

 <p>www.arrl.org</p>	 <p style="text-align: center;">St. Paul Radio Club Ground Wave</p> <p style="text-align: center;"><i>Dan Meyer, NØKFB, Editor</i> <i>Dale Maroushek, NØPEY, Publisher</i> http://www.stpaulradioclub.org/</p>	<p style="text-align: center;">KØAGF</p> <p style="text-align: center;">Club Repeaters: 145.310 MHz, 442.450 MHz Both use a 114.8 Hz tone</p> <p style="text-align: center;">PO Box 9375 North St. Paul, MN 55109</p>
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Devoted to the future of Amateur Radio as a hobby and public necessity.

SPRC Nets: Wednesday 7:30 PM 28.310 MHz USB; 8:30 PM 145.310 MHz FM 114.8 tone

NEWS AND NOTES FOR MARCH 2024	Volume 84, Issue 03
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NEXT MEETING: FRIDAY MARCH 1st, 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

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 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 speaker at our March meeting will be Bob Parnell, NØKLC, and the topic will be "What happens when you send an email". Bob is an extra-class ham, licensed since 1985. He had an extensive career in information technology with the State of Minnesota and AT&T. During his career with the State of Minnesota he had full technical responsibility for both governors Tim Pawlenty and Jesse Ventura. Bob will discuss early PC's, bits and bytes, and processors which will serve as fundamentals for networking, fiber optics and more. If time permits, he may also discuss DSL and cable internet and how the service gets to our homes. Please join us Friday March 1st for a very interesting program!

Dale's Details

by Dale Maroushek NØPEY

Final Auction results will be announced at the meeting, or elsewhere in this GW. All in all we did very well with all the donations from estates and other sellers. Only one cart of leftovers that you will see again next year, just a bit dustier. Time now to say Thank You to all the helpers and especially the new guys that are learning the business. Hope to work with you all again next year.

Not a very busy month for radio. The MN QSO party kept us occupied on the 3rd, Hams on the Ice reverted to in the park because of the warm weather. Valentine's Day zipped by with some candy and a kiss. I think we had eleven at the breakfast with lots of topics and some planning for next month's activities. A small but fun night with the MARC gang at the Gauthaus for our Banquet. And now we prepare for the Presidents Day holiday. I see it is leap year again so we have that extra February 29th day at the end of the month. Plan to do something special with someone. Feels like it might be a good day for Chinese food.

John has been using his talent to gather things for our new club table top display. We might have part of it at the meeting for you to see. I'm sure once we get it started it will grow as we go and become a good recruiting tool.

A more serious side of life at Torrii Station on Okinawa was the fact that we had almost everything we have right here at home. The Naval hospital was top flight and I did visit a couple guys that spent some time in it for sickness or accident. We had a large dental care unit on base and I had a couple of major jobs done on the old molars. Both Kadena Air Base and Fort Buckner had Commissaries that are a military supermarket. A mixture of regular goods with things like canned hamburgers, peaches and K or C ration kits in green cans just for fun. I could buy fresh meat cut American style, not chopped all to hell like the locals used it. Try cooking chicken in a soy sauce steamer some time, see if you like it.

Sports are always big in the military, from the school level on up. Little League on up to intra-post teams. Gymnasiums, running tracks, soccer fields and tennis courts were driven by daily. Even had a roller rink! Golf courses galore because Oki had many regular civilians and retirees living on it too. The Legion and VFW were large and busy. I think it was at the VFW that they had built a diorama of the WW II attack and overtaking of the Island with blinking lights and taped audio coverage of movements and the final suicidal ending. Also visited the many memorial shrines at the south end of the Island for the hundreds of thousands of civilian casualties.

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All manner of activity clubs were available to join and learn things from. We had a MARS ham radio station on base and I'm sure others were around the Island. I just wasn't into radio then. The shooting sports had a nice club as did the Radio Control club. Being an Island, we had to have a diving club. At the orientation training day, it was greatly instilled upon us that somewhere at the bottom of any shallow beach, a Rock fish was waiting for you. A very well camouflaged Bullhead type fish with a spine just sticking up waiting for you to step on it barefoot and suffer greatly or even die right there. If you have Googled Torrii station and looked closely, a beach is clearly visible on the north west end of the base. When I was there, the sign was there, but no beach was seen. We had a swimming pools and bowling alleys, smaller PX gift shops, laundry and tailoring shops, theaters all over the island, and a very large and extensive bar and lounge entertainment system. All of these opportunities courtesy of our Uncle Sam's blessing and priced about a low as you could find. Almost sounds like fun, doesn't it?

Well, it was, and it wasn't. All of these "off hours" activities were used when and if you wanted them. But the "working hours" and "company/Army games" were very controlling. You were always a soldier and held to the standards or more than a normal employee. Our problem was with the Leadership that came with the package. The Army Security Agency was a small group of people before the war (police action in south East Asia) in Vietnam. It had its required number of NCO's or Officers and the ranks they needed to be there. When the influx of men came in, the number of NCO's and officers needed to increase too, but none on the books had the security clearances needed. So the military in its wisdom figured one NCO or Officer is just like another, each group of ASA graduates inherited some NCO from any other branch and was put under his command. He had no idea that his authority and intelligence would be challenged and he would win the battle by rank but loose the control by intelligence. About 1970, it finally feather out where enough ASA types had reenlisted and become the core of NCO's to lead the Agency to the 1976 dismantling into INSCOM.

To keep this on a positive level, there once was Sargent named Mustard, who did all that was needed to be named a Warrant Officer, Kind of a more educated NCO. When those two guys came to VN from Oki and told me about him, I dreaded working for him. So I get to Oki just as he is leaving to VN. So he spends his year in VN and comes back as my work Officer in Charge. He is the perfect example of my point. I had a HOT discovery that needed to be confirmed six ways from Tuesday and then written up and sent out. It was late afternoon, and I figured it would wait till tomorrow, he didn't. He ORDERED in a nice way, that I sit down and go to work, finding what I need, verified it all and wrote it up. Gave him a call and he came back from home, made one change, that I rewrote and WE sent it to off to the boss, DIRNSA. About four months later, when I was back at NSA, I picked up that message and followed it to the plate of President Nixon himself. He did nothing with it, but it was there. Some sort of problem with China if I recall.

Dale Maroushek, NØPEY

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

I'm starting this article early in February and I will add to it as the month progresses so I don't leave anything out.

First off, living my whole life in MN and living through\surviving winters in either northwestern MN or in the Twin Cities, I'm beginning to think this global warming thing ain't so bad....HI HI

Its getting to be a busy month with designing and printing enclosures, designing circuit boards and getting them made, building kits and other electronics projects. In addition, I have been designing and building a multi-use RC glider and laser cutting stuff for my XYL as well as friends at my RC plane club. On top of which I am pretty sure I will be starting a hobby net...So much for retirement??!!

OK lets start with Ham Radio:

The QMX debacle.....I was able to contact Hans Summers (GØUPL); Hans is the owner of QRP Labs. He is fantastic and unbelievably helpful. QRP Labs is a fantastic company to deal with. Fast responses to emailed questions and very accommodating. If you are thinking buying a kit to build, QRP Labs is my first recommendation. Anyway, they are sending me out a new main board with most of the components so I can start over on the QMX radio. The parts should be here before the end of February. They are coming for Turkey so it does take a week or so for them to get here.

In the mean time, I have completed, and have a working QCX+ 20 meter radio from the same company. It went together well. I made a few mistakes and had to un-solder and re-solder 4 parts, Had I read the instructions, this would not have happened....Still, no big deal. The only other issue I had was initially the radio was stone deaf. I could hear white noise but no sending stations.... Again an email to Hans and within 24 hours I received an answer and it is now working perfectly. It turns out if you use the TCXO (Temperature Compensated Crystal Oscillator) module for the reference oscillator, one of the parameters must be changed as it runs at a different frequency than the original crystal. HUH, this is only listed twice in the building manual. Both times in **Bold Red Lettering**, plus it is highlighted. *Let me say that again*, it is listed twice in the manual, both times in **Bold Red Lettering** and highlighted! How stupid can one person be??!! Hey Kevin, RTFM!! LOL.

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I do believe anyone could build this kit and could do so in a couple days working at it a couple hours a day and it really works great. I have made 4 contacts so far with this radio. The output is very clean and clear. It's receive audio is great and the sensitivity is very good. With a little adjustment (Thank again Hans for your YouTube video.) I am getting a little over 6.5 watts at 12 volts and well over 7 watts at 13.2. I was able to use my O-Scope to really tweak the output power and get everything adjusted. But an O-Scope it is not necessary for tuning this radio. (I just wanted to play with my new O-Scope). The radio has built in tuning software! The only tools you will need to build and adjust this radio are a soldering iron, a multi meter, a fairly small screwdriver and a small wire cutter\lead nippers.

I enjoyed building and playing with the QCX+ so much, I am now building an older version QCX for 40 meters that I bought about 5 years ago. The form factor is a bit different so again I will need to design and print an enclosure to fit it. Oh Yea! Time to geek out even more and play with the 3D printer!!

The 10 watt power meter\mini dummy load is done, calibrated and working great as well. This would be a great first project for someone interested in building a tool for their shack. It can be easily modified by changing the voltage divider circuit to handle up to 100 watts. It operates on a 9v battery and seems to be fairly accurate once calibrated.

Earlier I mentioned the 3D printers, well they have been quite busy on either Ham Radio or RC plane projects. One quick project was printing a small very light weight CW key for doing field (POTA) CW work. The design and files were given to me by a friend\fellow ham (KC3PBY). It's simple and seems to work well. I modified the design to accept Neodymium magnets on its base so it will now stick to and stay put on a metal surface. Other than that I had to make no other modifications.

Speaking of 3D printers, I had to perform brain surgery on the older printer! Somehow I fried the main board and had to replace it. The down side is\was it was out of commission for a couple days until the new board arrive. (Thanks Amazon.) The upside was it was only about a \$30 fix! These Ender printers are great as they are not expensive (About \$150 but if you ask the sales guy about the unpublished deal , you can get it for \$125 I think...) they are a great starting printer, easy to assemble, trouble shoot' repair, parts are readily available and pretty cheap and there are TONS of aftermarket upgrades that are very affordable as well. It's like the small block Chevy of the 3D printing world.
HIHI

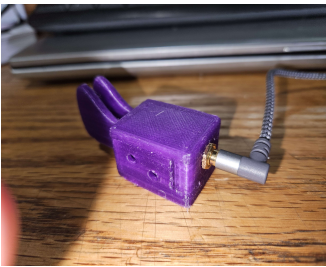
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The glider is coming along nicely as are the other planes I am building, they should all be ready by spring and the warmer weather. I am slowly making headway on the multi use glider's final design. May iterations and modifications have been made and alas I think there are a number more that will need to be made. It's all part of the fun so I really do not mind the "setback" of design changes. Now I am thinking a 30% to 50% increase in the wingspan may be needed.

I'm still shooting every other Thursday at an indoor pistol range in the southern metro area. I actually took 2nd place in my division this last week. That's not saying much as there were only 6 shooters in my division, but still, Ill take it!!

I am getting closer to starting the Hobby ADHD net. Still need permission for the repeater owners and do a bit more thinking as to how I want to run it, but, it is falling into place nicely. Looks like it will be held at 8pm on Tuesday nights. My reasoning behind this net is that I have noticed that most Ham operators seem to have multiple interested and some are way different that Radios and electronics. Lets talk about what else trips your trigger and gets you excited whether it is Trains, Photography, Butterflies, Stamps, Coins or what ever. So long as its legal lets share it with other. I am hoping that you find it interesting and motivating. Maybe you can even pick up a new hobby. Give into the Hobby ADHD!! More to come on this as info\permissions becomes available. I hope you all will attend and bring your hobbies and interests once I get it going.

Here are a few Pics for your entertainment:
3D printed CW Key

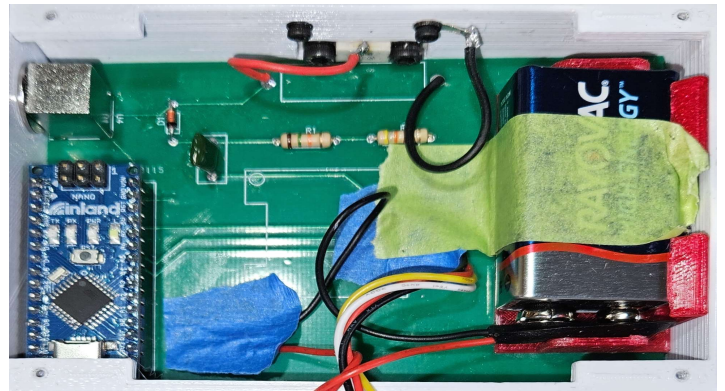
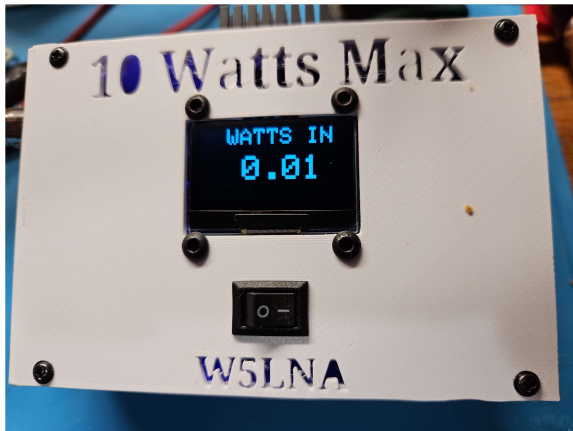


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Completed QCX+ in the enclosure I printed:



Home Brew Dummy Load and Power meter:



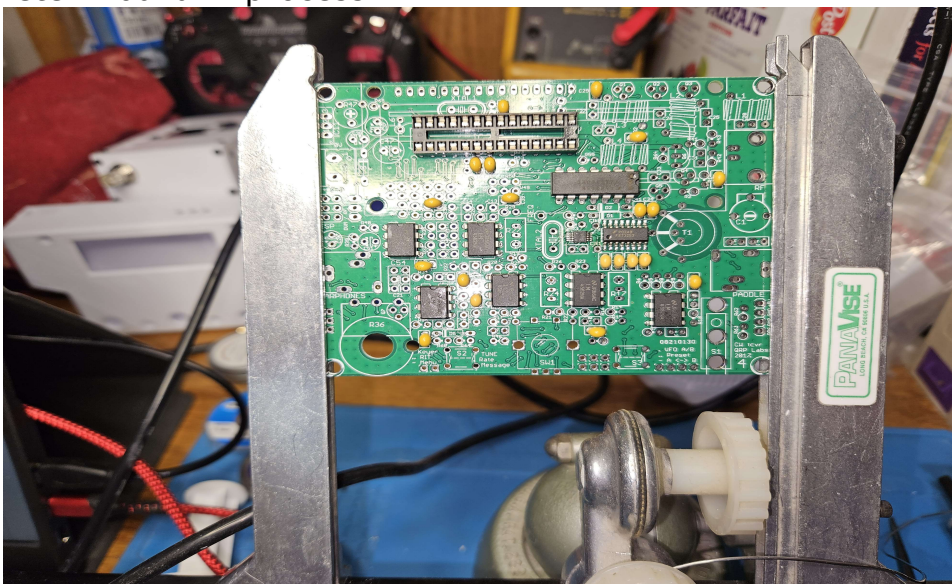
It is a pretty simple build, here is what's inside: There are only 7 electronic components plus battery, battery holder, BNC connector and switch. Time to build about 30 minutes.

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Convertible Glider: Here you can see the wing, tail surfaces and the pod, boom and pylon. Sorry the bench is such a mess, but I am working on three airplanes at the same time. As I get stuck on one, I switch to another and think about how to get unstuck on the first one while working on the second\third one.

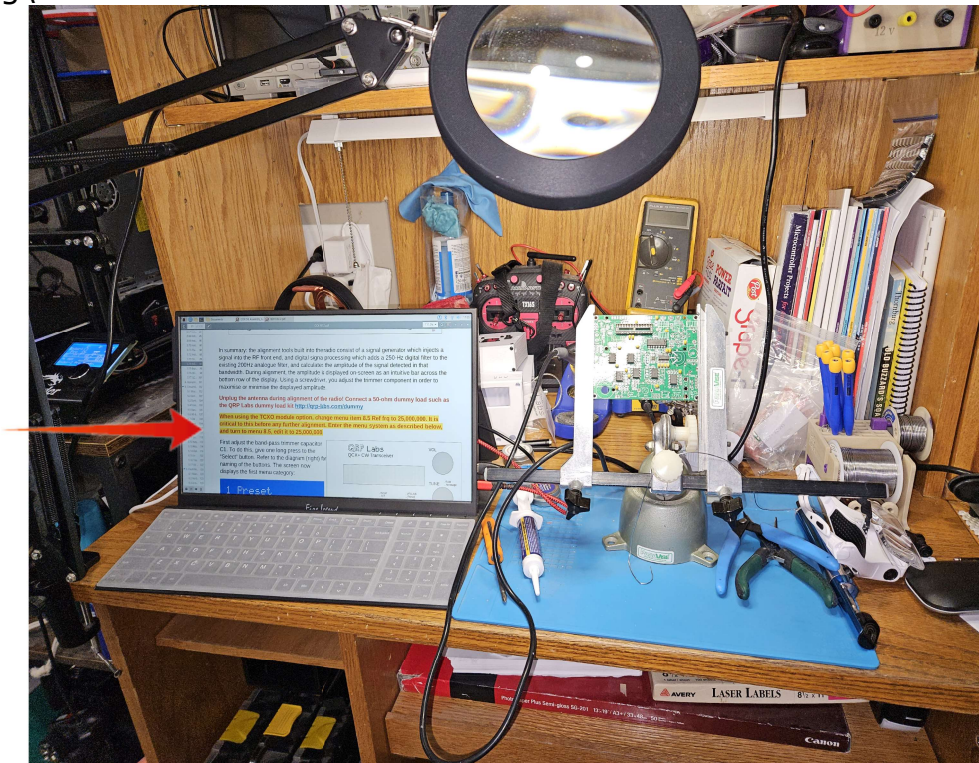


QCX 40 Meter - build in process:



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Another pix of the soldering bench. Please notice the computer screen. I pulled up the warning\notice on the TXCO! How did I miss this???



That's about it for now.

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

73 Kevin Welna W5LNA

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 for you it allows you to practice your amateur radio skills, have a lot of fun and you will meet many like-minded people. A list of some of the public service events in the area this year are listed below.

Type of Event and Dates

Long distance trail running

2024-04-12/13 Zumbro Endurance Run (2 day) <https://www.zumbroendurancerun.com/>

2024-07-06 Afton Trail Run (Rocksteady Running) <https://www.aftontrailrun.com/>

Races (half and full marathons) and Walks

2024-04-27 TCM (Get in Gear) half marathon <https://www.tcmevents.org>

2024-05-18 Waconia Walk-on-Waconia <https://www.runreg.com/12014>

2024-07-27 Richfield Urban Wildland marathon

2024-10-06 TCM - Marathon (Mpls) <https://www.tcmevents.org>

2024-10-?? Belle Plaine half marathon (Don Burgess)

MS Society events (for detail, contact Chris Schultz, KCØYFX, Phone: (320) 217-2692)

2024-05-05 MS Twin Cities Walk (Mpls)

2024-05-11 MS Twin Cities Ride (Mpls)

2024-06-8/9 MS-150 (Willow River, Hugo) (2 days)

2024-07-22/26 MS-RAM (5 days)

Bike rides (one-day)

2024-06-01 Tour de Cure (ADA) ride (Mpls) <https://tour-diabetes.donordrive.com/>

2024-06-01 FreeBike (aka MN Ironman bike ride) (Shakopee)
<https://ironmanbikeride.org/>

2024-07-21 Tour of Saints ride (St. Joseph)
<https://www.bikemn.org/all-events/tour-of-saints/>

2024-08-03 Tour de Tonka (Orono)
<https://www.minnetonkaschools.org/district/mcec/events/tour-de-tonka/>

2024-09-?? River Falls Autumn Trek
<https://www.rivervalleytrails.org/autumn-trek/>

Washington County nuclear drill

(contact Washington Cty ARES,

<https://www.mnwashcoares.net/events>)

2024-05-14 Prairie Island Nuclear drill training

2024-06-25 Prairie Island Nuclear drill (Fed graded)

Road Rally (American Racing Association)

2024-08-23/24 Ojibwe Forests Rally (Park Rapids) (2 days)
<https://www.facebook.com/OjibweForestsRally/>

2024-12-07 Nemadji Forest Rally (Kerrick)
<https://www.facebook.com/nemadjirally/>

Vintage Computer Festival SoCal

Don Kelly, WA6ZMT

Finding myself and a Vintage Computer Festival (VCF) in Southern California at the same time, how could I resist? It was a two-day event, but I chose to just go on Saturday. The 48 exhibits would be the same both days and none of the fifteen seminars really caught my interest. You can find a description of everything that was going on at www.vcfsocal.com.

My computer history started with the CDC 3300 mainframe computer in 1968, then the DG Nova3 (IRIS OS) and IBM PC (DOS 1.1) and SCO Unix in the 90s before everything swung toward Windows. All business. The VCF leaned toward early gaming computers. Before the PC, I had fiddled with 8080 computers (CP/M) and helped one client with his TRS-80 (BASIC) but hadn't spent much time with the myriad of "off-brand" computers I saw at VCF.

The IBM PC was not very well represented—it was outnumbered by Altair, Amiga, Apple, Atari, Commodore, DEC, Intellivision, Mattel, NABU, Tandy/Radio Shack, TI, Timex and more. A few British computers - Apricot, RiscPC, and Q68 made it across the pond.

Most of the exhibits were the same as you might see at a ham radio swap meet: Old stuff, carefully restored stuff, as-is stuff, and a little new-in-box old stock. Some for sale and some just for show-and-tell. A couple others were enhancements for the old stuff, like WiFi for your vintage computer so you could add it to your network just like any other. Another category was brand-new emulations of vintage computers, including a downsized PDP-11 front panel that looked like the real thing from a distance.

One exhibitor had used a Lattice ICE40 FPGA to emulate the 8080 microprocessor and written code to emulate an Atari 8800 to run Atari games using an LCD monitor and USB keyboard.

I was particularly interested in an 8-bit computer that was built from scratch using 7400-series CMOS logic--no CPU on a chip. It was breadboarded using wire wrap—a technique I used in the late 60s and was unaware that anyone was using in 2024. I was intrigued by that, so sat in on his excellent 40-minute presentation on how his ten-year project progressed.

The attendees were a bit of a surprise—most may have encountered these computers as adults, as I did, some grew up with them as teenagers, but many attendees were under 40 and acquired an interest in the vintage computers more recently.

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There was an opportunity for people to suggest “Meet-Up Topics” and they were included in the Festival schedule so people could gather at a specific time in the Foyer to chat. I showed up at the appointed time for Ham Radio Operators with about eight others but it wasn’t a very exciting time—and no one indicated a relationship between ham radio and vintage computers.

Even for someone like me without a solid background in gaming and these other vintage machines, it was well worth four hours and \$25.00.

A Book for the Newbie (and we’re all newbies) **By Don Kelley WA6ZMT**

I recently ran across an interesting title (I don’t remember where): *Amateur Radio for the Antisocial: It’s not all about the ragchew*. The author, Allan Hall, discusses about thirty various ham-radio related activities from building a crystal set to moon-bounce communications. You can get through its 95 pages in a couple hours—or spend months if you follow the copious links. I’m reading it on a Kindle Fire—I expect the links are less useful in the paperback. Actually, you only need to get through 78 pages to start—the rest are a glossary, Q-Code list, phonetics, and a couple pages describing his other books.

<https://dk-tiny.com/AllanHall-ad>

73, Don Kelly, WA6ZMT

Notes from the Editor **by Dan Meyer NØKFB**

I need your help. I am **not be able to attend** the April meeting in-person, and need two or three people to set up and operate the A/V system up in my absence. I can provide all of the hardware required, and I have documented how to set up and operate everything. Please meet me before the March meeting at around 5:15 and I will provide on-the-job training for you.

Also, a big **Thank You** for all who have assisted me with setup and teardown of the A/V system at club meetings. It is appreciated and makes completing the task quicker and easier than if I do it all myself.

Finally, a HUGE thank you to everyone who has contributed articles to the Ground Wave since I have become editor. It makes the job a lot easier than trying to come up with materiel myself!

Ham Radio Test Session News

by VE Coordinator Ron Lundeen KØKWN

We are averaging about five examinees each month with a high percentage of passes. However, new and upgraded hams are frustrated with the long wait to see their name and call letters displayed on the FCC database. Currently, it takes about three weeks after the exam until the FCC posts these new calls. I've personally contacted the ARRL VEC office on two occasions about this matter. We have excellent staff working with us at the headquarters! They have assured me that the slowdown is with Washington and they hope to see improvement soon. Reportedly, the FCC staff is shorthanded. At the examination sessions I remind those present that they should expect to wait up to three weeks until their name and call appears on the FCC database; I know this is frustrating because everyone is anxious to get on the air or to use their new privileges. I have cautioned the new candidates to be patient and not jump the gun with their new privileges until their name and Call letters are officially listed on the FCC database

If you can help with ham radio exams, or would like to take an exam, please contact Volunteer Exam coordinator Ronald Lundeen at ronald@lundeen.net or 320-321-2744

2 Updates

by Pete Guldan KDØSQJ

Field Day Update: Field Day is June 22-23rd. I did get confirmation that we will be able to use Benson Airport once again. At publishing time we are the only group on ARRL's locator map in Minnesota. Those of you active with other FD groups at public locations you might want to get your pin on the map so people can find you. The initial plans have begun and you should start to hear more at the March club meeting.

Training Update: At one point we had 9 students signed up for the Extra Study Group. That number is a little lower which we expected but those who are still with us have a really good shot at getting your upgrade before the question pool changes in July. We're recording the question and answer portion of our Sunday Zoom sessions. If you want to join the group for your own upgrade or a review use the same login that you use for the club meetings at the end of the Groundwave. You can also shoot me an email at kd0sqj@arrl.net and I will send you the study tips we have already send so you can get caught up.

73 Pete

SPRC Banquet 2024.

We will be returning to Jameson's Irish Bar (886 Smith Ave S, West St Paul, MN) for the 2024 Banquet. We were competing with a large wedding party last year so the service wasn't quite as good as in 2022 but the food was still great. They have a private room which works for groups under 40 people. No buffet, but they do a plated service with a choice of chicken, steak, or walleye (you must choose when you confirm your attendance). I will bring a sheet cake for dessert. Coffee or water is available with the meal and the bar is close by if you want purchase an alternative drink. The room should be ready for us at 6:00 and we'll plan on having the food brought out at 6:30. If you show up a bit early please hang out near the bar. Our speaker will be Pat Gearty, WØYES, who will tell us about his travels with his wife Dianne and how they activated more than six hundred parks in their RV. To finish the night we'll award the Member of the Year and draw for a few door prizes.

Pat Gearty – WØYES – RADIO JOURNEY IN THE PARKS

My wife Dianne & I enjoy travel, natural resources and camping in our RV. In 2016 I installed a ham station in the RV to participate in PARKS programs. Since then, I've activated more than six hundred parks and logged forty thousand QSOs from the RV while traveling. This presentation will show what, where and how we've enjoyed amateur radio in the PARKS.

I am a **BORN-AGAIN HAM** and a **RADIOMAN** from early in life. I was first licensed in 1964 as a Novice, followed with my General. I was active for 10 years when I fell **Off-The-Air** and let my license lapse. My Radio-Active career with Motorola, American Paging and Sprint fulfilled my RF fix for nearly 50 years. With my career behind me, I missed RF. In 2015 I retook the exams with the **St. Paul Radio Club's Volunteer Examiner** program, received my Extra class license and reentered amateur radio. I am now a ARRL accredited Volunteer Examiner with the Maple Grove Radio Club.

My Plymouth, Minnesota home station is modest with wires in the trees. I enjoy operating fixed mobile in my RV and portable in parks with a variety of antennas. My primary activity is on the HF bands with SSB and CW modes. I collect and restore vintage radios and I'm on the board of the Pavék Museum in St. Louis Park.

What : SPRC 2024 Banquet

When: Saturday, April 20th 2024. 6:00 – 9:00ish PM

Where: Jameson's Irish Bar, Murray Room. 886 Smith Ave S, West St Paul, MN

Cost: 15.00 / person (the Club subsidizes half the actual 30.00 charge so if you commit to attend please follow through with payment)

How do I sign up and pay: email me, Jay Maher at jay@umn.edu. Preferably by the end of March but no later than April 10th. I will be on vacation for the first 11 days in April so I won't be at the April meeting and email may be spotty. Let me know how many will be attending and their names (for the door prize drawing) **and entree choice**. Let me know if we need to arrange a vegetarian option. **I will send you an email confirmation**. If you don't receive a confirmation within a day or two, don't assume your email made it through - try again or call (612-850-0810). Please bring a check (or correct cash amount) to the Banquet; please do not send any payment thru the mail. **Questions:** email me at jay@umn.edu

St. Paul Radio Club Breakfast

Saturday March 16th, 2024 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)

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 and pay. Sit back and it comes to your house. If you have questions, give them a call 817.602.1834

Photos:

Below left: Don Kelley's, WA6ZMT, program from the February meeting.

Below Right: Ralph NØAWN and Janet Bierbaum KDØBZZ announcing winning door prize ticket numbers. Both photos by Dawn Holmberg, WXØZ



BoD Meeting Minutes – by Art Thell, NØIWQ

Saint Paul Radio Club
Hereinafter referred to as “SPRC”
Board Meeting Minutes
02-02-2024

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 *

6:12: Pres. Dale called the meeting to order.

President: Call for added agenda items:

Need for wi-fi camera to cover combined local/remote meetings.-Added

Old Business:

Secretary’s Report:

Art moved to accept Minutes as published in the Ground Wave by Art, 2nd by Kevin Passed

Treasurer’s report: George

General Fund: \$11,038.16, Repeater Fund: \$1,244.25, Education Fund: \$1,470.38,

Total Cash on Hand: \$13,752.79.

So noted and filed: Secretary

CDH ARC Report: Br. Bob:

Working with faculty on incentives for the students.

Repeater Report: Dale:

Some problems on 2-meter this week. Following up with observation, possible timing.

Membership Report: Dale: 108 Members paid.

Website report: (saintpaulradioclub.org)

Please note “saintpaulradioclub.org” is the proper link rather than “st.paulradioclub.org” or some other version. (All other versions should be removed from the site—Note the FB page).

Full transition still in process. Don Kelly & Tom Bredemus are involved. Comment was made that the old site link should direct to the proper link.

(continued on next page)

Auction Report:

Dale was unable to give a final report on the Auction because of several outstanding bills for food and others. This is due to the fact that SPRC is on a cash rather than an accrual basis.

Documented bills were presented to the Treasurer for payment.

Dale reported that the profit will be in the order of \$3,000. This was caused by a preponderance of small items. Success was noted in moving a number of “legacy” items to Hams who can appreciate them.

Final report will be presented at the March Board Meeting.

VE Report: Exam slated for 2/3.

Steve (WA7HPK) will formulate a programming activity for test graduates assisted by Andy, Kevin, and George P.

Training Report: Pete

Online virtual class scheduler for 2/10/24. So far only 2 students committed.

Midwinter Madness Hamfest: March 23,, 2024 Buffalo Civic Center

SPRC Banner & table-Advertising: In the works.

Motion to approve \$60.00 for 4 tickets (\$10 ea.) and Club Corral table (\$20).

Motion by Art. 2nd Don. Passed.

New Business:

Wi-fi camera:

Dan will investigate the cost and report at a future meeting.

Club Breakfast: February 17 at 9:00 AM. (Normally third Saturday)

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

Adjourn:

Move: Don K. Second: Art Passed

7:07: Adjourn.

Membership Meeting Minutes – by Art Thell, NØIWQ

Saint Paul Radio Club

Hereinafter referred to as “SPRC”

Member Meeting Minutes

02-02-2024

7:30 Call to order by Pres. Dale

26 Members present plus Remote.

President call for other agenda items--none

(continued on next page)

Old Business:

Treasurer's report: George

General Fund: \$11,038.16, Repeater Fund: \$1,244.25, Education Fund: \$1,470.38,

Total Cash on Hand: \$13,752.79.

Membership report, Dale: 106

Repeater Report, Dale: Small glitch. Checking it out.

VE Report: Saturday test scheduled.

Training Report, Pete: Two students to date—need more.

Online/virtual session scheduled for 2/10/24.

Suggest that SPRC acquire new manuals when the new question pool is released in June.

Auction report, Dale: Final report in March. Estimate profit at approximately \$3,000.

Thank you to all who worked to make this a success including the 17 people who helped with the day-before setup. Thank you to Tom Sturm who donated all his gear to SPRC and some to the CDH Station.

And thanks to Jeff Mahoney for the antique "legacy gear" donation at the auction.

Field Day: June 22-23, 2024.

Much the same as last year with some placement changes for convenience/safety.

Janet B. noted that a H/C PP is necessary for safety reasons. Pete did a quick search and this would cost about \$60 additional over a standard PP. No action was taken.

Open volunteer positions report:

Midwinter Madness Hamfest:

March 23, 2024 8:00-12:00 Buffalo Civic Center

SPRC will have a club table.

New Business:

Acknowledge one new guest attendee, Robert (SWL). Welcome.

Other operating events: (Need not be Board-initiated)

Club Breakfast: February 17 at 9:00 AM.

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

(Normally Third Saturday)

Breakfasts have been well attended. Service is good. Thank you.

Adjourn: 8:05

Program to follow:

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	rbierbaum@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 Mar 1 6 PM SPRC Board meeting, Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School. *
- Fri Mar 1 7 PM Socializing followed by 7:30 PM SPRC Membership meeting. Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Mar 2 9:30 AM Amateur Radio testing administered by Saint Paul Radio Club volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd, Roseville, MN. Reservations required; Contact Ron Lundeen, KØKWN, Telephone 320-321-2744 or e-mail Ronald@lundeen.net
- Sat Mar 16 9 AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.
- Sat Mar 23 8 AM-Noon Midwinter Madness Hamfest. Buffalo Civic Center, 1306 County Road 134, Buffalo MN 55313 <https://k0ltc.org/midwinter-madness/>
- Fri Apr 5 6 PM SPRC Board meeting, Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School. *
- Fri Apr 5 7 PM Socializing followed by 7:30 PM SPRC Membership meeting. Commons Meeting Room, John R. Albers Center, Cretin-Derham Hall High School.
- Sat Apr 6 9:30 AM Amateur Radio testing administered by Saint Paul Radio Club volunteer examiner team. Galilee Lutheran Church, 145 N McCarrons Blvd, Roseville, MN. Reservations required; Contact Ron Lundeen, KØKWN, Telephone 320-321-2744 or e-mail Ronald@lundeen.net
- Sat Apr 20 9 AM SPRC Breakfast. Denny's, 1664 University Ave, west of Snelling.
Please note: This event may be changed due to the banquet on the same day.
- Sat Apr 20 Saint Paul Radio Club Annual Banquet.
Jameson's Irish Bar, 886 Smith Ave S, West Saint Paul.
- Sat Oct 5 North Star Radio Convention Brooklyn Park MN <http://mnconvention.org/>

* 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: March 1st, 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/j/kuWkjhGiz>