



Signals from SARA



WØJH

©2023 The Stillwater Amateur Radio Association

An ARRL Affiliate & Special Service Club

www.radioham.org

September
2023

September Program: NAØL explains NanoVNA

Our program for our September 9 membership meeting should be of interest to many members. How many of you couldn't resist the temptation to pick up one of the low-priced NanoVNA handheld vector network analyzers available on the internet, only to be stumped once you received it as to how to get all you can get out of the little gizmo! Well, don't miss our September program, as you will learn that you have a powerhouse in a small package. We are pleased to welcome Chuck Hanson NAØL as our program presenter for September. Chuck will fill us in on what we have been missing if you haven't yet purchased a NanoVNA, and what you may have not yet discovered for those who do have the device. If you do have one, don't forget to bring it along and follow along as Chuck provides hints on how to get more out of your device. Chuck recently gave his presentation to our friends at SEMARC, who were rightly impressed. So see you at Boutwells on September 11, or join us through the club's online stream. It should be fun!



Announcements

The regular monthly meeting returns on September 9 2023 in person & via Zoom. Start time: 9:20 AM, Boutwells Landing.

Meeting: Current Members will receive a meeting invitation via email from Joe, KCØIO.

SARA's virtual monthly meetings are open to all.

SARA On the Air

Phone Round-Robin Ragchews/Nets
Times are Local - Central

- >160m Ragchew
Nightly, 20:00; ~1.966 MHz
Alternates: ~3.813 - 3.830 MHz, 21.316 MHz, ~50.166 MHz (USB)
- >Monday Morning 75m Ragchew
08:15; ~3.856 MHz
- > 2m Tuesday (TMT)
19:00; SARA 2m Repeater*
- > Sunday Fusion Digital Voice Hangout
19:00; SARA Repeater* 147.060+ MHz
DCS/DTCS 026 Normal or connect
via WIRES-X to WØJH-Room 63969

*SARA 2m Repeater:
147.060 MHz; Positive Offset;
DCS/DTCS 026 Normal or connect
via WIRES-X to WØJH-Room 63969.

Can't Find Us On the Air?
... Monitor SARA Repeater!

Remote Base Station Update - September 2023

Patrick Tice, wa0tda@arrl.net



Stations WAØTDA and WØEQO are up and running.

Contact Pat at wa0tda@arrl.net for transmit access or for help.

Information about current station status and videos are available here:

<http://tice.us/wa0tda/>

The WØJH station, which has been operating in test mode for the past month will be taken apart and all accessories and cabling will be labeled prior to packing it up. This is the strategy we used to get the Park Rapids station configured here on my workbench before sending it up north for installation by Bill, NØCIC.

WØJH will be moving to the Hayward, Wisconsin area with the new QTH in a rural area. It should be ideal for a low noise floor!

Summer has been something else! It's been over-the-top-busy for most of us, and outdoor projects that I had planned have fallen behind due to the terrible smoke pollution and outrageous heat. Finally, now that the State Fair is over, maybe, just maybe we'll have some decent weather to get the station moved. An antenna will need to go up as well.

WØJH was taken offline September 4. I'm writing this from our vacation location on the North Shore, so the final station disassembly will have to wait until next week. I will be in touch with the Remote Base advisory folks and the SARA Board with a status update. As of this writing (September 6), there are still no plans for a moving and installation date. As I said, I'm sure everyone is busy - but we are going to run up against dodgy weather if we wait too long! Remember that October is also shaping up to be super busy with two Saturdays already booked for the SARA membership meeting and the ARRL Convention, and November is the Split Rock event.

If you have time to help, comments, or suggestions please email me!

73 - Pat, wa0tda@gmail.com

2023 ARRL MN State Convention Saturday October 14

The ARRL Minnesota State Convention will attract amateur radio operators from throughout the Upper Midwest for an all-day learning experience. It's an important educational initiative that aims to develop a pool of radio operators ready to provide emergency communications in Minnesota communities. The



American Radio Relay League (ARRL) is the preeminent national organization supporting US Amateur Radio. It is through ARRL that ham radio partners with FEMA to support response recovery efforts in the wake of disasters.

The conference has been painstakingly designed to give you as much diversity of knowledge and subjects to enhance your ability to communicate effectively in whatever mode or operation you desire. Some of this you will already know, but maybe not completely. Even the most knowledgeable ham operator has some challenges of operations in their abilities.

Registration is now open. You may register until September 30th at the rate of \$30.00 including lunch. Registrants from October 1 until the event will pay \$40, lunch is included for those registering through October 8th.

There is limited availability – register early!

For more info, go to <http://mnconvention.org>

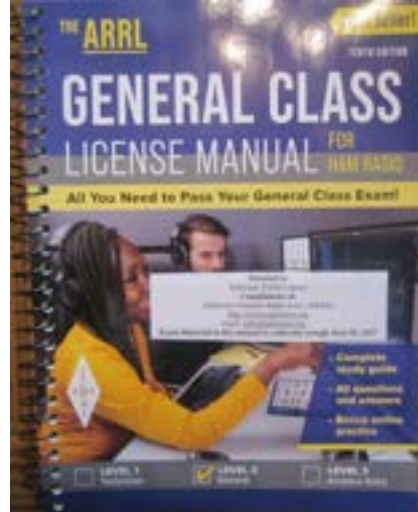
SARA is one of the sponsoring organizations of the 2023 ARRL MN State Convention.

73,

Joe Heitzinger KCØOIO

Library Donation

To accommodate the current General Class exam question pool, which became effective July 1, 2023, SARA has donated a copy of the current ARRL General Class license manual to the Stillwater Public Library.



Keeping Current

While we try to encourage everyone to provide current info for the SARA roster, failure to keep current with the FCC, can result in something happening that you would not like. Below is an excerpt from the Part 97 regulations that cover ham radio. Please review, and don't jeopardize your license needlessly:

47 C.F.R Section 97.21 requires you to file timely for an update of the license as necessary to show your correct mailing address, name, email address, club name, license trustee or custodian name. Revocation of your station license or suspension of your operator license may result when correspondence from the FCC is returned as undeliverable because you failed to provide the correct mailing address. For an operator/primary station license, the application must be filed electronically in ULS.

Membership

Seems to have been a rather short summer, but definitely a hot one. While I have never considered winter to be my favorite season, I am actually looking forward to it coming this year. With resumption of SARA regular monthly meetings, it is time to consider membership renewals for the upcoming year. Per person dues for regular membership is \$20/yr, and associate/family membership is \$10/yr.

SARA memberships run on a calendar year basis, from Jan 1-Dec 31. Unfortunately, a few have learned over the years that nothing is gained by paying dues late. SARA has a total of 144 members for 2023, 141 that are licensed hams. Thank you to the 27 who have already extended membership for 2024 and beyond.

Am including 3 lists showing membership status as of 9/2/23. The first list is of 117 current members, scheduled to expire on 12/31/2023. The second list is of 20 who are not scheduled to expire until 12/31/2024. The last list is our 7 current “gold star members”, who have memberships from 2025-2033.

Call	Exp	First	Last Name	STATE
AAØU	2023	Zack	Zaccagnini	MN
ABØR	2023	Dave	Erickson	MN
AC9F	2023	Chuck	Fritz	WI
ADØSN	2023	Rich	Smith	MN
AGØH	2023	Keith	Miller	MN
AK4WQ	2023	Soren	Straarup	MN
KA9CWM	2023	Buck	Malick	WI
KAØHYR	2023	John	Regan	MN
KAØOBI	2023	Steve	Bonine	MN
KAØZJG	2023	Bud	Benson	MN
KB9MMT	2023	Jeff	Wait	WI
KB9TBB	2023	Brian	Schousek	WI
KB9ZPK	2023	Brian	Hamilton	WI
KBØHQD	2023	Marc	Scholten	MN
KBØJER	2023	Jerry	Berreth	MN
KBØPCF	2023	Duke	Fuehrer	MN
KBØUXV	2023	Nate	Timm	MN
KBØWAQ	2023	Lil	Goodman	FL
KC9GEJ	2023	Dan	Wayner	MN
KCØDWZ	2023	Don	Zvareck	MN
KCØOIO	2023	Joe	Heitzinger	MN
KD3VIN	2023	Devin	Lydon	MN

KD9OIV	2023	Dan	Jones	WI
KD9UXU	2023	Jane	Rude	WI
KD9UXW	2023	Victoria	Schousek	WI
KD9YFC	2023	John	Krahling	WI
KDØEAP	2023	Greg	Schroeder	MN
KDØHBU	2023	Adam	Dooley	MN
KDØJTG	2023	Jacob	Heitzinger	WI
KDØKAT	2023	Kat	Johnson	MN
KDØLPY	2023	Ray	Hoyt	MN
KDØPKY	2023	Mary	Hill	MN
KDØTOV	2023	Mark	Zappa	MN
KDØVKB	2023	Randy	Olson	MN
KE5VXM	2023	Sen	Murugapiran	MN
KEØGOM	2023	Doug	Plunkett	MN
KEØHAL	2023	Dave	Larson	MN
KEØIYF	2023	Dan	Stubbs	MN
KEØMUW	2023	Joe	Thompson	MN
KEØN	2023	Eliot	Ricciardelli	MN
KEØNFB	2023	Mark	Votava	MN
KEØOGI	2023	Pete	Petersen	WI
KEØQAQ	2023	Pam	Jungwirth	MN
KEØQQM	2023	Chris	Lindberg	MN
KEØQQN	2023	Mark	Lindberg	MN
KEØROH	2023	Julie	Leikam	MN
KEØROJ	2023	Robb	Jacobs	MN
KEØROK	2023	Owen	Skroch	MN

KEØSCA	2023	Dave	Baker	MN
KEØVOC	2023	Scott	Barkley	MN
KFØDMG	2023	Steve	Speltz	MN
KFØEKD	2023	Ray	Speltz	MN
KFØHZG	2023	Bob	Stirling	MN
KFØIEX	2023	Jim	Garbe	MN
KFØIYA	2023	Mike	Sheldon	MN
KFØJEL	2023	Tim	Grotheer	MN
KFØJER	2023	Sabrina	Fish	MN
KFØJFJ	2023	Claude	Cybulski	MN
KFØKXT	2023	Chris	Wells	MN
KFØMNL	2023	Chase	Humphrey	MN
KFØMNO	2023	Andrew	Gontarek	MN
KFØMNT	2023	Allen	Lee	MN
KFØMNU	2023	Michael	Root	MN
KFØMOD	2023	Doug	Marthaler	MN
KFØMOL	2023	Collin	Geraghty	MN
KFØMPD	2023	Jon	Stignani	MN
KIØB	2023	Jim	Stemwedel	MN
KØAIF	2023	Dave	Leikam	MN
KØCFL	2023	Carl	Lindholm	MN
KØFHB	2023	Lon	Roach	MN
KØGCP	2023	George	Power	MN
KØGW	2023	Greg	Widin	MN
KØHAS	2023	Henry	Schwartz	MN
KØPU	2023	Brian	Edgell	MN
KØSON	2023	Bruce	Jungwirth	MN

KØVOB	2023	Anne	Leikam	MN
KSØJ	2023	Skip	Jackson	MN
KT9C	2023	Tenney	Crichton	WI
N5LB	2023	Lionel	Booth	MN
N9JNQ	2023	Dave	Iverson	WI
N9MA	2023	Mike	Rude	WI
N9TOW	2023	Doug	Farrell	WI
NØBM	2023	Brian	McInerney	MN
NØCIC	2023	Bill	Jones	MN
NØCQ	2023	Ken	Newton	MN
NØDRX	2023	Shel	Mann	MN
NØDXH	2023	Mary	Mann	MN
NØDZQ	2023	John	Rohow	MN
NØMR	2023	Jerry	Groeneveld	MN
NØNKL	2023	John	White	MN
NØTCH	2023	Matt	Sanford	MN
NØTXW	2023	Dave	Mangin	MN
NØUC	2023	Dick	Roberts	MN
NØUHR	2023	Tom	Voigt	MN
VE3MXJ	2023	Brad	Harris	CAN
VE3XT	2023	Paul	Unger	CAN
W2YNT	2023	Vince	Laraia	WI
W3QLC	2023	Joe	Hibberd	MN
W8PBO	2023	Theresa	Schousek	WI
WA1BFS	2023	Ken	Wooley	WI
WAØTDA	2023	Pat	Tice	MN
WB9OKQ	2023	Lyle	Miller	WI

WBØDGK	2023	Bob	Wilmers	MN
WBØMOA	2023	Gary	Propp	MN
WBØYSX	2023	Tim	Fida	FL
WD9GYT	2023	Mickey	Simpson	WI
WDØGUP	2023	Dan	Franz	MN
WN4GMT	2023	Jim	McCarthy	MN
WØGAF	2023	Bob	Jensen	MN
WØGIB	2023	Craig	Martin	MN
WØNKA	2023	Shane	Manzara	MN
WØOXB	2023	Dave	Glas	MN
WØSU	2023	Joe	Koppi	MN
WØWTP	2023	Jim	Anderson	MN
WQØN	2023	Russ	Morris	MN
	2023	Craig	Morris	MN
	2023	Rudy	Rodriguez	SD
AEØSL	2024	Stan	Leeson	MN
AEØVQ	2024	Duane	Voy	MN
KD9AZE	2024	George	Thompson	WI
KD9VKN	2024	Dave	Neeck	WI
KDØHRM	2024	Scott	Parker	MN
KDØHRN	2024	Candee	Parker	MN
KDØWGH	2024	John	Kuzma	MN
KEØIYN	2024	Collin	O'Connor	MN
KEØRZZ	2024	Holly	Wiste	MN
KEØVOS	2024	Duane	Wiste	MN

KFØHJX	2024	Molly	Hartman	MN
KFØKPK	2024	Steven	Sweeney	MN
NØODK	2024	Mike	Paskeuric	MN
NØVXH	2024	Dale	Mathisen	MN
W0ADL	2024	Aaron	Lewis	MN
W2SAD	2024	Scott	Dornseif	MN
W9LHG	2024	John	Lyon	MN
WØDIK	2024	Dick	Auld	MN
WØWTD	2024	Bill	Douglass	MN
	2024	Doug	Dartsch	MN
KFØDQU	2025	Joe	Tebbe	MN
KØPJB	2025	Paul	Brandt	MN
NØEBQ	2025	John	Olcott	MN
WAØKKE	2025	Mike	Knox	MN
WØELC	2025	Jimbo	Feesl	MN
N9EZC	2026	Dick	Miller	IL
KB9WTB	2033	Ron	Jansen	WI

Contact me directly with any membership questions, as well as any information updates, so we can keep the roster current. Addresses, emails, phone numbers, ARRL memberships, call sign changes as well as license class upgrades all should be current on the roster.

Shel NØDRX

n0drx@hotmail.com

“Remembering the Edmund Fitzgerald” at Split Rock Lighthouse 2023 Special Event: November 3-5



Plans are well underway for operating WØJH at this year’s big event. Will you be in this year’s picture?

Operate WØF for this year’s
“Remembering the Edmund
Fitzgerald” from YOUR QTH!

As WØF, those NOT able to
attend, will be able to
participate from YOUR OWN
QTH this year. (You can
SCHEDULE your operating
day, time, band & mode!)

We’ll be operating from the usual facility, Split Rock Lighthouse State Park Trail Center, per the following:

:: **Friday, Nov. 3** (half day, includes set-up; operating ~3:00 - ~5:00 pm)

:: **Saturday, Nov. 4** (all day; operating ~10 am - ~5:00 pm)

:: **Sunday, Nov. 5** (all day, includes take-down; operating ~10 am - ~5:30 pm)

(Saturday and Sunday will be listed in the Nov. issue of QST and posted on the ARRL website.)

1. Although several of you have told me you're attending; **I'd appreciate you confirming via email if and when you'll be there.**

2. Opportunities where attendees can assist:

:: Antenna Set-up (“OXB Special” antennas of course!)

:: Station/Transceiver Set-up

:: SARA Comms Trailer Towing

:: Operator Scheduling/Coordination for Trail Center Stations and Trailer Portable Station

:: Miscellaneous (e.g., assisting with Newbie initiations, wood stove tending, Trail Center cleaning, etc.)

There will be plenty of operating opportunities and valuable learning experiences for those attending.

3. Overnight reservations

Most of us stay at the Mariner Motel in Silver Bay.

Due to a health and staffing issue, the motel is NOT presently taking reservations!!

Wait a week or two, then call 218-226-4488 to see if/when you can reserve a room.
Google places to stay near Split Rock (e.g., Beaver Bay, Silver Bay, etc.). Prices elsewhere can be steep!!

The Mariner Motel is SARA's Official Networking/Critiquing Sessions HQ. (Manhattans, beer, wine/whines, and whatever you have will be tolerated/served as necessary!)

If you're interested in attending, please contact Dave, WØOXB (W00XB@arrl.net) so we've got you on the official attendee list. Note: For insurance reasons, participants must be current SARA members.

More details/specifics about this year's event will be sent in a few weeks.

SPLIT ROCK operation details will ONLY be sent to those who've indicated to me they are attending.

(ALL SARA Members will receive info about the WØF operation.)

General Class License Classes begin September 21

Fall is approaching and that means the SARA education team is preparing for the General Class License class sessions. Classes will begin Thursday September 21 and will run for 8 weeks, followed by a VE Session on Thursday Nov 16. The ARRL General Class License Manual Tenth Edition, updated for the new question pool now valid through June 30, 2027, will be the study guide for the class. For more information or to sign up for the class, contact Bob WØGAF at w0gaf@me.com.

Tech Team for Livestream of Monthly Meetings

Volunteer(s) wanted: SARA is looking for a volunteer or two to manage the production of our monthly meeting livestream. The webcam is being upgraded to a unit with full pan-tilt-zoom capabilities starting with our Sept 9 meeting. It would be most helpful to have a person or 2 to "produce" the livestream audio and video each month. You would be tasked with controlling the camera via remote control or software as well as monitoring the audio channels through the audio mixer. A primary tech along with a back-up tech is desired. If interested, drop me an email at kc0oio2002@gmail.com.

Upcoming events

- **September Monthly Meeting Saturday, September 9 - Boutwells Landing 9:00 AM (Don't arrive early) 13575 58th Street North, Oak Park Heights Zoom Stream begins at 9:15 AM. *Early birds: 7:30 AM Breakfast/Coffee Pre-meeting: Perkins Restaurant (2050 Frontage Rd, Stillwater)***
 - **Boutwells Landing policy – WEAR Mask in Lobby!**
- **Thursdays, ~6:00 – 8:00 PM EyeBall QSO Parties** Stillwater Public Library or other locations (members will be advised.)
- **September 21: General Classes begin**
- **October Monthly Meeting Saturday, October 7.** There is an alteration to the meeting schedule for the October meeting. The Board of Directors has moved this session to October 7 to allow members to attend the 2023 MN State ARRL Convention being held on October 14.

SARA Connections:

We offer multiple ways to stay connected with SARA. They include: groups.io, YouTube, Facebook, Instagram, and Twitter.

SARA groups.io: <https://groups.io/g/StillwaterMNAamateurRadioAssoc>

SARA YouTube Playlists: Technical Topic Thursday

SARA on Facebook: <https://www.facebook.com/groups/527705810939785>

SARA on Instagram: sararadioham

SARA on Twitter: @saraW0JH

SARA on Flickr: Photos taken at the 2023 SARA Sweep have been posted to the Flickr Site. The link is: <https://flic.kr/s/aHBqjArS2C>

Stillwater Amateur Radio Association Discord Server

The “Stillwater Amateur Radio Association” Discord server was established by Brian KB9TBB and is available exclusively for SARA members. The admin team is Brian KB9TBB, Shane WØNKA, and Collin KEØIYN. The “Introduction to SARA’s Discord Server” from Feb 23rd Tech Topic Thursday video is now

available on the SARA YouTube Channel. It is part of the Technical Topic Thursday Playlist.

Our Discord Server is open to all current SARA members. To join the “Stillwater Amateur Radio Association” Discord server, click on this link:

<https://discord.gg/Z9A8NsCCXh>

SARA 2023 Officers

The offices of President, Vice President, Secretary, and Treasurer are elected annually. The Director positions are 2-year terms, each elected in alternating years. One Director is elected for the 2023-2024 term.

- President: Joe Heitzinger, KCØOIO
- Vice President: Bob Jensen, WØGAF
- Secretary: Dave Iverson, N9JNQ
- Treasurer: Rich Smith, ADØSN
- Director '23-'24 Brian Edgell, KØPU
- Director '22-'23 Brad Harris VE3MXJ will continue for the 2nd year of his term.

Trustee: Shel Mann, NØDRX (Note: The SARA Trustee officer is an appointed position; chosen by the elected officers)

Now is the time to consider helping shape the future of the Association by serving as an official of SARA.

A Note from the Editors

This edition of the 2023 Signals from SARA news is produced on Google Docs using 100% recyclable electrons.

We welcome your article submissions. Don't worry about getting the spelling & grammar perfect - submit it anyway and we'll work it out. Please keep text and pictures separate, as this helps us with layout.

We can take most any format, but plain text is easiest to manage. Word docs are also fine, but we'd prefer to avoid formats like MS Publisher and PDF as submissions.

Email wa0tda@arrl.net