



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.
Founded in 1931

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THE RARA ANNUAL MEETING WILL BE ON 1 SEPTEMBER NO AUGUST GENERAL MEETING

BRIAN O'CONNOR, KA2CGB, RARA VICE PRESIDENT

It was really great to see all of those who attended the RARA Annual Picnic in Mendon Ponds Park on 10 July. There were old friends to catch up with and new people to meet, including a very encouraging number of both newer and prospective hams. Moreover, the passel of youth was so exciting to meet and talk with!

RARA is very fortunate to have so many members with different talents, skills and experiences. Looking back at our current year (which began September 2020), we want to recognize those Hams who took the time to prepare and present an informative program during our monthly meetings:

Scott Theis, W2LW
Forest Shick, WA2MZG
Tim Barrett, K9VB [twice!]
Tom Bray, W8TBJ

Eric Guth, 4Z1UG
Scott Fybush, K2SDF
Lynn Bisha, W2BSN
Mike Moore, KC2NM

If you have knowledge or experience with a particular topic that you could share with the Club then please contact vicepresident@rochesterham.org and we will support you from preparation through presentation!

And while RARA is taking a hiatus from meetings during August, there are still several events that RaRa will be engaged with in August:

- **International Lighthouse and Lightship Weekend** (ILLW) on 21-22 August. RARA is supporting a group led by Dave, W2DST, who will activate the Charlotte Lighthouse. Please come and check out their station and see who they've been in contact with. (See <https://geneseelighthouse.org/>).
- **ROC City Net Hamfest** on 28 August at the Log Cabin Restaurant on NY route 31F in Macedon. We will have an equipment testing station, a RARA membership desk, and some surplus equipment for sale.

The next RARA meeting will be on 1 September, on-line. That will be our annual business meeting, where your Board will present its annual report, and you – the membership -- will vote on Board members for the 2021-2022 year. The business portion of the meeting will be followed by an informative presentation.

Hoping to see you then!



BOARDZ BUZZ

BRIAN O'CONNOR, KA2CGB, RARA VICE PRESIDENT

It's Summer !

Although RARA will not have online meetings during July and August, there is still a lot going on! RARA is supporting several events this summer:

- Local Hams will activate the historic Charlotte Lighthouse for the **International Lighthouse Lightship Weekend** (ILLW) on 21-22 August. Stop by and get on the air!
- RARA will be at the **ROC City Net hamfest** in Macedon on 28 August. Our booth will be providing both equipment testing for participants as well as sales of donated equipment. Please stop by our booth!
- The **Fairport Liftbridge Regatta** returns on 25 September. This is a great opportunity to use your 2m handheld for Public Service!

More details on these and later events are in this RAG as well as on our website, <https://rochesterham.org>.

VE Testing

RARA has long had a policy of providing no-charge testing for FCC Amateur Radio licenses. But when the lockdown hit, we were no longer able to conduct testing at RIT. Last fall the VE Team was able to identify an appropriate venue, and your Board approved funding for venue rent. The VE Team established protocols for license testing in a COVID-safe environment.

A review of RAG reports shows that the VE team had **59 Technician, 31 General, and 15 Extra** class examinees pass their tests since resuming testing. That's a great result for building Rochester's Amateur Radio community during extraordinary times!

While our license testing sessions are now paused for the summer, we want to recognize Don Kiser, AC2EV, and the entire Volunteer Examiner (VE) Team for their dedication. The RARA VE Team will resume test sessions in September.

A New Year at RARA

September will be the start of RARA fiscal year 2022. A nominating committee, consisting of non-Board members, will prepare a slate of candidates for Officers and Directors. If you would like to nominate someone then please send an email to secretary@rochesterham.org.

Meanwhile, your Board is preparing for the 2021-2022 year.

We are planning for a return to in-person meetings, which we anticipate holding in a "hybrid" mode, where members can choose to participate either in-person or online. To that end, we are seeking an online producer, who will help online participants experience the in-person session in real time. If you can help bring our live meetings online, then please contact any Board member.

Reopening

Although this is a summer of reopening, we do not as yet have a date to return to the BSA for our monthly meetings.

Community facilities are opening, so we are looking forward to in-person sessions of the RARA Academy.

I'm really hoping we can have an in-person Auction in November. And we are planning to go forward with our Winterfest.

Further out, we would like to return to our prior Hamfest venue next June. But we will still have to find a new venue for the Annual Banquet for September.

Until later,
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CALENDAR OF EVENTS

THURSDAY AUGUST 5, 2021 - RARA Board of Directors Meeting
6:30PM ON LINE
Email request for link to secretary@rochesterham.org



EDUCATION

RARA LICENSE COURSES

Karl Heinz Kremer, K5KHK, License Class Coordinator

We are approaching the fall season, and that means that the license classes are starting up again. For this fall, we can offer two classes, and both will be online again, using the Zoom platform:

Technician License Class

This class will begin on Tuesday September 14th, and will run from 6pm to about 8pm for ten weeks (sometimes it goes a bit longer, other weeks we finish early). The instructor for this class will be Karl Heinz Kremer – K5KHK, and the teaching assistant will be Susan Aiello – W2SBA.

General License Class

This class will begin on Thursday, September 16th and will run for ten weeks. The sessions will start at 6:30pm. The instructor will be Freddie Sulyma - WB2GFZ.

The Zoom links will be sent to the registered participants the week before classes start.

Both of these classes are offered free to RARA members. We used to charge \$15 for non-members, but without in-person classes, that is complicated. A membership is also \$15, so for somebody interested in taking the class, that does not make any difference, but we do have a system in place to collect membership fees online. Registration for both classes is required. If you are interested, please send an email to education@rochesterham.org

We are in the last year of the current Technician License test, it will change next July. So if you have the current Technician License Manual, and somebody in your family is interested in becoming a ham, now is the time to do it. Next year you will have to buy a new book.

If you are studying for the Amateur Extra license, and run into problems, please get in touch with our Elmers. We want you to succeed, and we will try to help you as much as we can.

License manuals are available for \$25.

RARA ELMERS CORNER

**Suzanne Bishopp, W2SUZ
Rich Bishopp, KD2UBJ
Elmers Corner Coordinators**

I hope everyone is enjoying their summer! Rich and I are activating a POTA, Parks On The Air, every time we go camping, which is quite frequently. I've overcome my mic fright and can now call CQ, thanks to our Elmers!!

If you need help with something, or advice on anything, please let us know!!! We'll get you in contact with the right Elmer.

We would like to know what topics you would like to talk about during our Elmers Corner. Topics for newbies to the hobby, or topics of interest for the seasoned hams. Send us a note at Elmerscorner@rochesterham.org so we can start setting up a fall lineup which will startup in October.

We will continue with the Zoom meetings on the first Saturday of every month – starting on October 2nd, and hopefully get back to the face-to-face Elmering at the monthly meetings.

We do go off grid for a few days at a time throughout the year but we check in as much as signal coverage allows. See you soon! 73

RARA ACADEMY WORKSHOPS

Jeff Sonstein, KD2RRB, RARA Academy Coordinator

The Academy sessions are in summer recess. Please let us know what you are interested in. Do you have any ideas for new sessions? Should any of the sessions we had over the last few years be re-visited (either because you missed it, or because you want more or different topics to be covered)? You can find out what sessions we ran in the past by going to the RARA Academy page on the RARA web site: https://rochesterham.org/rara_academy.htm - this list goes back to 2018, plus one session from 2014. Is there something you've always wanted to learn, but never got over that initial learning curve speed bump? Here is your chance – just let us know: education@rochesterham.org

MORSE CODE TRAINING

The RXCW Group assists Hams wanting to learn Morse Code or to develop their CW skills.

BEGINNERS MORSE CODE ZOOM CLASSES

Peter Fournia, W2SKY, hosts Morse Code classes on Thursday evenings 7pm. No experience required.

Join the group at any session.

Register at: pfournia@gmail.com

MORSE PRACTICE FOR ALL LEVELS ON ZOOM

Tim Brown, WB2PAY, hosts code practice for all levels on Wednesday evenings at 7pm.

Register at: tjbrown@rochester.rr.com

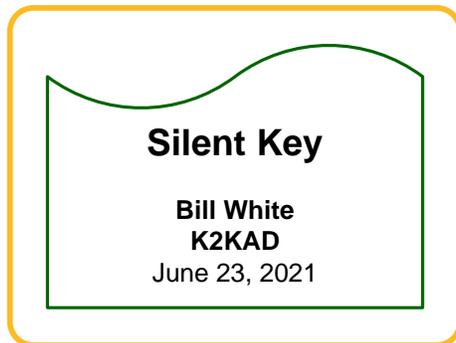
MORSE PRACTICE ON AIR

W1AW - <http://www.arri.org/w1aw-operating-schedule>

RXCWG

Tuesday 4pm 50.250 MHz

To set up a cw sked, contact Peter at pfournia@gmail.com or Tim at tjbrown@rochester.rr.com



PUBLIC SERVICE REPORT

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

The Annual Fairport Lift Bridge Regatta is scheduled for Saturday, September 25, 2021, at the Fairport Crew Club Boathouse, located on the Erie Canal near the bridge on Route 31F (Fairport Road). Racing will begin at 8 a.m. and ends about 3 p.m.



We are looking for HAMS to volunteer their time to provide communications for the regatta. Twelve HAMS worked OK last time but our team captain Mark, KC2UES would prefer a few more HAMS so we can have consistent shadows for racing officials and still have positions available for those who cannot spend an entire day.

We start early—7:00 a.m. This allows everyone to get into position. Locations include the parking lots, start line (near Kreag Road Park), finish line (in Perinton Park), the ARES trailer, and around the boathouse (shadowing race officials). Racing takes a break for lunch, which is provided to volunteers.

In 2018, the regatta had 507 participants from 17 clubs (along with individual racers) competing in 37 races. Twelve individuals (mostly HAMS) handled communications for the races. They were stationed in boats, in fixed positions on land, and as “shadows” for race officials. Some came for the full day, some for part of the day. Almost all used HTs on a simplex frequency to keep the network apprised of the progress of the racing, and pass on news of a small traffic collision at the entrance to the parking, which delayed the start of racing by half an hour. This year we are likely to use a repeater for complete end to end communications.

The master of ceremonies had access to our net in 2019 and the constant flow of information allowed him to keep hundreds of spectators around the boathouse aware of what was happening through the PA system. HAMS are efficient at information transfer—which is what we’re all about. The race officials recognize that we bring communications expertise to the regatta and ask us back year after year.

If you’d like to volunteer, please go to RARA’s public service page and look for the link labeled Fairport Lift Bridge Regatta. Click to the right of the description and this will open a registration form. Thank you to the past volunteers and I

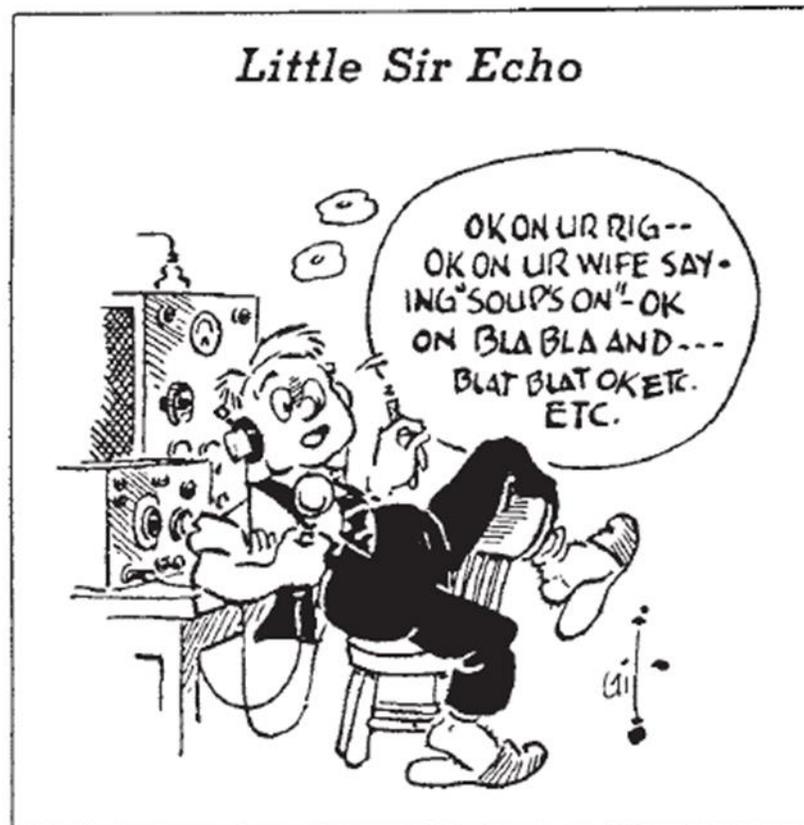
look forward to welcoming you back this year, along with all who'd like to participate in this year's annual regatta. Mark Pedersen, KC2UES, Captain, Fairport Lift Bridge Regatta Communications team.

For more information or to register to participate go to our Public Service page at https://rochesterham.org/public_service.htm or contact Mark Pedersen mpeder21@gmail.com.

Our Pumpkin Patrol event captain, Ed Wilkonski K1EM is making preparations for this year's event. We will again monitor the 16 bridges crossing the New York State Thruway located in Monroe county. The dates for this event are Saturday Oct. 30 and Sunday Oct. 31. For more information or to register to participate see our Public Service page at https://rochesterham.org/public_service.htm or contact Ed Wilkonski wingstwofly@rochester.rr.com.

I have received word from the American Diabetes Association regarding the 2022 Tour de Cure. The plan is to conduct a live event again, but it will encompass the Upstate market which now includes Buffalo, Rochester, Syracuse & Albany participants. The ADA is planning on basing the event at the Xerox campus in Webster as has been done in the past few years. We welcome the opportunity to serve the ADA again in this in-person event.

I will continue to track these events and report any updates that I learn about. For up to date information about all of our Public Service events take a look at our RARA website https://www.rochesterham.org/public_service.



Courtesy August, 1947 QST

Please mark your calendars for our upcoming RARA Public Service Events

Fairport Lift Bridge Regatta	Erie Canal – Fairport, NY	Saturday	Sept. 25, 2021
Ham Radio Demonstration - CTC	Camp Babcock Hovey	Saturday	Oct. 23, 2021
Pumpkin Patrol	Overpasses of the New York State Thruway	Saturday & Sunday	Oct. 30-31, 2021
Holiday Science & Technology Days	Rochester Museum & Science Center	Monday - Wednesday	Dec. 27-29, 2021

QSO TODAY VIRTUAL HAM EXPO

KARL HEINZ KREMER, K5KHK, RARA EDUCATION COORDINATOR

We are finally starting to see the light at the end of the COVID restrictions tunnel. Hamfests are happening again, and we've had our first two in person events with the May 22nd operating event and the July picnic. However, with all the online "stuff" we've done over the last year and a half, some things worked quite well, and one of those is the "QSO Today Virtual Ham Expo". We've had Eric Guth, 4Z1UG, who started this event last year as the speaker for our February '21 monthly meeting. He is doing it again, and there is another iteration of this virtual expo coming up on August 14 & 15. You can find out more about the event here: <https://www.qsotodayhamexpo.com>

This time, there are 90 presentations about all facets of ham radio – including a build-a-thon where you can learn how to solder, or build a 40m receiver. I went through the list of presentations and picked 15 (I wanted to limit myself to 10, but that was too hard) topics that show the wide gamut of the event:

- 1921 Transatlantic Tests: The Shortwave Revolution
- A next generation beacon network to promote VHF/UHF propagation studies
- A Passion for Building Unusual Telegraph Keys
- A Small Transmitting Loop (STL) Design Programming Project
- Adventures with Repeater Builder
- Build Your Own Linear Amplifier - Our Experiences with the Mercury IIIS
- Building Out a Ham Radio Trailer
- Copper and Aluminum Self-Adhesive Tape Antennas
- Getting Started with Amateur Satellites
- HF in an HOA: The BBTD Attic Antenna
- HF Noise Mitigation
- HOA Compliant Antennas for DXCC
- How to Hammer your Next Ham Exam
- No Tools Troubleshooting - True Stories from The Ham Notebook
- Technician Licensees, Life Beyond Local Repeaters

Antenna building is covered, as is history, morse code keys, repeaters, emergency communications, building stuff, and a lot of other things. As you can see, I picked two different presentations about HOA (homeowner association) compatible antennas. I know that for some of our members this is an important issue. So, if you are interested in "stealth" antennas that your neighbors don't know about and therefore don't complain about, there is some information there for you.

The tickets are \$10 now and \$12.50 at the virtual door, and the videos will be released to the public after 30 days.

I will have to miss this event when it's live, but I will watch a number of the recordings afterwards. I may even pay the \$10 so that I get early access to the videos before they get posted for the general public.

PROFESSOR'S PIC(K)S

JEFF SONSTEIN, KD2RRB

[Online Calculators](#)

[Propagation](#)

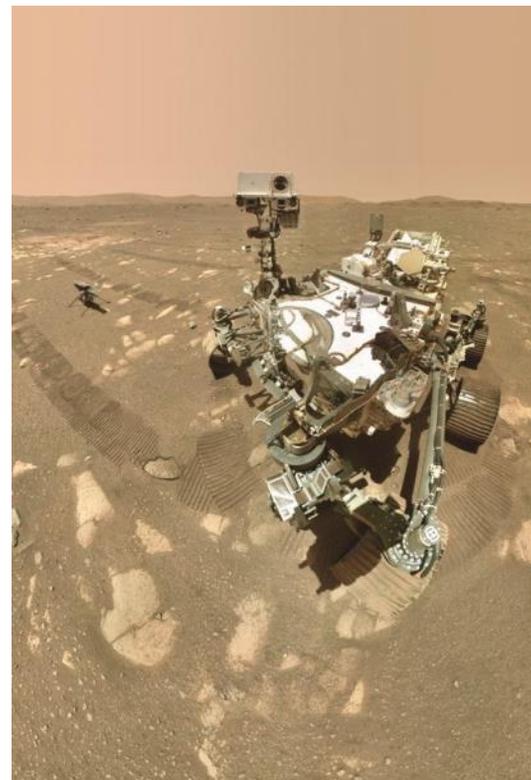
[Ohm Clock](#)

[On All Bands](#)

[Space Weather Woman](#)

[Managing Interstation Interference](#)

Coollest Selfie Ever



RARA NEW HAM SPOTLIGHT MEET MAXX MANNING KD2TOR

SUSAN AIELLO, W2SBA

Maxx was originally licensed at one of the last in-person VE testing sessions before the pandemic shut down all RARA activities. He made the most of his time, achieving his Technician, General and yes, Amateur Extra licenses during this time!



Maxx is 14 years old (12 at the time of his first license in February 2020) and lives with his family in Middlesex, NY. They enjoy beekeeping, horses, goats and more on their farm.

When RARA started opening up to in-person activities this summer, I was introduced to Maxx by another young ham, Joseph KD2VYT. I had a chance to learn enough about Maxx's ham radio journey that I was inspired to learn more and share his story with the RARA community.

Here's what I learned during a zoom interview with Maxx. I hope you also get a chance to meet him sometime on the air or in person!

What is your first memory of Ham Radio and why did you want to get your license?

Maxx was introduced to Ham Radio during a visit to the Antique Wireless Association museum. A radio demonstration led to the loan of an SDR (software defined radio), many months of listening and then it was time to jump in! Studying for the tech exam became a nice father/son activity but Jeff, Maxx's dad, was not as quick a study as his son. Maxx aced the Tech exam on the first try, but

Jeff had to go back a few weeks later and try again. During that time, Maxx began studying for his General, crammed the night before the test, and was awarded it on the day Jeff passed the Tech exam!

What kind of ham radio activities do you currently enjoy?

- Learning Morse Code
- Working on making a contact with the ISS (International Space Station)
- DX-ing (with a first contact in the Azores)
- Participating in Nets like the Maine Potato Net (I looked it up: a rag chew net founded by potato farmers in Aroostook, Maine in the 1970's!)
- Made 200 contacts during the NY QSO Party
- Using an HT for VHF/UHF contacts
- Building QRP radio kits

Who have you encouraged and supported in getting licensed?

Maxx is spreading his love of amateur radio to family and friends. Dad Jeff KD2TTW, and Maxx use ham radio to keep in touch when Jeff is on the road for work. Mom Jessica KD2USR and Maxx's twin sister Miriam KD2USQ (never one to shy away from challenge!) have also been licensed. Jessica is studying for her General so she can get on the air with the Maine Potato Net too. Maxx's new skills in electronics and radio helped Jeff diagnose an electrical overload problem at their home - Maxx really knows his stuff! Maxx is also inspiring other young hams and has found that actually getting a radio and seeing it in action is a great hook; his friend Joseph KD2VYT was inspired to take the RARA Tech class, and both Maxx and Miriam have more friends who think radio is cool and want to get on the air too.

What might (someone) be surprised to know about you? What other interests/hobbies do you have?

While Maxx has a lot of hobbies, ham radio is a primary focus right now. He also enjoys coding, whittling simple tools and toys, and he has become a master at crochet. The fanciful dragon that he created and showed me was really a masterpiece. This kind of craft requires creativity, math, planning, design and skill, and Maxx has it all!

2021 INTERNATIONAL LIGHTHOUSE LIGHTSHIP WEEKEND

DAVID TIMMONS, W2DST



International Lighthouse Lightship Weekend

An annual amateur radio event - ILLW

CQ Lighthouse - CQ Lighthouse - Special Event Station K2R Calling CQ!

The interior of the Charlotte-Genesee Lighthouse is a little small to be used as a ham shack, but the surrounding grounds are well suited for RARA's participation in the 2021 International Lighthouse Lightship Weekend (ILLW) on August 21 & 22.



Did you know that this lighthouse is the oldest surviving lighthouse on Lake Ontario? Many first time lighthouse visitors ask why someone would build a lighthouse on a river, 1/2 mile from the lake. In 1822, that wasn't the case. This life saving beacon was constructed close to where the Genesee River emptied into Lake Ontario. Over the past nearly 200 years, the shoreline moved further north but the lighthouse remains where it was originally put into service. GPS navigation aids and lights on the

Charlotte and Summer-ville piers are now used to guide boaters to safe harbor. This landmark is now certified by the US Coast Guard as a secondary aid to navigation.

This historic backdrop (and great antenna support) will host us once again for the 2021 International Lighthouse Lightship Weekend. Since 1993, ILLW brings amateur radio to lighthouses and lightships for a fun event that brings attention to the hobby and these historic sites. ILLW is NOT a contest. It is a relaxed fun weekend without the pressure of a contest. RARA's participation will focus on:

- Allowing new hams to get on the air and make some HF contacts (Elmers available).
- Allow members to try out their radios with provided antennas.
- Educate the public and recruit new members.
- Contacting other lighthouses and lightships.

Please join us on August 21 & 22, from 11 AM to 5 PM at 70 Lighthouse Street (behind Holy Cross Church on Lake Ave. in the Charlotte neighborhood). We need radio operators, those wishing to learn how to operate, and members to explain to the public what amateur radio is all about. The lighthouse will be open both days for tours from 1 PM to 5 PM. Anyone who can assist with putting up antennas, please meet at the lighthouse at 2 PM on Friday, Aug. 20.



Hand sanitizer will be provided and must be used before operating any club equipment. Please bring your own food and beverages.

LIGHTHOUSE AND RARA COVID POLICY:

- FACE MASK / SHIELD if you have NOT received all of your vaccinations at least 2 weeks before visiting
- NO FACEMASK / SHIELD if you have received all of your shots.

Questions? Contact Dave Timmons, W2DST@arrl.net
Charlotte-Genesee Lighthouse
- <https://geneseeighthouse.org/>

ILLW - <https://illw.net/>



13 COLONIES SPECIAL EVENT

FOREST SHICK, WA2MZG

The 13th Annual 13 Colonies Special Event was held the week of July 1 - 7, 2021.

The previous week, Dave, WA2HOY suggested he was going to participate and that encouraged me to give it a try. This is NOT a contest. Simply try and contact the 13 Colony stations and the 3 bonus stations. The exchange is your Call Sign, their RST and your State.

CALL SIGN	STATE	CALL SIGN	STATE
K2A	New York	K2I	New Jersey
K2B	Virginia	K2J	North Carolina
K2C	Rhode Island	K2K	New Hampshire
K2D	Connecticut	K2L	South Carolina
K2E	Delaware	K2M	Pennsylvania
K2F	Maryland	WM3PEN	Philadelphia
K2G	Georgia	GB13COL	Great Britain
K2H	Massachusetts	TM13COL	France

A special Log Sheet is provided on their web site: <http://www.13colonies.us/>. Just fill in the Date, UTC time, Frequency, RST and Mode. That's it. You have a whole week to try and contact 16 stations. Really - no pressure. Contacting the stations is made easier by using the web site **MY DX SUMMIT**. Simply watch for one of the 16 stations to be spotted and go to that frequency and try to contact them.

OK - so why am I writing this now. You have another easy operating opportunity coming up with the International Lighthouse Lightship Weekend starting on August 21, 2021. See the previous article for more details.

Now back to the 13 Colonies.

I contacted 11 of the 13 colonies. I missed New York, Massachusetts and the 3 bonus stations. But I only tried for a few hours on 2 days near the end of the event.

This event is "home grown". It was started by Ken Villone, KU2US. Ken lives in Conesus, New York. Ken went to grammar school with Bill Marinucci and me, both RARA past presidents. We attended Holy Cross Grammar School - right in

front of the Genesee Charlotte Lighthouse! Ken and I also went to high school together. How cool is that?

The event started in 2009 with 13 special event station operators, 1 for each state and made 12,000 contacts. This year there are over 220 operators and over 200,000 contacts.

The August issue of RadCom, from the Radio Society of Great Britain, has a nice article on the event on page 13. Here is a short quote from the article. "Since the UK was a major historical player in the Revolutionary War, GB13COL from England will present an added positive flair, historical significance and a challenge for radio amateurs to contact."

And as of this writing - I just received my very nice certificate for participating in the event. It is printed on heavy paper and perfect for framing.



RARA ANNUAL PICNIC REPORT

MIKE MOORE, KC2NM

Our July meeting was the Annual RARA Summer Picnic! The weather cooperated with us and we enjoyed each other's company and the chance to do some outdoor operating! We had a fairly large turnout of about 50 and this included representatives of a wide age range.



Quite a few things were different about this year's picnic. To maintain some semblance of social distancing we held the picnic in an open shelter at the Devil's Bathtub in Mendon Ponds Park rather than in a lodge building. We requested that members bring their own food this year and the club provided cooking fires and cooking gloves. The club also provided individual soft drink cans and water bottles.



Devils Bathtub shelter is not equipped with AC power so all of the radios were operated using 12 volt batteries provided by Tim KB1POP. 3 separate operating positions were set up using club and member provided radios and antennas. Karl Heinz Kremer K5KHK had his station set up first and made a CW contact with his Wolf River Coil while the rest of us were throwing wires into trees. His CW contact was with a Parks on the Air activation in Connecticut. He worked Maxx KD2TOR on 2M simplex to demonstrate that mode. Scott, W2LW made 4 contacts on 40M LSB (3 POTA and answered 1 CQ) using the club's end-fed dipole. He demonstrated the operation of the club's FT-450D and his own FT-991A. Tim, KB1POP was operating an IC-7300 on 10 meters.

Toward the end of the picnic we held a drawing for two door prizes. The lucky winners were awarded a copy of the book "All About Ham Radio" and an Arduino Mega development board. Additional entertainment was provided by Larry W2LB who demonstrated his "antenna launcher" and Don, KD2REU who flew his DJI mini drone.



VE TEAM

The next testing session
will be in September

CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	w2ned@frontiernet.net
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Pete Fournia	W2SKY	Penfield	pfournia@gmail.com
Bill Hopkins	AA2YV	Brighton	whopkin4@naz.edu
Bob Karz	K2OID	Webster	rkarz@rochester.rr.com
Joe Rowe	AG2Y	Webster	ag2y@rochester.rr.com
Harry Williams	KF2TV	Webster	harryw7872@gmail.com

RADIO ELMERS

Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Dave Carlson	N2OA	Batavia	kdcarlso@gmail.com
Lawrence Hill	N2AJX	Henrietta	lawrence.hill@rit.edu
Rich Hoffarth	K2AXP		rhoffarth2000@yahoo.com
Bill Kasperkoski	WB2SXY	Pittsford	wb2sxy@gmail.com
Don Kiser	AC2EV	N Greece	dkiser100@gmail.com
Karl Heinz Kremer	K5KHK	Chili	k5khk@khk.net
Tim Magee	WB2KAO	Greece	585-704-5747
Mike Moore	KC2NM		mikemoore@ieee.org
Peter Schuch	WB2UAQ	Perinton	pschuch@rochester.rr.com
Forest Shick	WA2MZG	Webster	fshick3@gmail.com
Dave Timmons	W2DST	N Greece	dstimmons@gmail.com
Steve Verzulli	KA1CNF		verzulli@yahoo.com
Dan Waterstraat	W2DEW	Henrietta	higreen@rochester.rr.com

RARA CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

August 2021						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 Russian WW Multimode Contest Missouri QSO Party SARL HF Phone Contest	2 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest ARS Spartan Sprint	3 RTTYOPS Weeksprint Phone Weekly Test Fray	4 ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test VHF/UHF FT8 Activity Contest	5 RaRa BoD 6:30pm ONLINE ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB\ RTTYOPS Weeksprint NRAU 10M Activity Contest NCCC Sprints SKCC Sprint (Europe) EACW Meeting	6 K1USN Slow Speed Test	7 ROC City Net 28.405 MHz, 7:30p Batavia FT8 Contest (Indonesia) 10-10 Summer Contest, SSB ARRL 222 MHz and Up NA QSO Party CW European HF Championship SKCC Weekend Sprintathon 2M Classic Sprint
8 Batavia FT8 Contest (Indonesia) 10-10 Summer Contest, SSB ARRL 222 MHz and Up NA QSO Party CW SKCC Weekend Sprintathon	9 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest	10 RTTYOPS Weeksprint Phone Weekly Test Fray	11 ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test VHF/UHF FT8 Activity Contest	12 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weeksprint NRAU 10M Activity Contest NCCC Sprints EACW Meeting	13 K1USN Slow Speed Test	14 ROC City Net 28.405 MHz, 7:30p WAE DX Contest, CW QRP ARCI European Sprint SARL Youth Sprint Kentucky State Parrks On The Air Maryland-DC QSO Party 50 MHz Fall Sprint
15 WAE DX Contest, CW FISTSr Sunday Sprint NJQRP Skeeter Hunt Kentucky State Parrks On The Air Maryland-DC QSO Party 50 MHz Fall Sprint SARL HF Digital Contest	16 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest	17 RTTYOPS Weeksprint Phone Weekly Test Fray	18 ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test	19 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weeksprint NRAU 10M Activity Contest NCCC Sprints EACW Meeting	20 K1USN Slow Speed Test	21 ROC City Net 28.405 MHz, 7:30p ILLW at Charlotte Lighthouse SARTG WW RTTY Contest ARRL 10GHz and Up Contest Russian District Award Contest Keyman's Club of Japan Contest Field Hell Sprint NA QSO Party SSB CVA DX Contest, CW
22 ILLW at Charlotte Lighthouse SARTG WW RTTY Contest ARRL 10GHz and Up Contest Russian District Award Contest Keyman's Club of Japan Contest ARRL Rookie Roundup, RTTY NA QSO Party SSB CVA DX Contest, CW	23 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest	24 RTTYOPS Weeksprint Phone Weekly Test Fray	25 ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test	26 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weeksprint NRAU 10M Activity Contest NCCC Sprints EACW Meeting	27 K1USN Slow Speed Test	28 ROC City Net 28.405 MHz, 7:30p ROC City Net Hamfest HI, OH, KS QSO Parties ALARA Contest WW Digi DX Contest YO DX HF Contest WVE Islands QSO Party
29 HI, OH, KS QSO Parties ALARA Contest WW Digi DX Contest YO DX HF Contest WVE Islands QSO Party SARL HF CW Contest	30 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB WW Sideband Activity Contest QCX Challenge	31 RTTYOPS Weeksprint Phone Weekly Test Fray				

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

Monroe County Amateur Radio Emergency Service (ARES)® is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. Anyone interested, members and non-members, are welcome to attend.

Until further notice, our meetings are via Zoom. Please check our website for any schedule changes. Prospective members can request an invitation by email to: secretary@monroecountymcomm.org.

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 PM, on the N2MPE 146.61 MHz (-) 110.9 Hz PL and 444.45 (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC.

There is no net on nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountymcomm.org

Facebook : Monroe County Amateur Radio Emergency Service, Inc.

Twitter @MCARESNY

Severe Weather Alerts: Winter may bring severe weather in the form of heavy snow storms, strong winds, and flooding. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads). We encourage all amateur radio operators to take a free Skywarn TM class offered by the National Weather Service. The schedule of classes can be found at <https://www.weather.gov/buf/skywarn>

Monroe County ARES
Ralph Dutcher, Net Control - KD2BDZ@arrl.net

ROCHESTER DX ASSOCIATION, RDXA

There will be no August meeting.

The next meeting will be Tuesday September 21, 2021 at 7:30pm. Location is TBD. Check our web site: www.rdxa.com.



ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRA will not be having its regular meeting on August 20th due to the Pittsford Town Hall's meeting room still being closed. However, the club is having Zoom meetings on our regularly scheduled meeting nights on the 3rd Friday of each month starting at 7:30PM lasting 40 minutes. All paying and non-paying members should receive an invite in their email. All you have to do is hit the link in your email, or go to zoom in your browser and type in the meeting ID number and pass code and you're in. You may have to install the Zoom client when prompted. Or go to <https://zoom.us/download>. Remember to activate your video & audio from the bottom of the screen so everyone can see and hear you. If you use the android client for your cell phone you will only be able to see a max of 4 pictures on the screen at a time. If you use the windows client you can have as many as you want.

Stay tuned to our web site, www.k2rra.org for current information on whether our meeting place will be available. The elected RRRA officers for 2020 - 2021 are: Bob Shewell, N2HJD, President, Bob ODell, N2BZX, Vice President, ED Wilkonski, KC2WM Secretary, and Bob Smith, NS2B-Treasurer / Membership Chairman. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site. www.k2rra.org

XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club meets the 2nd Thursday of each month. The meetings are 6PM at the Webster Recreation Center. Look for details on our website <http://xarc.us>

ROCHESTER VHF GROUP

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Town and Country Fire Department on Gardner Rd in Horseheads, New York. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month except February on Harris Hill, next to the National Soaring Museum. Both organizations serve amateurs in Chemung, Steuben and Schuyler counties in New York and Bradford and Tioga counties in Pennsylvania. All are welcome to attend our meetings.

NOTE: Both CCARES and ARAST monthly meetings are now being held both in person and online. Check out the Upcoming Events at our website, www.arast.info, for the latest details.

Our 2021 Hamfest is set to take place at the Chemung County Fairgrounds in Horseheads, New York, on Saturday, September 25, 2021, subject to the then current New York State Department of Health guidelines.

Our premier public service event, the Wineglass Marathon, is scheduled for Sunday, October 3, 2021. The Wineglass committee has now confirmed that this year's Marathon and Half Marathon will be "live" events, ending in the historic downtown of Corning, New York. Thus we are again appealing to hams outside our area to help as communicators for these events. There will be openings for operators with either mobile or handheld 2-meter radios. Please contact N2OJM at emergencycoordinator@stny.rr.com if you can help, or if you would like more information.

Don't forget to check out our repeaters when you visit the area. N3AQ 147.36(+) and the W2ZJ 146.70(-) are the principal 2-meter repeaters. The latter can also be accessed via Echolink node 574415 with the call sign KD2QND-R. A full list of repeaters that can be heard in the Twin Tiers area surrounding Chemung County can be found at http://www.arast.info/arast_website/public/repeaters.php.

We also invite you to check out our new 6 meter net on Wednesday evenings at 9 p.m. local time on 50.200 MHz USB. The net usually lasts approximately one hour. Operators are encouraged to check in and participate in the round table discussions or simply stop by from time to time. Topics are wide-reaching and are not confined to 6 meters--although discussions tend to center around 6-meter equipment, antennas, propagation, latest band openings and grid squares worked, as well as AM, FM and FT-8 use of the 6-meter band. We would welcome more participation from the western part of our area.

You are invited to join us on-line & on-the-air! We're here to help you to use the license that you worked so hard to get.



Check out what we do by visiting our website at <http://RVHFG.org> to start.

Join our e-mail group by sending a message to RVHFG+subscribe@groups.io.

Join our weekly on-the-air nets on SSB:
2 meter band - Monday 9 PM 144.260 USB
6 meter band - Thursday 9 PM 50.200 USB

No VHF SSB radio (yet) to join the nets?
Log-in to Echolink ka2ene-L #23426

We can help to answer the question, "What radio should I buy?" Here's a list of HF+++ radios, those with the HF bands and at least three VHF bands, giving you access to all sorts of VHF fun. Research each one to see which serves you best. Ask questions on our email list. We're here to help!

Yaesu FT-100D	Yaesu FT-817	Yaesu FT-818
Yaesu FT-847	Yaesu FT-857	Yaesu FT-897
Icom IC-706MKIIG	Icom IC-7000	Icom IC-7100
Icom IC-9100	Kenwood TS-2000	

Some are older models and some are newer models, but all provide access to the 6 meter, 2 meter, and 70 centimeter bands using both traditional FM and the exciting narrow-band SSB mode that supports unexpectedly long-distance (100's of km's routinely and 1,000's of km occasionally) VHF communication. These are good all-around radios no matter what club you end up affiliating with later. We hope its us.

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in!

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non-club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.

DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

The Keuka Lake Amateur Radio Association will hold their first in person meeting on June 16, 2021 at the Steuben County Veterans Memorial Building in Bath next door to the Civil Defense Training Center at 7pm.

At this time masks are still needed until we hear differently.

ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2nd Monday of the month at the Orleans County Emergency Operations Center, 14064 West County House Road, Albion, NY 14411. Doors open at 6:00PM, meeting starts at 7:30PM. Anyone with an interest in amateur radio is welcome. Program topics vary from month to month.

The club has an open two meter net every Tuesday night at 9:00PM local time on the club repeater, WA2DQL/R (145.27 -600KHz offset, 141.3 tone). Everyone is welcome to check in.

See the club website <http://ocarc.us> or contact club Secretary Ron Craig, N5BNO for more information.

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

- | | |
|--------------------|--|
| CONSIDERATE | Never knowingly operating in such a way as to lessen the pleasure of others. |
| LOYAL | Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally. |
| PROGRESSIVE | With knowledge abreast of science, a well built and efficient station and operation beyond reproach. |
| FRIENDLY | With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit. |
| BALANCED | Radio is an avocation, never interfering with duties owed to family, job, school or community. |
| PATRIOTIC | With station and skill always ready for service to country and community. |

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. There will not be a meeting in August. The next meeting will be Wednesday, September 8th and will be inside at the Safety Training Facility. We will start the meeting at 7:30 PM. Elections for Club Officers will be held at this meeting. Masks and social distancing will be required if you have not been vaccinated for COVID 19. There will be License Exam Testing starting at 6:30 PM. Check the SIARC website for updates. <http://www.siarc.us/>

SIARC is also holding a Health and Welfare NET Monday through Friday each week at 2000 hours on the SIARC 146.820 repeater (located in Canandaigua, NY), Tone 110.9. This net is to pass along general information and keep hams in touch. All hams are invited to participate.

GENESEE VALLEY AMATEUR RADIO ASSOCIATION

Email n3dsp@lafireline.net for details.

INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Visit our website at <http://www.interlockroc.org/>, contact us at info@interlockroc.org, or find us in #interlock on Freenode IRC.

ROCHESTER MAKERSPACE

For more information visit <https://www.makerspacerochester.org/hamradio>

ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

For more information visit <http://www.rochesterastronomy.org/>

RAG ARTICLE LAYOUT HINTS

- Orientation - Landscape
- Main Text Box H - 7.7, W - 10.4
- 2 columns, 0.3 spacing between columns
- Font: Arial
- Title: 20 pt, Bold, Small Caps
- Author: 10 pt, Bold, Small Caps
- Main Text: 10 pt
- Single space after periods
- Text Alignment: Justified
- Title & Author Alignment: Centered
- No special formatting
- Try to limit pictures to the width of a column
- Picture Format: jpg or png
- Document format: Microsoft Word compatible or text. No special embedded formatting.

HF GEAR FOR SALE

YAESU FT-101EE 100W HF TRANSCEIVER
HYBRID WITH 6JS6C FINALS-\$275

YAESU FT-101ZD 100W HF TRANSCEIVER
HYBRID WITH 6146B FINALS \$350

KENWOOD TS-440S 100W HF TRANSCEIVER
BUILT IN AUTO TUNER \$400

KENWOOD PS-30 LINEAR 20 AMP SUPPLY
WITH TS-440 CONNECTOR AND
POWER POLE OUTPUT \$60

KENWOOD R-300 GENERAL COVERAGE
SHORT WAVE RECEIVER \$125

CONTACT TIM BROWN, WB2PAY
585-750-2087

tjbrown@rochester.rr.com

RARA OFFICERS, DIRECTORS AND COORDINATORS

OFFICERS

President: Tim Barrett, K9VB	(646) 496-5015	president@rochesterham.org	Treasurer: Mike Moore, KC2NM	(585) 721-0011	treasurer@rochesterham.org
Vice-President: Brian O'Connor, KA2CGB	(585) 721-2346	vicepresident@rochesterham.org	Secretary: Karl Heinz Kremer, K5KHK	(585) 210-0840	secretary@rochesterham.org

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ACTIVITY COORDINATORS

Club Historian	Ed Gable, K2MP	egable@rochester.rr.com	Membership Secretary	Tim Barrett, K9VB	membership@rochesterham.org
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ROCHESTER AREA RADIO CLUB CONTACTS

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Amateur Radio Association of the Southern Tier (ARAST)

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Community Amateur Radio Club (CARC)

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Digital Communications Association of Perinton (DCAP)

Gary Skuse, KA1NJL: ka1njl@arri.net

Drumlins Amateur Radio Club Ltd. (DARC)

drumlinsarc@gmail.com

Fisherman's Net Amateur Radio Club

Jim Sutton, N2OPS: jim@otrym.org

Genesee Valley Amateur Radio Assn.

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Keuka Lake Amateur Radio Association (KLARA)

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Monroe County ARES / RACES

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Rochester Makerspace

David Duckles: rocmakers@gmail.com

Rochester Radio Repeater Association (RRRA)

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Rus Healy, K2UA: chairman@rvhfg.org

Squaw Island Amateur Radio Club (SIARC)

Steve Benton, WB2VMR: sbenton2@rochester.rr.com

XRX Amateur Radio Club

Brian Donovan, K2AS: k2as@outlook.com

SEPTEMBER RAG DEADLINE AUGUST 15, 2021

Rochester Area Repeater Listing

THE RARA RAG

Published by

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P.O. Box 93333, Rochester, NY, 14692-8333

Hotline – (585) 210- 8910

Website – <http://www.rochesterham.org>

3RD ANNUAL
ROC CITY
Net

80 meter - 3.826 (or about) Wednesday - 7:30 pm Eastern
 2 meter - Bristol 145.11 Repeater Sunday 7:30

HAMFEST

SATURDAY | AUGUST 28 | 7AM

AT THE LOG CABIN RESTAURANT

2445 W Walworth Road | Macedon, NY



FRIDAY

- Meet us for dinner at the Log Cabin on Friday night at 7PM
- RVers and overnights are welcome on Friday

SATURDAY

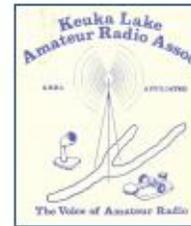
- **Free admission!**
- **Many door prizes** provided by our sponsors
- Food available for purchase inside the Log Cabin Restaurant and through vendors onsite
- 11 acres for radio gear
- Bring your own tables for the swap meet/flea market
- VE Ham license testing

For more information, visit roccitynetfest.com
 Talk In Channel: 145.11 Repeater (110.9PL)

SPONSORED BY



QUESTIONS: Joe Merolillo | k2zx52@gmail.com | 585.402.1153



13th Annual
Keuka Lake Amateur Radio Association

HAMFEST

Saturday, August 21, 2021 Howard, NY

Just off I-86 at Exit 35

follow signs to the Howard Community Center



Special instructions for GPS users:

Some GPS systems will recognize 7481 Hopkins Rd., Howard, NY. Since Howard, NY does not have a post office or ZIP Code, some GPS systems will require 7481 Hopkins Rd., Avoca, NY 14809. Or use coordinates 42.3618,-77.510.

Talk-In
 on the **KLARA**
 Repeater System

145.190 – Bath, NY
 147.045 + Arkport, NY
 147.330 + Cameron, NY
 PL 110.9

Admission
 and
Breakfast

\$5.00 admission includes one outdoor flea market space or one indoor table space. Also available is a full breakfast with eggs and pancakes. Never ending coffee!

Hamfest Schedule

- 7:00 Vendor Admission
 - 7:30 Open to the Public
 - 8:00 Breakfast Begins
 - 8:30 1st Door Prize Drawing
 - 9:00 2nd Door Prize Drawing
 - 9:30 3rd Door Prize Drawing
 - 10:00 4th Door Prize Drawing
 - 10:00 VE Testing
 - 10:30 5th Door Prize Drawing
 - 11:00 50-50 Drawing and More Door Prizes
- Must be present to win prizes



Friday Night Camping

Join us for free on-site overnight camping. Self contained camping units only. No electric. No water. Yes, an enjoyable evening with very friendly hams.

Campers Must RSVP
keukalakeara@gmail.com



KLARA/ARRL Testing

10:00am - a perfect time to get your Ham Radio License or upgrade to General or Extra

Visit us on Facebook:
 Keuka Lake Amateur Radio Association
 Visit us on the web:
klara.us
 Contact us at:
keukalakeara@gmail.com