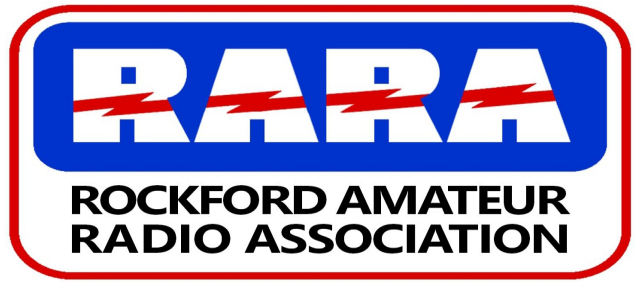


HAMRAG

Visit our website for more club and area ham information at <http://w9axd.org>, or join us on Facebook at this [LINK](#)



RARA Mission Statement

A member association with common interest of public service to the community through the use of amateur radio.

RARA is a volunteer run organization of individuals donating their time each month to develop activities, maintain repeaters, nets, and education. There are associated expenses and when you become a club member, your dues are providing a service to your community and furthering the hobby of amateur radio.

Welcome New Members!

Brian Algren, KA9OYR
Jeremy Nordbrock, KD9JTX

Many thanks to those of you that have already renewed for 2025.

If you have not already done so, please take a couple of minutes to do so. A membership form with instructions on renewing can be found on the last page of the newsletter. At the end of February, members not renewing will be placed in a "lapsed" status and will no longer receive club email.

January 2025

INSIDE THIS ISSUE

Cover Page - page 1

Next Meeting - page 1

Local Events & Info
Pages 2-3

President's Message
Page 4

Celebrating RARA History
Page 5

Feature Article W9CJS
Page 6-7

DX Happenings
Page 8

Amateur Resource
Pages 9-11

Starved Rock Marathon
Page 12

Upcoming Exams
Pages 13

Livonia, MI Swap & Shop
Page 14

RARA Membership Form
Page 15



NEXT MEETING

Friday, January 10, 2025 at 7pm

This will be a virtual meeting on Google Meet
Presentation: Station Layout & Design by Kurt, KE9N

A meeting link will be emailed to members, posted in the Facebook Group, and the website.

Local Events and Information

January 7, 2025 RARA Board Meeting 7:00pm on Google Meet
January 10, 2025 RARA Membership Meeting 7:00pm on Google Meet

2025 RARA Officers and Directors

Officers:

President - Larry McFall, KD9HKX, 815-900-1820, lpmcfall@charter.net
Vice President - Matt Marshall, W3MBX, 815-222-5959, matthew.marshall@gmail.com
Secretary - Joe Perry, K9JPP, 815-2138-3891 K9jppham@gmail.com
Treasurer – Verna Schubert, KD9YUM, 815-505-8170, vernas.kd9yum@gmail.com

Directors:

Jimmy Curtis, KC9GOL, 779-537-2233, jimheurtis7818@yahoo.com
Dan Larson, KD9SAZ, 312-292-1989, kd9saz@gmail.com
Mike Richardson, KB9SSV, 815-616-0200, kb9ssv@msn.com
Tom Shouler, N9VJU, 815-978-6476, n9vju@comcast.net

Hamrag Editor - Verna Schubert, W9YUM, 815-505-8170, vernas.kd9yum@gmail.com
Webmaster - Verna Schubert, W9YUM, 815-505-8170, vernas.kd9yum@gmail.com
Repeater License Trustee - Gordon Seaman, KC9NEX, 815-262-0294, kc9nex@gmail.com
Repeater Chairman - Kurt Eversole, KE9N, 815-389-2784, kurt.eversole@gmail.com



Many thanks to those contributing to the 2024 Hamrags. Without the content they have provided, we wouldn't have a newsletter. They covered a broad coverage of interesting topics, some technical in nature and others of general interest. I encourage everyone to make submissions, short or long.

Thanks to:

John Alcock NG9M, Dave Gauger W9CJS, Bill Fritsche K0SDZ, Chris Green N9OEG, Jon Lipscomb AC9YE, Matt Marshall W3MBX, Larry Lisle K9KZT, Joe Perry K9JPP, Larry Schubert AC9GO, and Robert Urban W9EWZ. Thanks also to those contributing photos.

Editor's Note

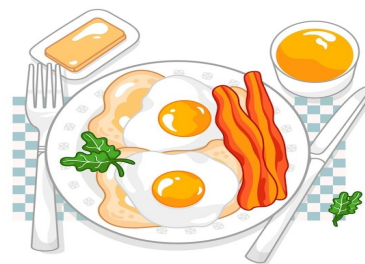
If you would like to have something published, please call me at 815-505-8170,
or email me at vernas.kd9yum@gmail.com

Articles are welcome and encouraged from all hams.

Due Date for the February Hamrag is Monday, January 25, 2025

73, Verna—W9YUM, Editor

Local Events and Information



FRIDAY MORNING BREAKFAST

Meets every Friday morning from 7:30 am until about 9:00 am.

We order breakfast at 8:00 am.

An informal gathering of ham folks, no affiliations necessary, good food and good company.

Everyone is welcome to attend.

“The Spring Garden Family Restaurant”

4820 N. 2nd Street

Loves Park, IL 61111

Local Net Information

- Mon** - 7:00pm - RARA Info. Net & CW Lesson, 147.195 (+0.6) offset, pl 114.8
- 8:00pm - McHenry County RACES Net, 146.835 (-0.6) offset, pl 91.5
- Tues** - 7:00pm - RARA Tech & Social Net & CW Lesson , 147.195 (+0.6) offset, pl 114.8
- 7:00pm - Rock County Public Service Net, 145.450 (-0.6) offset, pl 123.0
- Wed** - 7:00pm - RARA Chat Net, 147.195 (+0.6) offset, pl 114.8
- 7:00pm - Stephenson County ARES Net, 147.390(+0.6) offset, pl 114.8
- 7:30pm - Greater Beloit Radio Net, 147.120 (+0.6) offset, pl 123.0
- Thu** - 7:00pm - Northern Illinois Skywarn Training Net,147.195 (+0.6) offset, pl 114.8
- Fri** - 8:00pm - Friday Night Fun Net, KC9GCR, 147.195(+0.6) offset, pl 114.8
- Sat** - 8:00pm - Saturday RARA Ragchew Net, 147.195 (+0.6) offset, pl 114.8
- 8:00pm - Pink Hamsters YL Net, Milw., 146.910 (-0.6) offset, pl 127.3
- 9:00pm - Saturday Night Fun Net Milw., 146.910 (-0.6) offset, pl 127.3
- Mon. thru Friday** - 8:00am to 9:00am - Senile Net, 14.287 (HF USB)

President's Message



★ *Happy New Year!*

★ As I write this the board has decided to hold virtual club meetings in January, February, and March. I know that several of you will find this helpful because with early evening sunsets, the increase in illnesses, and uncertain weather conditions attendance in person is difficult or not an option. Holding a virtual meeting will allow many more of you to attend the meeting. I also recognize that due to technology limitations some of you may not be able to attend these meetings. Please let us know what we can do to help you in attending a virtual meeting.

★ Looking ahead into the upcoming year the club has many opportunities and challenges. OSF Saint Anthony's has announced that at the end of 2025 they will no longer host any Community meetings. So the club is looking for a new place to hold meetings. We know several other venues such as local libraries, churches, the Rockford Park District, and Rock Valley College are available but most of these venues require a fee to host a meeting. It is the board's preference to find a venue where we can hold a meeting without putting a strain on our resources but they are becoming harder to find, especially those providing internet connectivity.

★ Many of you are aware that the current placing of the antenna for the 146.610 repeater is not ideal. There are many places within Winnebago County where the repeater cannot be reached. The board understands one of our primary responsibilities is to make the repeater as useful and accessible as possible and to this end we are looking for solutions.

★ The club has many planned events for this year including summer field day, the family picnic, RARA's 70th anniversary celebration, the Belvidere hamfest and helping the local Boy Scouts with JOTA and holding a few POTA popup events. I hope as many of you as possible will join in these events.

★ One event that many of you may not know about is the "AM Rally". This operating event occurs this year from 0000Z Saturday, February 1st through 0700Z Monday February 3rd. The event is held on HF and 6M and there are many categories under which you may enter. I encourage all of you to check out the amrally.com website.

★ 73s,
★ Larry McFall KD9HKX



Celebrating 70 years—RARA History

From RARA member Paul Dean, WB9HGZ

In December of 1971, RARA set up a booth at the Colonial Village shopping center and collected Christmas messages for armed forces personnel serving in Vietnam. We relayed those messages through the Military Auxiliary Radio System (MARS). MARS personnel from Naval Station Great Lakes supported our efforts. They were so impressed with our work, some of the personnel traveled to Rockford and brought along a Collins



station consisting of a KWM-2 transceiver, 30L1 linear, speaker/power supply and station console. We set the station up in the booth and relayed many messages directly over the air. Any that we were unable to pass to the MARS network during mall hours were taken back to Great Lakes and relayed from there.



From the April 1982 Hamrag

RARA's OVER THE HILL CONTEST

Due to popular demand, (two or three people complained) RARA is sponsoring a DX contest. (Anything over the next hill is DX, right???)

- 1) Work anybody, anytime, any band, any mode. No limits at all so good luck with lists, nets, and other contests.
- 2) On the log sheet enter date and time (GMT of course), call of station worked, signal report (both ways), band, and mode.
- 3) To make the dupe sheet business easier, work any station only once. Submit dupe sheets for more than 100 QSO's.
- 4) Phone QSO's score one point. CW QSO's score two points. (Who said anything about fair).
- 5) Same classes as before: Novice/Technician, General, Advanced/Extra.
- 6) Multipliers are the *FIRST LETTER OR NUMBER IN THE CALLSIGN* of station worked. In other words; G4AWE is the same as GW4AWE but

different from 9Y4AWE. You can get 4 different multipliers from U.S. stations (W, K, N, and A). Maximum total of 36.

7) Contest period: any nine consecutive days during the month of June. If your first QSO is at 0410z on June 12 your last one will be no later than 0409z on June 21.

8) Scoring is simple. Multiply the sum of your QSO points by the number of multipliers.

9) Bonus: Anyone who works Field Day with a club (Active helper) scores a bonus of 1000 points.

10) Contest logs should be submitted to **P.O. Box 1744, Rockford, Illinois 61110** by July 15. Awards to be given out at the club picnic in August. In case of ties we will tear the certificate or saw the trophy in half.

Get Beyond the Brag Tape, Dave Gauger W9CJS

I recently ventured on to the PSK31 frequency 14,070 on 20 meters and heard a CQ so I called in response. The operator responded with RST, Name, QTH, and then a lengthy "Brag file" followed by several ways, that I could log this contact with him.

I was a bit put off by this, having been relegated only to a number on a QSO list. I not so politely responded, "Thanks for the report and other info, but I called looking for a conversation. Perhaps next time ...73 and God bless you, W3*** de W9CJS sk.

On today's Ham Radio we seem to be focused on totals, winning, completing lists and winning awards for our Radio prowess but not interested in "conversation".

DEFINITION: " CONVERSATION"

A verbal exchange of ideas, thoughts, and feelings between two or more people. It involves listening and speaking and can be face to face or through technology like phones or radios... but it must be verbal.

Let me be very clear, I'm not knocking contests or DX hunting or digital technology like WSPR or FT-8 they are in integral part of our hobby. I enjoy CW Sweepstakes, or Field Day and the like, but I do miss finding Hams who will converse. I'd love to hear about their station equipment, their Ham history, their work history, their family and a plethora of other topics ... are you a gardener, do you play Santa at the local school? ... and on and on. I love to hear such things, but sadly, everything these days seems to be a contest. Most QSOs these days, DXing, POTA, CWT, all seem to consist of RST, State, name and 73. That's not a QSO, rather it is a qso.

I do find groups of hams here and there who meet, some daily, to converse. Bravo! There are a few groups on 75m SSB in the morning or 20m SSB in the afternoon.

For the better part of 10 years my daily teaching schedule started at 10:00 a.m. giving me plenty of time to chat with a group of Hams on 3710 kHz every morning at 08:00 CST. Those who joined daily, hailed from northern Illinois or Indiana. There were usually about five of us.

I got to know each of the members who were regulars, and I fully enjoyed our conversations. It was about as far from a "directed net" as one can get. If you had something to say, you said it ... kept it short ... made the verbiage efficient ... said exactly what you meant, then let the comments flow from others. We had lots of laughs ... no hard feelings... and lots of learning from each other. If there were verbal collisions then we simply repeated our comment at the next opening.

Get Beyond the Brag Tape, Dave Gauger W9CJS

Having mentioned directed nets, they are necessary and proper for many uses, but they DO NOT repeat DO NOT encourage the open, free style communication that I'm talking about. Just recently I heard a CQ on 20m CW and I called. It turned out to be a Ham in Pennsylvania. Our conversation went on with questions and answer, back and forth for about 30 minutes. I had three full pages of copy.

Afterwards, I received an e-mail from the same W3 and we chatted back and forth for a couple exchanges. I found this to be very satisfying and I encourage all of us to engage in conversations such as I described here. They are great fun.

The weekly Friday breakfasts at Spring Garden Family Restaurant are very enjoyable and do include great conversations. Perhaps these have become a substitute for on-air chats. Well ... maybe ...

Ur RST 5NN QTH IL op Dave 73 de W9CJS e e

Tips for Radio Conversation or "Rag-chewing"

Rag-chewing is a popular activity among ham radio operators, providing a platform for engaging conversations and social interactions. Rag-chew refers to an information conversation on amateur radio involving two or more people. Discussions are generally about hobbies, interests, and current events and are of informal and laidback nature.

Finding the best times for rag-chewing can enhance the overall experience, ensuring vibrant discussions and minimal interference. During weekdays, especially during daylight hours, many hams are at work or school, creating an opportune time for rag-chewing. This allows operators to connect and enjoy casual conversations without the crowded bands that can occur during evenings and weekends.

For regional conversations, utilizing repeaters or low-frequency HF bands can facilitate smooth communication. On the other hand, high-frequency bands are better suited for coast-to-coast talks, reaching hams across different regions.

The timing of rag-chewing is influenced by social aspects and the availability of operators. By aligning with the schedules of fellow hams and considering the availability of specific bands, operators can optimize their rag-chewing experiences.

DX Happenings

TX7N Hiva Oa

TX7N Team will be active from Hiva Oa Island, Marquesas Islands, IOTA OC - 027 12 - 27 January 2025.

Team - F5VHQ, F8GGV, F6BCW, F5SDD, SP5APW, HB9GWJ, F8ATS, EA1SA, F6FMC, F1MNQ, OK2WX, F4GLD, F4ISZ, F5LRL.

They will operate on HF Bands.

They will operate as TX100REF in REF CW Contest, TX7WW in CQ WW 160m CW Contest and TX7MAS for EME



C8K Mozambique

C8K Team will be active from Mozambique during January 18—February 1, 2025

Team—Petr OK1BOA, Petr OK1FCJ, Palo OK1CRM, Pavel OK1GK , Ruda OK2ZA, Ludek OK2ZC, Karel OK2ZI, David OK6DJ.

They will operate on 160 - 6m, including 60m Band, SSB, CW, RTTY, FT8, FT4, PSK.



DP1POL Neumayer Station III

Felix, DL5XL will be active again as DP1POL, from Neumayer Station III, Antarctica, January 12 - 15 February 2025. He will be active on HF bands mainly CW.



Links to Amateur Resources

All links are active

WA7BNM Contest Calendar. This site provides detailed information about amateur radio contests throughout the world, including their scheduled dates/times, rules summaries, log submission information and links to the official rules as published by the contest sponsors.

[WA7BNM Contest Calendar: Home](#)

[DX-World | The World's Biggest and Best DX News Service for DXers and IOTA enthusiasts](#)

The Reverse Beacon Network

The Reverse Beacon Network is a revolutionary new idea. Instead of beacons actively transmitting signals, the RBN is a network of stations listening to the bands and reporting what stations they hear, when and how well.

[Welcome! - Reverse Beacon Network](#)

NCDXF/IARU International Beacon Project

The Northern California DX Foundation [NCDXF](#), in cooperation with the [IARU](#), constructed and operates a worldwide network of high-frequency radio beacons on 14.100, 18.110, 21.150, 24.930, and 28.200 megaHertz. These beacons help both amateur and commercial high-frequency radio users assess the current condition of the ionosphere. The entire system is designed, built and operated by volunteers at no cost except for the actual price of hardware components, shipping costs, and so on.

[International Beacon Project Locations and Information \(ncdxf.org\)](#)

Parks on the Air

Parks on the Air (POTA) is an international radiosport award program that encourages licensed amateur radio operators to visit and operate portable equipment in parks and public lands. Operators can be activators, who set up stations in parks, or hunters, who contact activators from other locations. The program aims to promote emergency awareness and communications from national/federal and state/provincial level parks.

For information:

[Parks on the Air | POTA | Parks program for amateur radio.](#)

For Spotting Activators

[Parks on the Air | POTA](#)

For those interested in Space Weather

[Space Weather by SolarHam](#)

Links to Amateur License Resources

Study resources are numerous and available in a variety of formats. This is a listing of some of the more popular. The list includes websites, books, online study, and YouTube. With neither an electronic nor strong math background, the Fast Track books were perfect for me. I (W9YUM) used them exclusively for my technician study and for my general study, I also used HamStudy.org. Some are free, others range in price – but there is something for everyone. Key to study is to find what works for you, make sure the resource you use is based on the current question pool, find out when exams are offered and pick a date to aim for, and study consistently for at least an hour a day. Ham radio is a lifelong learning hobby, don't get discouraged by thinking you need to learn in all in a month!

Most of the links below are for the Technician Class License however they also provide study guides for General and Extra Licenses.

TECHNICIAN Class (Element 2) Pool is effective July 1, 2022 and is valid until June 30, 2026.

GENERAL Class (Element 3) Pool is effective July 1, 2023 and is valid until June 30, 2027.

EXTRA Class (Element 4) Pool is effective July 1, 2024 and is valid until June 30, 2028.

****ARRL Exam Review**** - Provides study materials and practice exams for all levels of amateur radio licenses. [ARRL Exam Review for Ham Radio™](#)

****HamStudy.org**** - Offers free practice exams and study guides for the FCC amateur radio exams. [HamStudy.org: Cutting edge amateur radio study tools](#)

****QRZ.com Practice Tests**** - Provides practice exams for the FCC amateur radio exams. [Practice Amateur Radio Exams by QRZ Ham Radio](#)

****Hamradioprep.com**** – A multimedia course using the science of learning to engage all learning styles through video, audio, text, and practice exercise. <https://hamradioprep.com/>

****The ARRL Ham Radio License Manual**** - Published by the ARRL, these books are a comprehensive guide to all levels of amateur radio licensing. The link will take you to the Technician License manual with the others listed at the bottom of the page. <https://home.arrl.org/action/Store/Product-Details/productId/2003373064>

****Gordon West's Technician Class Study Manual**** - A popular study guide for the FCC Technician class license exam <https://home.arrl.org/action/Store/Product-Details/productId/2015951493>

****The Fast Track to Your Technician Class Ham Radio License**** - A concise study guide for the FCC Technician class license exam. [The Fast Track to Your Technician Class Ham Radio License]([Amazon.com: The Fast Track to Your Technician Class Ham Radio License: Covers All FCC Technician Class Exam Questions July 1, 2022 Through June 30, 2026 \(Audible Audio Edition\): Michael Burnette, Kerry Burnette, Michael Burnette, Michael Burnette: Books](#))

****Fasttrackham.com**** (website is a companion to the Fast Track books and used for practice exams, teaching videos and more) [Know your stuff. - The Fast Track to Your Ham Radio License % \(fasttrackham.com\)](#)

****Ham Radio Crash Course**** - A podcast that covers various topics related to amateur radio, including exam preparation. <https://www.youtube.com/user/hoshnasi>

Resources

While it is true, “No one owns” a frequency.
Courtesy in amateur radio is key.

The Considerate Operator's Frequency Guide

The following frequencies are generally recognized for certain modes or activities (all frequencies are in MHz) during normal conditions. These are not regulations and occasionally a high level of activity, such as during a period of emergency response, DXpedition or contest, may result in stations operating outside these frequency ranges.

Nothing in the rules recognizes a net's, group's or any individual's special privilege to any specific frequency. Section 97.101(b) of the Rules states that “Each station licensee and each control operator must cooperate in selecting transmitting channels and in making the most effective use of the amateur service frequencies. No frequency will be assigned for the exclusive use of any station.” No one “owns” a frequency.

It's good practice — and plain old common sense — for any operator, regardless of mode, to check to see if the frequency is in use prior to engaging operation. If you are there first, other operators should make an effort to protect you from interference to the extent possible, given that 100% interference-free operation is an unrealistic expectation in today's congested bands.

<i>Frequencies</i>	<i>Modes/Activities</i>	<i>Frequencies</i>	<i>Modes/Activities</i>
1.800-2.000	CW	14.233	D-SSTV
1.800-1.810	Digital Modes	14.236	Digital Voice
1.810	CW QRP calling frequency	14.285	QRP SSB calling frequency
1.843-2.000	SSB, SSTV and other wideband modes	14.286	AM calling frequency
1.910	SSB QRP	18.100-18.105	RTTY/Data
1.995-2.000	Experimental	18.105-18.110	Automatically controlled data stations
1.999-2.000	Beacons	18.110	IBP/NCDXF beacons
		18.162.5	Digital Voice
3.500-3.510	CW DX window	21.060	QRP CW calling frequency
3.560	QRP CW calling frequency	21.070-21.110	RTTY/Data
3.570-3.600	RTTY/Data	21.090-21.100	Automatically controlled data stations
3.585-3.600	Automatically controlled data stations	21.150	IBP/NCDXF beacons
3.590	RTTY/Data DX	21.340	SSTV
3.790-3.800	DX window	21.385	QRP SSB calling frequency
3.845	SSTV		
3.885	AM calling frequency	24.920-24.925	RTTY/Data
3.985	QRP SSB calling frequency	24.925-24.930	Automatically controlled data stations
		24.930	IBP/NCDXF beacons
7.030	QRP CW calling frequency	28.060	QRP CW calling frequency
7.040	RTTY/Data DX	28.070-28.120	RTTY/Data
7.070-7.125	RTTY/Data	28.120-28.189	Automatically controlled data stations
7.100-7.105	Automatically controlled data stations	28.190-28.225	Beacons
7.171	SSTV	28.200	IBP/NCDXF beacons
7.173	D-SSTV	28.385	QRP SSB calling frequency
7.285	QRP SSB calling frequency	28.680	SSTV
7.290	AM calling frequency	29.000-29.200	AM
10.130-10.140	RTTY/Data	29.300-29.510	Satellite downlinks
10.140-10.150	Automatically controlled data stations	29.520-29.580	Repeater inputs
14.060	QRP CW calling frequency	29.600	FM simplex
14.070-14.095	RTTY/Data	29.620-29.680	Repeater outputs
14.095-14.0995	Automatically controlled data stations		
14.100	IBP/NCDXF beacons		
14.1005-14.112	Automatically controlled data stations		
14.230	SSTV		

ARRL band plans for frequencies above 28.300 MHz are shown in *The ARRL Repeater Directory* and on www.arrl.org.

Starved Rock Country Marathon

Greetings, fellow amateur radio operators and clubs!

In anticipation of providing amateur radio communications at the Starved Rock Country Marathon on Saturday May 10, 2025 we have come up with what we think is a novel idea. We'd like to introduce Public Service Event communications to those that may have never participated in something of this nature previously. What we'd like to do is get groups or clubs to cover an assigned rest/aid station with members from their own area. This is a low stress event, as few as 2 amateurs could cover an assignment but why not bring a carload and get those new people involved? The race generally starts about 07:00 a.m. and is wrapped up around 15:00 (though early stations may close before noon). The start/finish line is in Ottawa, IL and the course follows the Illinois River into and through Starved Rock State Park. HT's can handle some of the communications but a mobile rig and an external antenna is recommended but 30' masts certainly are not needed. Please consider signing up as a club to cover one of the aid stations. (Depending upon response, an amateur that has worked this event in the past will be assigned at your station with you).

[Registration link](#) ←

Hope to see you on the registration list. There will be communications and training taking place in advance, but don't hesitate to reach out if you have any questions. Parking will not be an issue at the assignments and Ottawa offers many restaurants and coffee shops for your "After Event" refreshments. The map below is the historical route used but subject to fine tuning. Full marathon starts/ends in Ottawa while the 1/2 starts in Starved Rock State Park and finishes in Ottawa. For further information please reach out to KA9WRZ@ARRL.NET Please talk this up at your breakfasts and meetings. Spring will be in the air!

Map below is from previous years, but route will be similar or the same.



Matt, W3MBX & Verna, W9YUM are putting together a team of RARA members and/or other interested area hams to work this event. Please reach out to Matt if interested. Great community service opportunity!

Upcoming Exams

Looking to upgrade or know someone looking for a testing location?

More information available at ARRL.org

[Click here](#) for link to VE Teams offering Online Exam Sessions

MUST HAVE FRN AHEAD OF EXAM

- **01/16/2025 | [Geneva IL 60134-2725](#)**
Sponsor: Fox River Radio League
Location: Geneva Lutheran Church
Time: 6:00 PM (Walk-ins allowed) [Learn More](#)
- **01/18/2025 | [Janesville WI 53545-3024](#)**
Sponsor: Wisconsin Area VEs (WAVE)
Location: Saint John Lutheran Church
Time: 1:00 PM (Walk-ins allowed) [Learn More](#)
- **01/25/2025 | [Milwaukee WI 53223-4736](#)**
Sponsor: MRAC VEC, INC
Location: Ham Radio Outlet
Time: 9:30 AM (Walk-ins allowed) [Learn More](#)
- **02/01/2025 | [Madison WI 53715-2143](#)**
Sponsor: Four Lakes ARC
Location: Univ of WI Space Place
Time: 8:00 AM (Walk-ins allowed) [Learn More](#)
- **02/18/2025 | [Woodstock IL 60098-2953](#)**
Sponsor: McHenry County Wireless Assoc
Location: Free Methodist Church
Time: 7:00 PM (NO Walk-ins allowed) [Learn More](#)
- **02/22/2025 | [Milwaukee WI 53223-4736](#)**
Sponsor: MRAC VEC, INC
Location: Ham Radio Outlet
Time: 9:30 AM (Walk-ins allowed) [Learn More](#)

The Livonia Amateur Radio Club

Swap-n-Shop

Saturday

February 22, 2025

Sale Hours: 8:00 AM to 12 Noon



Absolutely no buying or selling before 8:00 AM

***Buy, Sell or Trade
Amateur Radio Gear
ARRL Sanctioned***

- * Electronics***
- * Antennas***
- * Test Equipment***
- * Computers***
- * Ham shack accessories & more!***

NEW LOCATION!

***Ward Church, Knox Hall
40000 Six Mile Road
Northville, MI 48168
West of Haggerty Road***

Talk-In: K8UNS LARC Repeater
145.35 PL 100 Hz

Door Prizes from ARRL and
ALPHA ANTENNA®

- \$100 Cash Grand Prize! •

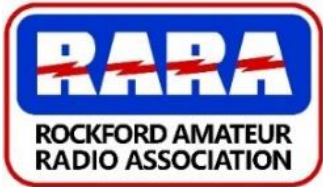
ADMISSION: STILL ONLY \$5! (cash @ door)

Admission ticket pre-sales are available only to vendors/sellers with advance table purchases; visit the website for reservation info.

[https://livoniaarc.com/larc-annual-swap-and-shop/
swap@livoniaarc.com](https://livoniaarc.com/larc-annual-swap-and-shop/swap@livoniaarc.com)

Phone: 734-648-6453

Same-day tables are subject to availability.



website: w9axd.org
email: w9axdrara@gmail.com

RARA Membership* Form

Dues are \$25.00

(This is an editable PDF Form. Fill in the information with your keyboard, then save the PDF, and then attach it to an email to: w9axdrara@gmail.com. See below for mail in information and/or PayPal information)

Date: _____ (mm/dd/yyyy) New Membership ____ Renewal ____

Name: _____ Callsign: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

E-mail Address: _____

Phone - Home: _____ Cell: _____

Can we release your e-mail and phone number to members only? Yes _____ NO _____

Are you a member of the ARRL (American Radio Relay League)? Yes _____ NO _____

What things do you like to do with ham radio?

What things do you want to do, but need more information to do so?

Would you be available to make a presentation on some part of our hobby and what?

Do you have any questions that we can help you with presently? If so, explain below.

Mail In: Please fill out all the information on the form and mail it with \$25.00 to the following address:

Rockford Amateur Radio Association
P.O. Box 8465
Rockford, IL 61126

Make your check payable to: Rockford Amateur Radio Association.

For Internet application and payment:

To use PayPal, click on the link below. After clicking "Send" and then logging in, enter \$25.00 in the "Dollar Amount", and click "Send", to complete your payment to RARA. Also, **DON'T** forget to email your completed form to: w9axdrara@gmail.com for your membership application. *Thank you for your support!*

PayPal Link:



*Membership is based on approval of the RARA Board. The membership fee will be returned if you are not approved.