

 <p><b>www.arrl.org</b></p>		<p align="center"><b>St. Paul Radio Club</b>  <b>Ground Wave</b></p> <p align="center"><i>Dan Meyer, NØKFB, Editor</i>  <i>Dale Maroushek, NØPEY, Publisher</i>  <a href="http://www.magicrepeater.net/sprc.htm">http://www.magicrepeater.net/sprc.htm</a></p>	<p align="center"><b>KØAGF</b></p> <p align="center">Club Repeaters:  145.310 MHz, 442.450 MHz  114.8 Hz 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 May 2023 – Volume 83, Issue 5

### NEXT MEETING: FRIDAY May 5, 2023

- 6:00 PM Board Meeting (all are welcome to attend and observe)
- 7:00 PM Refreshments and Socializing
- 7:30 PM Membership Meeting Followed by Program

### Entrance to CDH for our meeting

Meetings are held at Cretin-Derham Hall High School located at the intersection of Hamline and Randolph in St. Paul. Park in the lot off Hamline near the athletic field. Enter door 21 at the Ryan STEM Center addition. The meeting room is down the hallway on the right (the Commons). Door 21 will lock at 7:45 so if you arrive after that, please call 612-201-0818 to be let in. Br. Bob.

### Program

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

The May program is scheduled to be presented by Daniel Petsinger KDØTGF. He is going to be talking about Basic DMR (Digital Mobile Radio) operations and usage. Come to the talk to learn why DMR is so fun to use and to demythify the complicated appearance of using DMR. This talk will give you enough to get started in the world of DMR.

Dan has a long background in RF going back to 1995. He served in the US Air Force for 6 years working on Radio and Navigation equipment on board the E-4B (the DoomsDay Plane). With this experience he has worked all RF from VLF to EHF and most digital modes known even encryption modes. Dan owns and operate a wireless business that allows him to work everyday with microwave systems in both the unlicensed and licensed bands. He also started a DMR repeater network in Southern Minnesota called South Central Minnesota Repeater Network (SCMNRN TG 312734) with three repeaters up now, and plans to have seven up by the end of the year.

## The Prez Sez by Ralph Bierbaum NØAWN

Greetings and welcome to theoretical springtime. We didn't let that stop us, thanks once again, to Jay, NJØM, we had a delightful St. Paul Radio Club banquet at Jamesons. Also, thanks to Dale, NØPEY, we had an excellent presentation by Dr. Richard Weil, KW0U on his travel experience to China by winning the trip via SWL confirmation from China Radio International.

I haven't done any SWL'ing in a long time, so when the bands are dead or I'm simply looking for something different, I've got the wire antenna and the radio, time for something entirely different.

I took great pleasure in presenting Don Kelly, President, Past President, Board Member ARRL Affiliated Club Coordinator and all-around nice guy with the 2023, St. Paul Radio Club, Member of the Year

Award. The list of accomplishments are only the "official" ones, he also sponsors our monthly club Zoom meetings and provides guidance in numerous club activities. He truly is one of the club "bricks in the wall".



Board Member Ben Otto won the Traditional St. Paul Radio Club, "Canned Ham"

As you can see, I thoroughly enjoyed presenting it to him since I also drew his name!

*Photo by Dawn Holmberg WX0Z*

We are all looking forward to getting outside in the fresh air and doing Ham Stuff. I personally want to do rebuild and update one of my go boxes and do some portable operation, maybe ever taking part in a POTA event.

This winter my antenna system did not suffer at all (wonder of wonders). So this affords me the opportunity to update and improve

my station. I'd like to get going on digital and RTTY, so Dawn & Dan be prepared!!

I hope to see you all at the May meeting.

73 DE Ralph Bierbaum, NØAWN

## SPRC Banquet 2023 Recap by Jay NJØM

We had 24 members and spouses attend the 2023 Banquet at Jameson's Irish Bar on April 22<sup>nd</sup>. The steak and walleye were the predominant entree choices but the chicken was tasty as well. The service was a bit lacking compared to last year, probably due to the large wedding party also booked that night. We had cake though, so dinner ended on a sweet note amid the occasional discordant notes coming from the wedding band.

Our speaker, Dr. Richard Weil, KW0U, entertained us with his presentation about shortwave listening and how it led to a free trip to China sponsored by China Radio International. Richard is a well traveled individual and it was interesting to hear what things were like to make a basically state sponsored trip in a country like China. To continue the program, Ralph Bierbaum, N0AWN, presented the Member of the Year Award for 2022 to Don Kelly, WA6ZMT. Don has served in most all of the Club offices and is one of the people that really keeps things going for SPRC. We ended the night with a few door prizes. Ben Otto, KE0RFZ, took home what this year was a particularly ugly Canned Ham door prize. He was overjoyed.



Don Kelly WA6ZMT being awarded Member of the Year by president Ralph Bierbaum N0AWN.



The sweet cake served for desert.  
Both photos  
by Dawn Holmberg WX0Z

## Dale's Details by Dale Maroushek NØPEY

Greetings once again for the month of May. Flowers are supposed to be up, but the nice weather left and it's cold and wet again. Too wet or too dry, let's get back to just right!

Chronologically, the Banquet was on April 22nd, and we will had the new Member of the Year announced and presented. Don Kelly served his time as part of the Board and volunteer list, he is a great asset at Field Day and other events. Now he is stepping up with VOTA and the MN Convention planning with the ARRL. Congratulations Don! Ben Otto came away with the coveted "Canned Ham". We should have a canned ham reunion some year. We also had a triple double for door prizes. That means that Jeff and Jean, Dan and Dawn, and Rich and Lindsay all won them.

The meeting is on the 5<sup>th</sup>, VE Testing and the Superior Hamfest on the 6<sup>th</sup>, and the Progressive Ham Fest on the 13<sup>th</sup>. The "what" fest? Why not just stay home and plan your own yard sale. Gather your overstock, clear your junk boxes, sell the old dusty stuff right in your front yard! Why bother to do all that packing and unpacking and repacking and unpacking again? No seller or buyer charges, just send me your location info and I will send it to the database (300+) and they can find you, shop and move along to the next location, from 8 to noon. Ray and I have had good success with these the last two years, so join us and turn your overstock into cash. For more details see the website or May GW.

**BREAKING NEWS Participation in the Progressive Hamfest has just increased by 50%**

John Lockhart will be selling with us too. He is in Roseville, for most of us that is on your way to Hams in the Park. So head over to 1626 Ridgewood Lane, Roseville. Off the west frontage road along Snelling between "County Road B" and Roselawn.

The Sunday Education hours continue with Generals at 1400 and Extras at 1500 hours. Join us anytime, you can make up what you missed and test when you think you are ready.

Next up is the pre-planning for Field Day. It works best if all the square pegs stay out of the round holes for the big stuff, but we encourage new experimentation with the small stuff. I have heard talk of changes in the GOTA station and hopefully the return of the Saturday evening picnic. Helpers, both old and new, are needed. FD is just the greatest place to learn about radio. We are in one spot for 48 hours and doing just about everything one can do in this hobby and three others.

Evelyn, WB0VHF has again volunteered to pick up ARRL FD wearables at the convention and save you the shipping costs. She will have them for pickup at FD. Contact directly at [wb0vhf@arrrl.net](mailto:wb0vhf@arrrl.net), with your order.



July 8th brings in the Magic Repeater Yard Sale, always a fun time to get together to swap goodies and see friends. Cheap admission, clean restroom, VE testing, food and fun is all you need to know.

It was discovered that the 2 meter repeater had blown an antenna and this was replaced on Monday the 24<sup>th</sup>. The team, Terry, Steve, Leon, Ralph and Dale, managed not to get hurt. All went well and it is better than before.

### Back to Vietnam

The Tet Offensive, January of 1968, is now called the turning point of the Viet Nam war. The US learned the enemy had capabilities and could use them in coordination. It took a few months before things were considered back to normal, and by then everyone was thinking about Tet of 1969. What to expect and where? So, one January morning we are awakened by the sound of explosions and gunfire. All kinds of aircraft buzzing around and once we got to the radio repair shop, they had the frequency tuned in and a crowd was gathered to listen. That Net control Operator was really earning his pay that morning. He was managing sixteen entities and was doing a remarkable job.

The story was, at very early light, more shadows than forms, a tower guard near the main gate road thought he saw groups of people moving in the ditches toward the gate, but they disappeared. The MP's and others investigated, and soon more were observed looking for cover out in the fields. Choppers, jets and PUFF, armor and infantry were all quickly gathered, and things got noisy. After all was done, it was found that part of a Regiment of the VC 5<sup>th</sup> Division, was working its way into the city of Bien Hoa to hide and prepare for Tet 69. Secret trails and tunnels were found and destroyed and most of the unit surrendered. Aside from the occasional rocket attack at night, that was the closest I was to combat.

Fun at work. I recall a couple things we did to lighten the pressure at work. I mentioned the 6-ply carbon tractor feed paper that we used. When it was collected, the edges would be carefully striped off and the chain was saved. When a new guy joined the ditty boppers, they would have him carry the 5-gallon glass water cooler bottle from their floor down to the faucet for fresh water. Along his way, someone would clip that chain of paper and carbon to his belt loop and if timing worked out, someone else would light it on fire. Of course, that carbon paper was like gas with the paper, so it was a short show, but funny at the time.

We generated piles of classified wastepaper, and new guys usually got the disposal detail too. Collect all the waste and take it out back to the incinerator. Big front loader with good insulation, a 20-foot guyed chimney and a fan. Load it up, start the fire, let it grow and then hit the fan! That chimney would get red, and brighter and glowing, until fire was shooting out the top! If people asked, we told them the "RRC" stood for Rocket Research Company.

We had a fire and riot one night. Seems that the men had purchased and installed some privacy curtains made of bamboo, grass, or beads to make the cubes more private. Then a Fire Marshall strolled through and ordered them all taken down. The men were upset, but a designated pile was established in an open area and the stack grew. It grew a lot! One night after the movie, somehow it caught on fire. Nice dry tinder, you know what happened. Big Fire quickly! MP's in jeeps, sirens in the air, real red fire trucks drive in and 'woosh it was gone".

The company was ordered into formation at attention. The CO, an older Major, was basically shouted down by the men. Until another voice was heard, that of our CWO 4, a man that had respect from most of us. He is not even part of the Command chain; he is the Operations Chief. Since no one was hurt or valuable property destroyed, and no one could be identified as the arsonist, it was recorded as an accidental fire, and we were all told to go to work or bed and the Club was closed for a couple days. Local labor was hired to remove/salvage the pile and the Major was replaced with a much better one.

### Small World, isn't it?

So, I wrote the bulk of this Thursday night. On Friday night I got a call from another MN guy I had trained and served with. His name is Gene Lofquist and lives near Brainerd and is not a ham. While at Ft. Devens, we originally found that he and my last high school girlfriend had attended classes together at a private Lutheran school. We worked at the 175<sup>th</sup> RRC in VN for a few months before he took other positions at other units. From our talk, I think his life experience would be a much better story than mine. In, out and back in the service until retiring as a Sargent Major at age 60. Wife and SIX kids along the way. I'm sure we will have many more things to talk about.

The Army (ASA) is nothing but fair. About 9 months in, 3 months left, they let you pick where you would like to be transferred too. We had bases around the world then, and many picked Europe or Japan and back home or Hawaii. Just weeks before I had to make that choice, a couple guys transferred in from Okinawa. Refreshments were served, stories were told, and names were dropped. Everything they told us about life on the island sounded so much better than life in VN, EU, USA, SA or AF. My choices became clear: first Okinawa; second Taiwan; Third Japan (four station there). Certain people were also mentioned. One was a private name of John Shock. John didn't like the Army or ASA, he was the Klinger (remember MASH) of South East Asia. Drunk and disorderly was his norm, hungover and hurting was the other side. According to the new guys, he was known a "the Lush" and had lost his security clearance and was made a Company Clerk Aid.

Papers were signed and we waited for the orders to come down. How did the Army communicate with individual GI's back then? No email, or IM. or even Post it notes! The Bulletin Board of course. Just outside of the Orderly Room (home of the commanding staff personnel) was a structure that had glass doors on it, over the many sheets of paper with all the good poop the average GI needed to know for the day, week, or month. A daily check of the BB kept you up to date and out of trouble. Amongst the sheets was the orders page(s). When the new one is posted, the BB is crowded. So, I finally see it, I'm going to Okinawa in late August of 1969, leaving from Saigon airbase at night. I came in at night too!

Quick version: got ready to go; turned in all unit gear, sold or gave away excess crap, packed all needed stuff, said goodbye to too many friends and jumped on the truck for Saigon. Processed into the travel section and boarded a 727 about 2400 hour. Landed at Kadena Air Base and passed up the line for incoming personnel, (advice from the two guys back in VN) and found a cab to take me to Torri Station. The gate guard directed me to the second building, and I found the Orderly Room just about 0800 when it opened. The Company Clerk, a PFC dressed to the 9's in starched Kahki's and spit shined shoes greeted me, and started processing me in, much like going to a new doctor today.

Off to our south was a desk occupied by a rumpled fatigue wearing lump that made noises off and on. Finally, I asked what the story was about him. "That's private John Shock, my runner." John grunted, and I said: "Oh, John Shock, you're a Lush." It got very quiet. Finally, it comes to John that he and I don't know each other, so he asks who the hell I am. I told him I ran into a couple of his buddies back at the 175<sup>th</sup> in VN before I arrived and had been briefed on him. We were friends for the duration.

Welcome to Okinawa, Torri Station, JSPC (Joint Sobe Processing Station) USM-3, typhons , BC and Gate two streets, Moroni St., Mt. Nagi Ski Club, Christmas in July, Purple Passion, Koza or Kadena Circle, B-52s KC 135s and SR 71s. PX's, Commissaries , good bye SSgt Brown, SSgt Bushbaum, CWO Schneiburger, SSgt Pickney, fake ID's, Local workers strikes, Mess hall called Mom's, square miles of Rombicc antennas, the Flare 9 "elephant cage" the Navy had on the hill.

Closing the cover on this for now. I thought of a few more events, but too long to get into.

**One More Thing: Congratulations to new Fire Captain Kirk Maroushek of the Dayton, MN fire Department. N0QND, I know he gets the GW, let's see if he reads it.**

Dale Maroushek N0PEY

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## More photos from the SPRC Banquet



President Ralph Bierbaum introducing our guest speaker Dr. Richard Weil,

Dr. Weil choosing a door prize.



Both photos by Dawn Holmberg WX0Z



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

Only in Minnesota can it be 80+ above for 3\4 days and then 3 days latter we get a snow storm....Tell me again why I live here??!!

OK enough with the whining.

I did get my laser engraver\cutter and it works great, or at least it will once I get the settings right. You have to balance the speed of the cut with the intensity of the laser. It is a bit of a balancing act as you want the material to vaporize but not burn. To get this right, you wreck a lot of material as you keep adjusting and fine tuning the ratio of speed vs. power until you get the cut you want. Thankfully you can then store the settings and give it a usable name for future reuse. The unit came with software for doing this, but aftermarket software seems to be more robust and provides a number additional features not found in the original software that make this process easier. Alas, you have to pay for this. Oh well, not like I didn't see this coming.

The 3D printer has been some what idle of late. It's still getting used. (Mostly printing jigs and hold downs for the laser printer) But usage should pick up in another month or so when I will be printing out some of my designs for holding model aircraft for painting. I am being forced to do the bulk of my painting outside (more or less) . It seems the XYL does not appreciate the fragrant bouquet that is known as Nitrate\Butyrate Dope. I now have to build a small paint booth in a storage room under my garage. This will consist of a couple 1 x 2s with plastic sheeting stretched across them to contain the over spray. Such is the life of a geek\nerd.

Speaking of painting, on the R/C model plane front, I have a number of planes ready for paint! Three gliders (28" hand launch glider, 2 Meter Slope Soarer and a 113" wingspan thermal glider) and a couple powered planes. At this point, I think I am back onto stick and tissue models for a bit. I just cut out the parts (Yep using the laser) for a 34" wingspan Ryan STA which will probably end up with an electric motor and radio controls.

The Memory Keyer is still coming along. BUT! I have made a colossal rookie mistake! I never prototyped the design. I have no idea if the design even works or if there are mistakes\missing connections in the design. How dumb can I be.....Don't answer that! So before I push the button or in this case click on the convert to PC board icon, I need to build the design on a Protoboard and trouble shoot any issues . Crisis averted? We shall see. Unfortunately this will put me back a couple weeks\months (depending on life\ wife) as I now need to purchase all the components and build the circuit on my Protoboard. Ah the impatience of youth! Once built and tested, I can then move forward and convert the schematic into a PC Board and send it off to get it made.

Interestingly, the software has a "Test Nets" feature which goes through the design and tests that all available circuit network connections are made. (See the pics below.) I only had to go back to review the YouTube video one time to get this project to its current state.

While I'm no expert by any stretch of the imagination, I would be willing to do a program on this. I'll have you bring in your lap top with the software pre-loaded and we can walk through the process together. Kind of a hands on 1-2 hour training session. If you are interested, let me or the board know and if there is enough interest, I will see if I can make it happen next fall\winter .

Still working on my CW skills and I have made a few more contacts. Its bit tough trying to find a ham operator willing to slow down to my current speed and abilities. I guess I will just have to speed up my recognition and practice more. Speaking of making contacts, the other day on SSB I heard this guy coming in fairly loud and he said he was mobile. Shot my call sign back and on the third try he came back to me but said I was deep in the noise. I thought that was a bit odd as he was so clear. I checked my setting on the 101D and turns out I was sending at 5 watts. HI HI. I dialed it up to 50 watts and according to him that was a vast improvement. He was in California in his car working POTA! All I could think of was WOW made it to California on 5 watts!! Pretty cool!! I also made a few contacts out to Washington State and Oregon. The bands are truly picking up.

*Continued on next page*



A few of the satisfied SPRC banquet attendees after enjoying a fine meal.

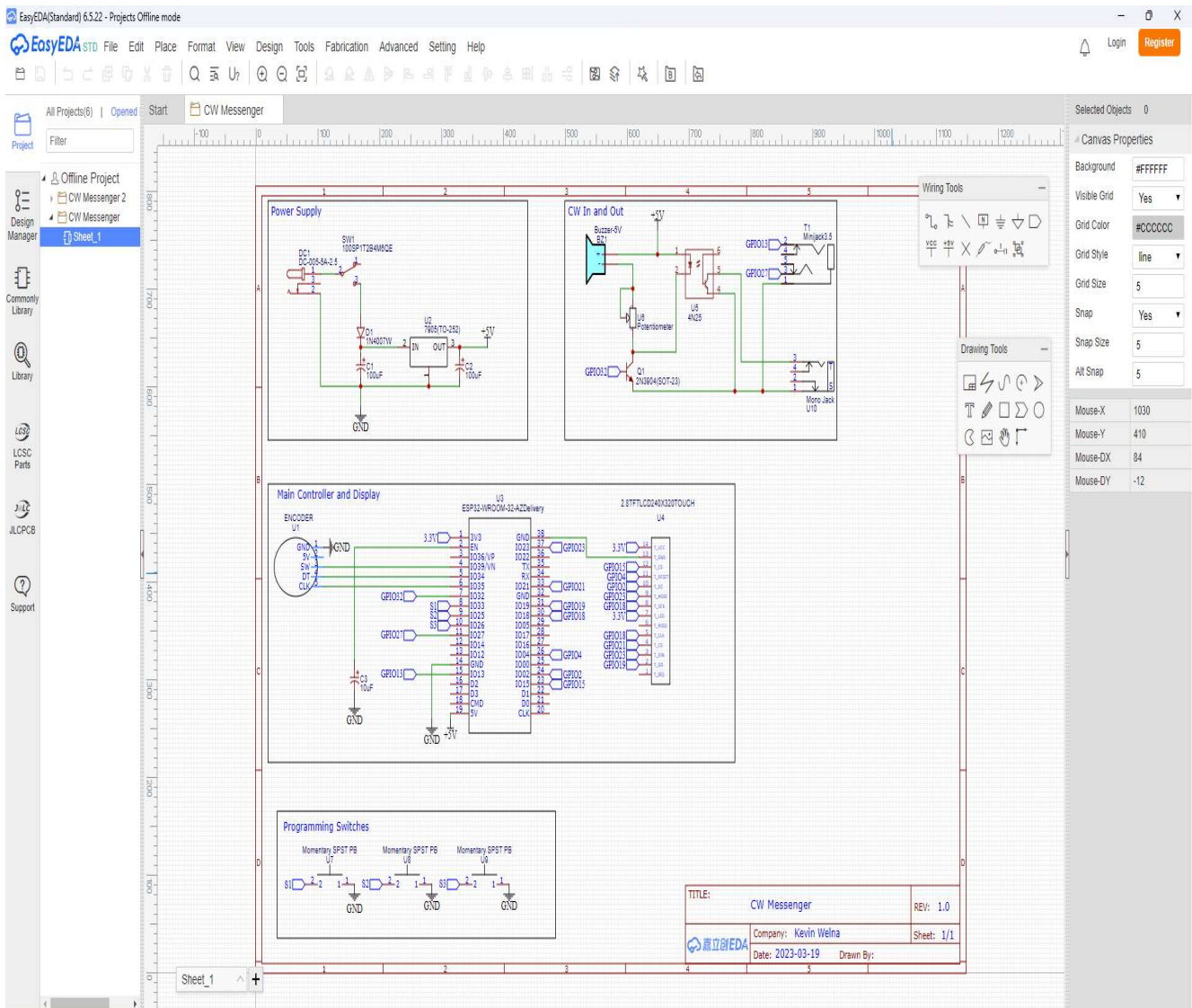


Both photos by Dawn Holmberg WX0Z

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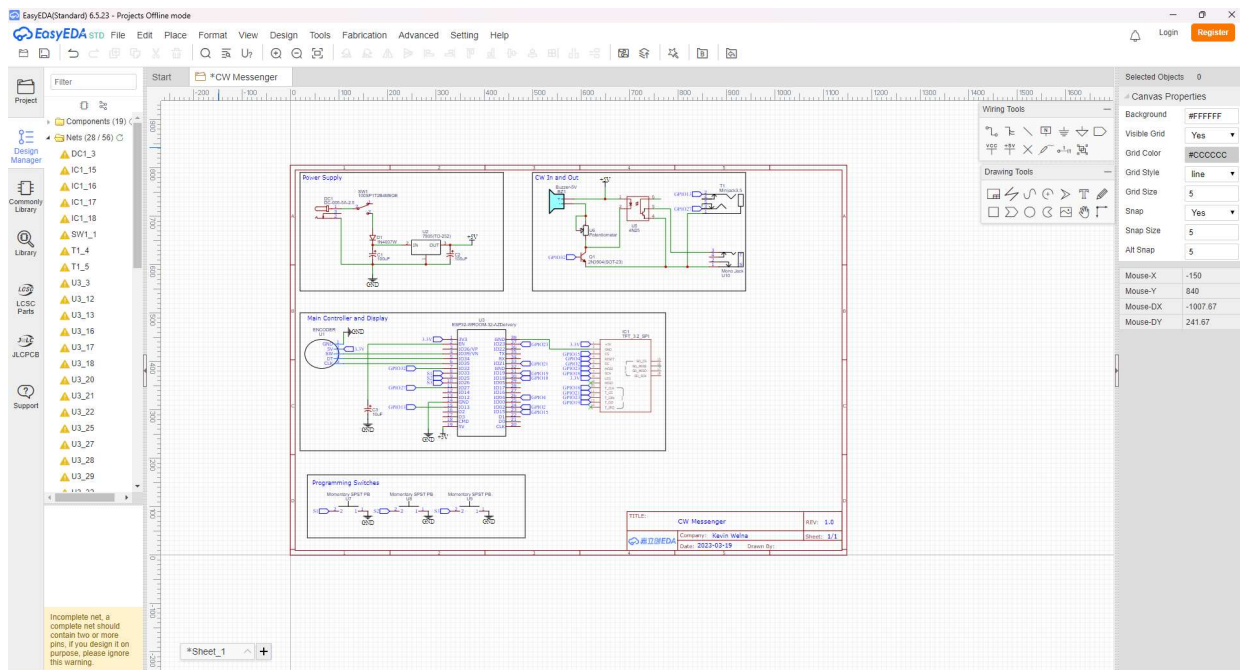
Below are some pictures of the next steps in building the Memory Keyer PC Board.

Here is where we left off. Circuit parts designed and ready for conversion to a PC board:



## Results of running the Test Nets function:

If you look on the left hand part of the screen, each triangle is a warning of a pin without a connection. If you click on the yellow triangle, it will highlight the offending pin. Actually, this is how I found a couple possible errors in the design and I will now have to proto-board the design to confirm the circuit works.....Should I be upset at this set back? Not really, this is all part of the building and learning process. Welcome to being a HAM!



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

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

Kevin Welna VP



## Charged? by Scott NØAR

I know this guy (well you know him too...) that almost started a lithium-ion battery fire in the house. My beard trimmer ran out of juice and I grabbed the charging cord, plugged it in and decided to return in half an hour to finish up. Only issues was the polarized cord I grabbed was the wrong one, it was for my shaver. It fit and everything look OK when I walked away. When I returned the trimmer was almost too hot to handle and the magic smoke was just about to get away! Had I left the house who knows what I'd of returned to.

Digging around I did find that improper charging is a pretty common event that results in unanticipated events. It seems that using an on hand charger isn't always a safe thing to do, you either overcharge your pack or undercharge it and never reach the full potential run time. So use the proper charger. If your buying a new battery spending the extra money for the recommenced charger should be a given.

After my near disaster I looked at all the various chargers and cords I have, decided that they needed a tag with the name of who they go with. Along with this I put the recommend charge time. I don't see cooking the battery for hours on end is going to do it any good.

Many of the battery packs we use for portable operation have BMS (Battery Management System) built into them. This is the circuit that protects the pack from errors on our part and provides a safe pack for our use. The BMS can be very simple or even have an onboard computer to keep track of the various parameters of the pack. It's important to note that for many of our smaller battery packs the BMS can be located outside the battery. It might be in the charger, the radio or even built into the charging cord. More reason that using the wrong charger or power cord isn't always a good idea. Follow the instructions in manual and be safe. 73's.



Dawn Holmberg choosing her door prize at the SPRC banquet.

Photo by Dan Meyer N0KFB

## 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

## Field Day Gear

Once again this year WB0VHF, Evelyn, is offering to pick up your order while she is at Hamvention, saving you the shipping costs. Go to the ARRL site, pick out what you want, including size and quantity, then email your order to Evelyn at [wb0vhf@arrl.net](mailto:wb0vhf@arrl.net). You pay her at FD or whenever it's arranged.

## WANTED

Wanted: 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 ASAP. For questions or interest, please contact Evelyn, WB0VHF. [wb0vhf@gmail.com](mailto:wb0vhf@gmail.com) or 952-923-3349

## Notes from the Editor by Dan Meyer NØKFB

In addition to my work as the editor of the Ground Wave, I have also taken on the task of making our hybrid in-person / Zoom meetings a better experience for everyone. If you are able to assist me with the setup, operation and tear down of the A/V equipment I would really appreciate it. I show up at the meeting around 5:15 to set everything up in time for the BoD meeting. Tear down goes more quickly and is usually over in 10 to 15 minutes Thank you for your consideration!

## 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 three hours per month plus the exam sessions themselves, which are typically another two 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@arrrl.net](mailto:w0coe@arrrl.net).

***Leon, WØCOE***

## Board Meeting Minutes – by Art Thell, NØIWQ

**Saint Paul Radio Club**  
**Hereinafter referred to as “SPRC”**  
**Board Meeting Minutes**  
**3-31-2023**

Board members present: (If \* or R)

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

Also present (if \* or R):

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

Members on Zoom: R

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**6:05 \_\_V. Pres Kevin** called the meeting to order.

President: Call for added agenda items: \_Website issues reappeared.

### Old Business:

Secretary’s Report: Moved to accept as published in GW.

Moved to approve: Art                      Second: Kevin                      Approved

Secretary reported on a contact he had with a ham club in Natick, MA, W1STR as an example of an active club that successfully generates followers among young amateurs. He presented a copy of the QSL exchange to Br. Bob (WCØJ) for use in the WØCDH shack.

Treasurer’s report: George

General Fund: \$7239.84\_, Repeater Fund: \_\$1204.25\_, Education Fund: \_\$1200.38\_,

Total Cash on Hand: \_\$9644.47\_. Motion to approve

Moved Art                      Second Br. Bob                      Approved



Final Auction Report: After all cleared items:

Income, cash	\$1952.20	
Income, checks	\$1390.60	
Gross Income		\$3342.80
Expenses	<u>\$1488.11</u>	<u>\$1488.11</u>
Net income		\$1854.69

Move to accept: Art    Second: Ben    Approved

Website report: Dale    Old website (2009) has resurfaced. Needs to be purged.  
Don will check on ongoing updating and maintenance.

Repeater Report: Dale: VHF is ok    UHF works (little or no usage)

Membership Report: Dale, 134

Added a family at Midwinter Madness. Estimated that attendance was down about 40% from previous events.  
Also reported that there were 12 club tables active which is about 2 down from previously.

Educational training & outreach: Pete

Ham-Cram Technical Class: Successful. Could use more recruits as Elmers outnumber candidates. Need to set up an Education Group. Suggested a chapter-by-chapter class in the fall.  
Presently 5 or so students in the upgrade class.

#### **Other old business:**

Field Day: June 23-25. (Pete)

Location (Pete): checking on Benson's Airport. Also on tents and tables that may be available.

Need Chairs: SB, CW, and Digital (Urgent)    --and operators

Publicity & beverages: Br. Bob

Safety: Ralph & tent

Food cost issue w/ 3-M Club. Suggestion was made to negotiate a ratio more reflective of the actual attendance to replace the past 50/50 split. (Dale)

Need a chair to track attendance.

Final walk-thru: 6/17

Final meeting: 6/20 at Davanni's in Woodbury.

**Club Breakfast:** (Third Saturday) April 15. and May 20 at 9:00 AM  
At Denny's on University Ave. Across from the AxMan

Adjourn:

Move: George          Second: Ben          Approved

**6:55: Adjourn.**

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

**Saint Paul Radio Club**

**Hereinafter referred to as “SPRC”**

**Member Meeting Minutes**

**03-31-2023 7:30 pm**

**7:30 Call to order** by \_V. Pres, Kevin\_

\_16\_ Members present plus 15 Remote.

Treasurer's Report—George:

General Fund: \$7239.84\_, Repeater Fund: \_\$1204.25\_, Education Fund: \_\$1200.38\_,

Total Cash on Hand: \_\$9644.47\_.

Final Auction Report: After all cleared items:

Income, cash	\$1952.20	
Income, checks	\$1390.60	
Gross Income		\$3342.80
Expenses	<u>\$1488.11</u>	<u>\$1488.11</u>
Net income		\$1854.69

Membership report, Dale: 134

Repeater Report, Dale: They work

Recurring website issues are being addressed.

Training Report, Pete: Need candidates for upgrades. We have more Elmers than students.

Hamvention in Dayton: WBØVHF is looking for people to make up a group grip to that event. Contact info on QRZ.com

Field Day: June 23-25.

Location: Benson's Airport—Pete checking to confirm location.

Help Needed: Chairs & assistants. Operators.

Setup, Food, attendance, CW, SSB, Digital,

More info in the GW Board Minutes.

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

Activators need hunters. Lots of activity.

**Club Breakfast:** Third Saturday, April 15-and May 20- at 9:00 AM.

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

**Adjourn: 7:45**

**Program: (Don WA6ZMT)**

ARRL Volunteers on the Air event October 14.

Details are in the March Ground Wave.

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

**Snaturday May 20th, 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)**

## Officer Contact Information

President	Bierbaum, Ralph, NØAWN	<a href="mailto:rwbierbaum@comcast.net">rwbierbaum@comcast.net</a>	612-201-9510
Vice President	Welna, Kevin W5LNA	<a href="mailto:kwelna@gmail.com">kwelna@gmail.com</a>	651-354-5515
Past President	Michaels, Lou WD8NOV	<a href="mailto:louthephoto-guy@gmail.com">louthephoto-guy@gmail.com</a>	612-638-8159
Treasurer	Power, George KØGCP	<a href="mailto:georgecpower@gmail.com">georgecpower@gmail.com</a>	651-233-3215
Secretary	Thell, Art NØIWQ	<a href="mailto:thellaj@comcast.net">thellaj@comcast.net</a>	651-492-0254
Member At-Large	Otto, Ben KEØRFZ	<a href="mailto:ke0rfz@gmail.com">ke0rfz@gmail.com</a>	651-352-9590
Member At-Large	Walsh, Bob WCØJ	<a href="mailto:brw.fsc@gmail.com">brw.fsc@gmail.com</a>	612-201-0818

## SPRC Calendar

Fri May 5 6PM SPRC Board meeting, Commons Meeting Room,  
John R. Albers Center, Cretin-Derham Hall High School. \*

Fri May 5 7PM Socializing followed by 7:30 PM SPRC Membership meeting.  
Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.

Sat May 6 9:30 AM 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 May 13 8AM – Noon. NØPEY / WBØEBG Progressive Ham Fest  
at 2430 and 2602 Hazelwood St, Maplewood MN.

Sat May 20 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

Sat Jun 3 9AM- 5PM. Northern Lights Radio Society Aurora '23 Conference.  
West Medicine Lake Community Club. 1705 Forestview Ln N, Plymouth, MN

Sat Jun 17 7AM-Noon TCFM Club Spring Tailgate Swap Meet.  
West Medicine Lake Community Club. 1705 Forestview Ln N, Plymouth, MN

Sat Jun 17 9AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.

Jun 24-25 Field Day Weekend. SPRC at Benson Airport, details to come

*\* 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)

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/u/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-3xmClbjad8r0nMOjl1QBKvl84TMYpnJO7E>