



# THE RARA RAG

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

JUNE 2022  
VOLUME 74, ISSUE 10

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THE ROCHESTER AMATEUR RADIO ASSOCIATION PRESENTS

## ROCHESTER HAMFEST 2022

SATURDAY JUNE 4, 2022  
AT THE

**HILTON EXEMPT CLUB**

137 SOUTH AVE  
HILTON, NEW YORK 14468

RVs are welcome the evening before, Friday June 3, no hook ups.  
RV parking will be in the main flea market area

Check the [RARA web site](#) and the Hamfest RAG for more details

### RAFFLE

3D Printer  
Buddipole Antenna  
Signalink USB  
Elecraft W1 Wattmeter

RVs Welcome

Country Store

On Site Parking

Admission:  
RARA Members are FREE  
Non-members: \$7  
Under 18 years of age: FREE

Flea Market Opens: 8AM

Vendor Entry: 7AM

Talk-in: K2JD via W2ARM Repeater 146.610/ 444.45 PL 110.9

K2JD

N2EH

W2EOC



FREE VE TESTING

FREE QSL CHECKING

# Rochester Hamfest 2022

## ROCHESTER AMATEUR RADIO ASSOCIATION

SATURDAY JUNE 4TH 2022

HILTON EXEMPT CLUB, 137 SOUTH AVE. HILTON, NY 14468

FOR MORE INFORMATION

VISIT [HTTPS://ROCHESTERHAM.ORG/HAMFEST.HTM](https://rochesterham.org/hamfest.htm)

NON-MEMBER ADMISSION: \$7 PER PERSON

TALK-IN: W2ARM REPEATER

146.610/444.45 PL 110.9

D DX Engineering  
O Gift Certificates  
O Ham Radio Deluxe  
R Gift Certificate  
R QRP Quarterly  
Subscriptions  
And More

Elecraft  
W1 Wattmeter  
Tigertronics  
USB Signalink  
Buddipole  
Antenna  
Creality  
3D Printer

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# ROCHESTER HAMFEST

## 2022

### HELLO FROM THE ROCHESTER HAMFEST 2022 COMMITTEE!



- June 4th, 7am - 2pm
- Hilton Exempt Club
- 137 South Avenue
- Hilton, NY 14468

### WE NEED VOLUNTEERS



#### Friday

- A few hours in the afternoon
- Setting up the indoor space, flea market parking layout, and free parking demarcation

#### Saturday

- Various shifts from 5:30am to 4:00pm
- Ticket sales, Traffic and Parking guidance, Country Store, Cleanup

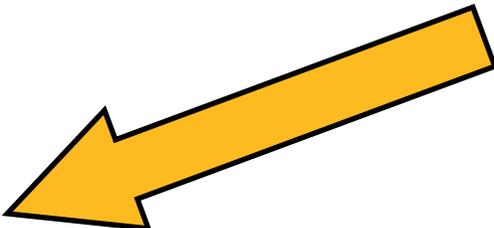
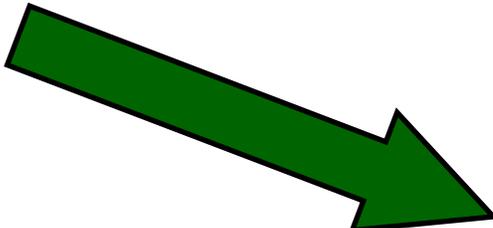
**Please use this form to sign up:** <https://forms.gle/GzVWrsaYzD27L5Un9>

Please mark all times or tasks for which you are available, and leave a comment such as "Interested in working one 2-hour shift. Prefer morning"



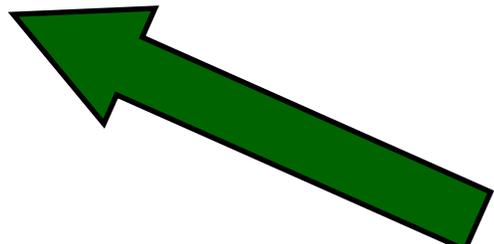
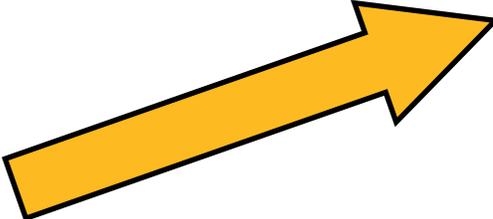
Once people start signing up, we'll put you into specific timeslots and put it on the hamfest site. We'll also send an e-mail to all volunteers to confirm that they are okay with their slots.

Watch future RAGS and <https://www.rochesterham.org/hamfest.htm> for updates.



**NO RARA GENERAL MEETING  
IN JUNE**

**MAKING IT EASIER TO  
VOLUNTEER FOR THE HAMFEST  
AND TOUR DE CURE**



**BUCKET RAFFLE  
TICKETS**

1 for \$1, 6 for \$5, 13 for \$10

**PRIZES**

**ELECRAFT W1 WATTMETER**

**TIGERTRONICS USB SIGNALINK**

**BUDDIPOLE ANTENNA**

**CREALITY ENDER 3V2 3D PRINTER  
AND FILAMENT**

**DOOR PRIZE**

Must be present to win

**PRIZES**

**\$100 GIFT CERTIFICATES**

**MAGAZINE SUBSCRIPTIONS**

**TEE SHIRTS**

**BOOKS**

**AND MORE**

# Membership – Time to Renew!

- RAG Circulation ~5,000
- RARA Membership ~470
- RARA is the 6<sup>th</sup> largest ARRL affiliated club
- **Let's make it the largest!!**
- Renew or join [here](#)
- If you have a problem renewing, please email us at:  
[membership@rochesterham.org](mailto:membership@rochesterham.org)



**Don't Delay, Renew Today!**



## EDUCATION

Karl Heinz Kremer, K5KHK, Education Coordinator

### RARA LICENSE COURSES

Karl Heinz Kremer, K5KHK, License Class Coordinator

We do not currently have plans for license classes in the spring or summer. If you are interested in taking one of our next classes in the fall, please send an email to [education@rochesterham.org](mailto:education@rochesterham.org), and we will put you on the list.

#### **New Technician Question Pool**

The current Technician license test is being retired at the end of June and replaced with a new test with new and modified questions. If you've been working on getting your Technician license, now is the time to get serious about it and finish studying for the test and take the test before that deadline. Otherwise, you will have to start over with the new question pool.

#### **License Manuals**

Even though we are not teaching any classes over the summer, we still have the license manuals available if you want to study on your own. The current editions of the General and Amateur Extra license manuals are available to our members at a discount for \$25. If you are interested, please send an email to [education@rochesterham.org](mailto:education@rochesterham.org)

I usually have some license manuals with me at official RARA events (e.g. the monthly meetings).

## RARA ACADEMY

Please see the article about our May 7th event in this issue of the RAG.

Kevin Denton KD2WXS has volunteered to tackle one RARA Academy session (with the option to stay on for more). Please join me in welcoming Kevin to our RARA Education department. You can reach him at [academy@rochesterham.org](mailto:academy@rochesterham.org). He is looking for input in what our next Academy session should cover. To make it easy for our members to provide such input, Kevin has created an online survey. Please go to <http://tiny.cc/RaRaAcademySurvey2022> and fill out the survey. If this short link should not work, you can also use this link: <https://docs.google.com/forms/d/e/1FAIpQLSfeRvJyAfc2BidWxePLvK1rCjQosS1PV0Ua6m2zETiyPa-w/viewform>

If you are able to actually present such an Academy session, please also get in touch with Kevin at [academy@rochesterham.org](mailto:academy@rochesterham.org).

## RARA ELMERS' CORNER

Suzanne Bishopp, W2SUZ

Rich Bishopp, KD2UBJ

Elmers Corner Coordinators

Thank you everyone for a wonderful RARA Academy on May 7th! We had a great time, we met some new hams, and I think we all learned a little bit more about our hobby – I know I did.

I had many questions on the jargon, or ham talk used during a parks on the air activation or on the radio in general. I have only been a ham for a year, and sometimes I still get tripped up on the ham talk. The best advice I have on this is if you don't understand what someone is asking you, just ask them to clarify. They will explain, and you'll get a giggle out of it, I know I do.

I put together a ham talk cheat sheet that I think might be helpful based on my 1 year experience, so there are more phrases and more Q codes that are primarily intended to be used with morse code, but this is a start.

Ham Talk Cheat Sheet

**Amateur radio informal Q-code**

Q codes have slightly diverted from their original meaning and CW use and are often used as a replacement for a specific word. Here are examples of the most common:

Source: <https://www.giangrandi.org/electronics/radio/qcode.shtml>

<b>QRM</b>	Interference, usually man made
<b>QRN</b>	Noise, natural
<b>QRO</b>	High power
<b>QRP</b>	Low power, 10 watts or less
<b>QRT</b>	Shut down the station
<b>QRZ</b>	Who is calling me? Next station calling me.
<b>QSB</b>	Fading
<b>QSL</b>	Did you copy what I said? Yes I understand what you said.
<b>QSO</b>	Radio contact
<b>QSY</b>	Change frequency
<b>QTH</b>	Location

### Other Ham Talk

73 – Best regards Example: Thanks for the contact, 73

88 – love and kisses Example: Ok Rich, see you later, 88, KD2UBJ, this is W2SUZ, clear.

**Armchair copy** – you're coming in like you are sitting right next to me.

**XYL** – Wife

**YL** – Young lady (female ham)

**CQ** - Calling any amateur radio station

**Handle** – Name; Example: Q-What's your handle? A-Suzanne

### September ELMERS' CORNER

1st Saturday of the month  
September 3, 10AM – 12PM

Join Zoom Meeting

<https://us02web.zoom.us/j/83484674667?pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09>

Meeting ID: 834 8467 4667  
Passcode: 786545

One tap mobile

+16465588656,,83484674667#,,,,\*786545# US (New York)

+13126266799,,83484674667#,,,,\*786545# US (Chicago)

Dial by your location

+1 646 558 8656 US (New York)

+1 312 626 6799 US (Chicago)

+1 301 715 8592 US (Washington DC)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 669 900 9128 US (San Jose)

Find your local number: <https://us02web.zoom.us/u/kiOoVkcMy>

**Barefoot** – no amplifier Example: I'm running my FT-891 barefoot.

**Conditions** – NOT the weather, this means operating conditions Example: Q-What are your conditions? A-I'm running my FT-891 barefoot with an end fed half wave as a sloper from a tree at a park. Add specifics as needed.

If you have any other questions, or just want to practice talking on the radio, give us a shout, and we can get together and play radio with our HTs on simplex or we can set up our HF rig and play POTA.

Now back to the Elmers' Corner. June 4th is the 1st Saturday in June and is the 90th Rochester Hamfest at the Hilton Exempt Club, 137 South Ave. Hilton, NY 14468 from 7:00AM to 2:00PM. We would like you all to have fun in Hilton, so we will not be having an Elmers Corner.

As you might remember from last year, Rich and I go camping many times during the summer, so we take a break from Elmers' Corner at this time. So, we will be seeing you in September, on Labor Day weekend if anyone is around. The 1st Saturday is September 3rd.

We don't want to leave you hanging during the summer, so reach out to us with any questions at anytime to: [elmerscorner@rochesterham.org](mailto:elmerscorner@rochesterham.org), we will do our best to find the right Elmer to answer your question.

Elmers' Corner is for ALL hams! Beginners and experienced hams. Bring your cup of coffee and join us to talk all things radio. We learn new things every month and have fun doing it.

Can't make one of our zoom meetings? That's ok, we record each meeting, so you can watch it whenever you have the time.

## RADIO ELMERS

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

# MORSE CODE TRAINING

DAVE WILSON, WA2HOY, RXCWG COORDINATOR

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

## MORSE CODE COACHING

Request a description of the RARA beginner coaching sessions from [pfournia@gmail.com](mailto:pfournia@gmail.com). You learn on your favorite software and on your schedule and pace. You schedule zoom sessions to review your learning approach including QSO scripts and use of your equipment.

## MORSE PRACTICE FOR ALL LEVELS ON ZOOM

Tim Brown, WB2PAY, hosts code practice for all levels on Thursday evenings at 7:30pm.

Register at: [tjbrown@rochester.rr.com](mailto:tjbrown@rochester.rr.com)

## MORSE PRACTICE ON AIR

Tim Brown, WB2PAY, hosts on air practice on Tuesdays at 2PM on 6M at 50.250MHz.

To set up a cw sked, contact Peter at [pfournia@gmail.com](mailto:pfournia@gmail.com) or Tim at [tjbrown@rochester.rr.com](mailto:tjbrown@rochester.rr.com)

W1AW Code Practice MP3 Files: <http://www.arrl.org/code-practice-files>

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

### W1AW On The Air CW Practice

Time	Mon	Tue	Wed	Thu	Fri
9 AM		Fast	Slow	Fast	Slow
4 PM	Fast	Slow	Fast	Slow	Fast
7 PM	Slow	Fast	Slow	Fast	Slow
10 PM	Fast	Slow	Fast	Slow	Fast

SLOW - 5, 7 1/2, 10, 13 and 15 wpm

FAST - 35, 30, 25, 20, 15, 13 and 10 wpm

FREQ(MHz) - 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, 147.555



Reprinted Courtesy June 1958 QST

## CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	<a href="mailto:w2ned@frontiernet.net">w2ned@frontiernet.net</a>
Tim Brown	WB2PAY	Ogden	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>
Pete Fournia	W2SKY	Penfield	<a href="mailto:pfournia@gmail.com">pfournia@gmail.com</a>
Bill Hopkins	AA2YV	Brighton	<a href="mailto:whopkin4@naz.edu">whopkin4@naz.edu</a>
Bob Karz	K2OID	Webster	<a href="mailto:rkarz@rochester.rr.com">rkarz@rochester.rr.com</a>
Joe Rowe	AG2Y	Webster	<a href="mailto:ag2y@rochester.rr.com">ag2y@rochester.rr.com</a>
Harry Williams	KF2TV	Kingsland, GA	<a href="mailto:harryw7872@gmail.com">harryw7872@gmail.com</a>

# PUBLIC SERVICE REPORT

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

The American Diabetes Association (ADA) Tour de Cure starts and ends at the Xerox Campus in Webster on Saturday, June 11. It runs from 6 AM to 4:30 PM. We are seeking help from all area radio amateurs and I encourage you to sign-up at the [RARA Public Service Page](#) and prepare to participate in this event. There, you can click on the ADA Tour de Cure Sign Up “click” link on the top, right-hand side of the table. This link leads to a Google Form for you to register your participant information. The following Amateur Operators have signed as of May 15, 2022 (AB2OY, K1EM, K2DWA, K2GC, K4GWA, K5KHK, KA1CNF, KB2FSB, KB2NCI, KC2NM, KC2UES, KD2BEC, KD2DNO, KD2HZS, KD2QKU, KD2UBJ, N2PEZ, N2WES, W2COP, W2IT, W2SBA, W2SKY, W2SUZ, WA2FTV). We very much look forward to working together with amateur radio volunteers from [RARA](#), [SIARC](#), [Drumlins ARC](#), and other area groups. There is also at least one ham planning to participate from the Albany area.

Changes are coming to the set of pick-up trucks that we use for the event. Trucks will be provided by the West Herr family of dealerships and we expect a variety of truck types. I have requested a Mercedes Benz for myself (hi hi). In addition to providing the trucks, West Herr is providing drivers and fuel for this event. The bike routes will be the same as was used for 2019 except for the eastern end of the 100 mile ride. That course will go through Wolcott rather than Chimney Bluffs State Park. The map of SAG and Sweep routes is shown following.

I gave a presentation to Orleans County ARC about leading the MS ROC the Ride to be held at Lakeside State Park on Saturday, Aug. 13, 2022. They are interested in taking on this leadership role. I will continue to work with them because this event will be held exclusively in Orleans and Niagara Counties. Because they are a small club, they will need our help in the form of operators for the event. I am very happy to see the list of registered hams including K1EM, K4GWA, KC2NM, KD2KOS, N2IUO, W2SKY.



## Operating Events

Event	Location	Day	Date
Field Day	Various	Saturday, Sunday	June 25, 26, 2022
ILLW	Charlotte-Genesee Lighthouse	Saturday, Sunday	Aug. 20, 21, 2022
JOTA	TBD	Saturday, Sunday	October 15-17, 2021

## Please mark your calendars for our upcoming RARA Public Service Events

Event	Location	Day	Date
Tour de Cure	Xerox, Webster	Saturday	June 11, 2022
MS ROC the Ride	Lakeside State Park	Saturday	August 13, 2022
Fairport Lift Bridge Regatta	Canal, Fairport	Saturday	September 24, 2022
Pumpkin Patrol	Bridges of NYS Thruway	Sunday, Monday	Oct. 30, 31, 2022
Holiday Science and Technology Days	Rochester Museum and Science Center	TBD	TBD

# DONATION TO K2GXT

RARA has long been a supporter of K2GXT - RIT's Amateur Radio Club. In 1952 several students formed the Amateur Radio Association on RIT's downtown Rochester campus. That club continues today at their Henrietta Campus including a club station and repeater system. RARA continues its close relationship with RIT. They have provided space for our Amateur Radio License classes, VE testing sessions and many have joined RARA as members, served in various public service events, and acted club directors and event captains. We recently learned that RIT was conducting their ROAR (Raise Our Annual Responses) Day. Donations received as part of that program are matched based on challenge levels. This year, RARA donated \$250 to K2GXT in order to promote the welfare of amateur radio in the community as stated in our Club Mission Statement.

## GRID TRACKER

DAVE ENRIGHT, K3WHD

Computers have come to play a big part in ham radio, in helping us do digital modes like PSK, RTTY, and now the very famous mode of FT8/FT4. Even the ARRL has gotten into the mode and setup a contest the first weekend in June 2022 for only FT8/FT4. I am always looking for GOOD programs to help make things easier to do something. This program has been around for a while, but as of late has come up with some major changes. They have updated and added many new features to this cool programs.

The program I am referring to is GridTracker and it is free to download. If you are big into FT8/FT4, awards chasing, logging to other programs and of course grid tracking this program is for you.



This is the opening screen of the program and of course you have to do a little setup. I would suggest downloading the manual. Josh that does the Ham Crash Course has a GREAT video by the Author of the program on how to setup and use it: <https://www.youtube.com/watch?v=B4mGq7le3co>

As you can see from my screen shot, this is where my signal was getting out to on 15m. The legend on the right hand side has MANY features that you can turn on & off with a click to use that feature. Just like PSK reporter, GridTracker gives you a bar on the right side to help you know what bands are very active. It has a messaging system, that you can text other folks that are using the program. With a click on the trophy icon you can see your status on the map on each award and how you are doing for each of them.



Source/Sync	Menu?	Startup?	Log?	Details	Test	Result
GridTracker	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GridTracker QSO Logfile		
Local File(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
PSK-Reporter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 Hour History		
QRZ.com	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	API Key [REDACTED]	<input type="button" value="Test"/>	
ClubLog	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Callsign <b>NGOPE</b> Password [REDACTED]	<input type="button" value="Test"/>	
				Email [REDACTED]		
HRDLOG.net	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Callsign [REDACTED] Upload Code [REDACTED]	<input type="button" value="Test"/>	
				*** How to get upload code ***		
Cloudlog	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	URL <a href="http://127.0.0.1/index.php/api/qso">http://127.0.0.1/index.php/api/qso</a>	<input type="button" value="Test"/>	
				API Key [REDACTED]		
eQSL.cc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	User [REDACTED] Password [REDACTED]	<input type="button" value="Test"/>	
LotW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	QTH Nickname <input type="text"/>		
N1MM Logger+	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Login [REDACTED] Password [REDACTED]	<input type="button" value="Test Download"/>	
Log4OM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP <b>127.0.0.1</b> Port <b>2333</b>		
N3JIP Loggers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP <b>127.0.0.1</b> Port <b>2236</b>		
DXKeeper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP <b>127.0.0.1</b> Port <b>1100</b>		
HRD Logbook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP <b>127.0.0.1</b> Port <b>52000</b>		
				IP <b>127.0.0.1</b> Port <b>7826</b>		

This is what two of the tabs look like in the setup menu. As you can see the general tab just needs some basic info.. The logging tab has most of the popular logging web services web and also supports writing to most popular logging programs. The other tabs you will find very easy to follow if you want to set them up.



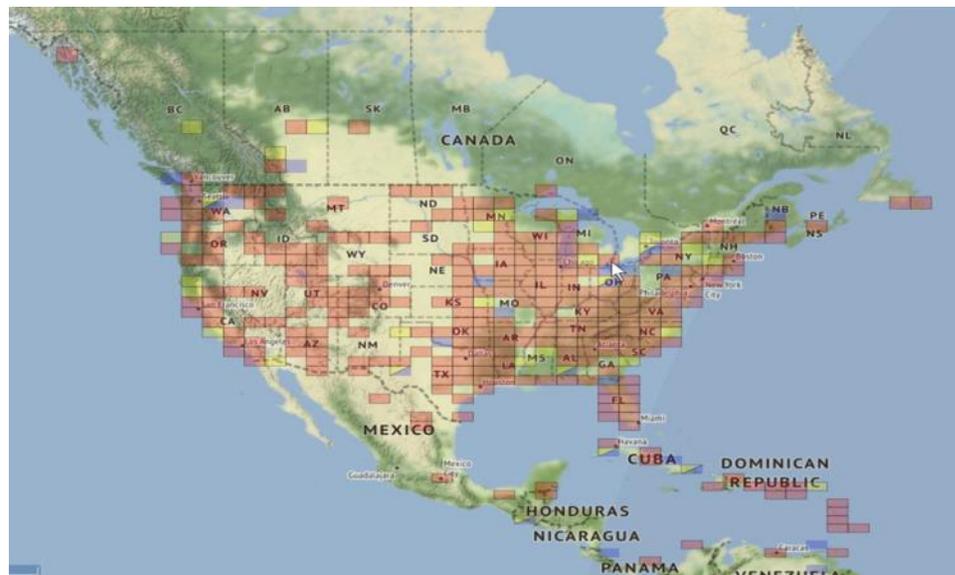
Shaded Grids - user has prior contacts with most of the grids in the past.  
 Solid Grids - it's a NEW grid to the user  
 Normal Grids (Black background) - Are grids you have already confirmed.

Shaded Stations - are stations the user has contacted some time in the past but the contact hasn't been confirmed.

Highlighted stations - are "new" stations for the user.

Call Sign w/Line thru it - They are calls you have worked before on this or other band.

This is the call roster which is very helpful if you're looking for a certain grid, DXCC, country or PX. On this screen you can select your needs on what you want to track and with the different shading, it can help you see what you have or haven't worked.



These are the grids I have worked so far on 12m. If I click on the trophy in the legend a few times it will show me the WAS award and give me the stats on what states I need to complete 12m, along with a LOT more information.

One cool thing I learned to help with tracking grids is in the setup screen, I turned on the feature to display the person's QRZ profile. Many times WSJT-X doesn't have the grid info. So I left click on the grid info on the QRZ info window and then in WSJT-X right click and paste the missing grid info.

This program has too many features for me to cover in this article. Please watch the video and look at the manual to find out all of them.

## XARC/ARES FIELD DAY 2022

BOB KARZ, K2OID

"A Field Day Like no Other"..... That's what Webster Blogger Missy Rosenberry called our joint XARX/ARES Field Day in 2021\*. It's now time for Field Day 2022, and all area amateurs are invited.

Field Day is by far the largest amateur radio event of the year involving more than 25,000 hams throughout the US and Canada along with a handful of DX stations. While nominally a civil defense preparedness exercise, it is also a contest, an educational opportunity, and for some a 24-hour party.

To simulate emergency conditions most field day operations use generators or batteries for power and temporary antennas often set up in fields or parks.

Field Day has something for everyone. Last year we had forty-seven hams participate in one way or another. Some helped to set up. Some ran the "get on the

air" (GOTA) station reserved for new or inactive hams. Some ran the VHF station. Some ran the computer logging network. Some operated the digital station. Some operated CW exclusively. Some operated SSB exclusively. You get the idea.

Last year we ran a GOTA HF station, three other HF stations, and a VHF station.

For us the Field Day exercise runs from 2:00 PM EDT Saturday, June 25th to 2:00 PM EDT Sunday, June 26th with antenna setup on Friday June 24th and equipment setup on Saturday morning. Disassembly starts at 2:00 PM Sunday and is complete by 4:00 PM. Participants need not be present the entire Field Day period. Indeed, most of us are not there the whole time. No experience is necessary. In fact, you don't even need to be licensed to help out.

Our Field Day location will be at the lower soccer fields in Kent Park, 1700 Schlegel Road in Webster. Our Field Day is free. You're welcome to join us whether you're a new ham, a Field Day "veteran", or not licensed at all. Please contact FD Chair Bob Karz, K2OID (rkarz@rochester.rr.com) if you would like to attend.



Ben Kennerknecht, W2BMK operates GOTA Station while GOTA Coach Tim Brown, WB2PAY looks on

\*You can find more information on our Field Day at: [A "field day" like no other | webster on the web](#) (a few minor errors but is a great description of Field Day from a lay perspective)

[W2XRX Field Day 2021 - Google Photos](#) (Photos by Don Vallone, KD2REU of our 2021 FD)

<https://youtu.be/vdQNYnzEdwE> (Video by Don Vallone, KD2REU of our 2021 FD set up)

<https://youtu.be/i6-Gjnwa1DE> (Video by Don Vallone, KD2REU of our 2021 FD operation)

June 2022 QST Field Day 2022 Guide (special section)

## ARES

MICHAEL BOWEN, KC2BTW

ARES (Amateur Radio Emergency Service®) on the National level has Mutual Agreements with:

- American Red Cross
- Boy Scouts of America
- Citizen Corps
- Civil Air Patrol
- FEMA (Federal Emergency Management Agency)
- Salvation Army
- Skywarn (National Weather Service)

On the local level ARES has Mutual Agreements with:

- Red Cross
- OEM (Office of Emergency Management)
- Skywarn (National Weather Service)

Other work we are doing on the local level involves re-defining the method of communication from verbal to Winlink. Paul Conaway (KD2DO) is leading the charge in this endeavor.

One big project we will probably need help with is to replace the ever-present MCARES trailer. Put into service in 2009, it has given 12 years of faithful service, and sadly must be retired due to structural issues. We have started a trailer committee to consider upgrades and what the best solution is to such a work horse.

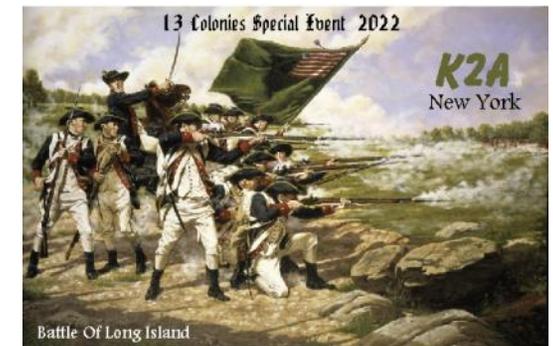
Want to help / get involved in these new endeavors? If so, then refer to our web site, [www.monroecountyemcomm.org](http://www.monroecountyemcomm.org). Training requirements, application, and donation links can be found on the website.

## 13 COLONIES

Coming July 1st - 7th

See the July RAG and their web site for details

<http://www.13colonies.us/>



# RARA ACADEMY HANDS ON EVENT MAY 7, 2022



Pictures provided by Dave Wilson, WA2HOY





Pictures provided by Ev Tupis, W2EV



# OPERATING EVENT FOR NEW(ISH) HAMS AT BLACK CREEK PARK ON MAY 7<sup>TH</sup> 2022

KARL HEINZ KREMER, K5KHK

We had a great event on Saturday May 7th at Black Creek Park. We invited what I like to call "New(ish) Hams". That is of course everybody who got their license recently, or upgraded and received new operating privileges, but also those who've had their license for years, but never really gotten into operating, or those who are eager to learn something new, try a new mode, or learn a new skill.

This is who came to the park: A nice mix of new and seasoned hams. We ended up with 28 attendees and 16 volunteers (15 at the site and one helping from afar). I'd like to thank those who volunteered time and materials to make this a successful event. Here they are in alphabetical order by callsign: Bill AA2YV, Joe AG2Y, Bob K2OID, Paul KD2DO, Rich KD2UBJ, Jon N2JAC, Mike N2MAK, John NV2K, Dave W2DST, Ev W2EV, Susan W2SBA, Peter W2SKY, Suzanne W2SUZ, Forest WA2MZG, and Tim WB2PAY.

Here are some of the things we participated in, demonstrated, and explained and discussed:



- ARDF (Amateur Radio Direction Finding) or fox hunting
- VHF J-Pole antenna building
- HF antennas (they were all over the place)
- Winlink
- FT8
- Parks on the Air or POTA
- CW or Morse code
- Soldering
- Hanging antennas in trees
- QRP on HF
- Portable HF station on a budget
- Programming HTs
- 3D printing and ham radio
- And probably a lot more

We also raffled off some prizes. At the end of the day, our attendees walked away with hopefully a better understanding about ham radio in general, specific modes of operation, and a tip or trick or two.

Here are a few things I've heard while talking or overhearing others talk to the

attendees:

- Can we organize a class to build tape measure Yagi antennas?
- Can a such a tape measure Yagi be used to work satellites?
- We should have an event like this twice a year!
- I would like to get some RARA branded gear (this was mainly due to Suzanne's W2SUZ and Peter's W2SKY nice POTA and RARA windbreaker).
- In addition to programming analog HTs, is there a chance that RARA can provide a code plug for digital radios?

If you have questions like these, please let us know by filling out our RARA Academy survey: <http://tiny.cc/RaRaAcademySurvey2022>

If you want to tackle one of these topics as a teacher or presenter, please also let us know. We are always looking for volunteers who are willing to teach.



One thing I've mentioned to a few people I talked to is the Green Eggs and Hams Net that was started by one of my former students (Joseph KD2VYT started this with his friend Maxx KD2TOR) and is on the WB2KAO repeater (444.85 MHz PL 110.9 Hz) in the Rochester area on Saturday evenings at 7:30pm. You can find out more about it here:

<https://greeneeggsandhams.weebly.com> - this is a very easy way to experience a "net" and get familiar with how to participate in one. If you cannot "hit" the repeater, you can also connect via EchoLink or AllStar (if you don't know what that means, please ask).

Even though the day had started a bit on the chilly side, we ended the day with a nice sunny afternoon, and unlike last year, we were able to pack up while keeping ourselves and our gear dry.

Thank you to everyone who attended, and I hope to see you at our next operating event.



## WINLINK FOR ROCHESTER

PAUL CONAWAY KD2DO

There has been some good activity on both the HF side and the VHF side of the Rochester Area Winlink (RAW) this month. Foremost is that the Internet connectivity, which has been a major bottleneck with the VHF system, has been substantially improved. Thanks to Jon Dickason N2JAC our speed has gone from a barely usable 0.2 mbps to well over 10 mbps. This will also be useful when I finally move the HF system up to the Penthouse at 111 Westfall. The HF system has been working quite reliably as a prototype setup at my home and is now ready to live on its own.

As you may read elsewhere in the RAG, the Antique Wireless Association is working on its Educational Outreach Program. Children who already know how to text on their cell phones will be introduced to sending messages by radio if the cell phone system is overloaded or otherwise not available. Winlink will be the primary tool to do this. We at the AWA are now able to utilize both the HF and VHF Winlink systems. As time goes on we may even purchase a license for high speed VARA for the radios.

At the recent RARA event at Black Creek, there was a demonstration of Winlink. Many newcomers to the ham radio hobby were interested in the concept of Email by ham radio. Additionally many seasoned hams expressed an interest in learning how to set up and use Winlink. Without going into a whole tutorial here, I will just point to the ultimate source Winlink.org. There you will find articles describing Winlink's roll in Emergency Communications, the history as well as all the software you need and the requisite installation, setup and configuration guides.

### Winlink Workday

There are a number of local Winlink users who routinely use the VHF gateway on 145.03 MHz. We have been doing some small training exercises to increase our skills. Recently I asked people to send me an image. This turned out to be a bigger problem than I had expected. A screen shot or even a clipping from your computer makes a very large file. A picture from the camera on your cell phone is 2 Mbytes or more. It takes a very long time to transfer these images. Most of the time that much resolution is not needed. Look elsewhere in this edition of the RAG for an article by Pete Fournia, W2SKY about reducing the size of images for transmitting by radio.



On May 14 there will have been a nationwide communications drill to demonstrate the ability of Amateur Radio to provide accurate and timely messaging by forms using email over radio (Winlink) to further the mission of the many agencies served by amateur radio. This exercise was called Operation **Ashfall** and centered on a hypothetical eruption of a volcano near Yellowstone National Park. Amateurs were asked to check the weather maps in their area and to use a Winlink form to report on the Jet Stream activity overhead. The EmComm Training Organization (ETO) that organized the event, set up clearing houses in each FEMA region to accept the flood of email traffic from Winlink stations all over the country.

Hopefully there will have been some information about this exercise distributed on the RARA reflector in time for some of you to participate.

Results from this exercise will be reported in next month's RAG.

### MARS uses Winlink Express too

In early May the Military Auxiliary Radio System better known as MARS had an exercise where they too wanted to test their ability to gather information from a broad spectrum of Amateurs across the country. Part of that drill was on 60m where the frequencies are shared. Another part called for someone in each area to gather information from a lot of amateurs, i.e. "How far are you from the nearest hospital?" and to report that. Winlink Express played a role here allowing MARSs operators to connect directly by radio only to their message centers.

### Beacon to be readable by APRS

I understand that it may be possible to alter the text of the beacon message that is transmitted regularly by the RMS station at the top of 111 Westfall Road to include some Lat Lon coordinates in such a way that any APRS receiver might hear and log it. This might be a good way to test the coverage area of the VHF Winlink machine.

Rochester Area Winlink Ready and Willing RAW RAW

## RDXA FIELD DAY

Please join the Rochester DX Association (RDXA) as we return to Field Day on the weekend of June 24th. This is Ham Radio's premier exercise and, as a club, probably the most important thing we do all year. This is not only an emergency radio operation event, but just as importantly a venue to get out, work with other Hams and Have Fun! We will be continuing our tradition of operating for 24 hours and making as many contacts as we can.

The club's Field Day Headquarters will be at the flagpole near the old Boy Scouts commissary in Webster Park (999 Lake Rd, Webster, NY 14580). This event is open to the public and we encourage anyone interested in the hobby to stop by and visit. We invite all our Ham Radio brethren from RVHFG and RARA to stop by, enjoy some camaraderie, a refreshment and operate some equipment.

## PAST PRESIDENTS PART 2

**TIM BARRETT, K9VB**

One of our past presidents, Len Gessin WA2ZNC of Honeoye did not manage to come to our recent Old Timers Meeting where we took the annual photo of past presidents but he saw the picture in the May RAG and this prompted him to send me a recent photo. Len was president for the 1978-1979 period. He is now a regular volunteer at the AWA Museum in Bloomfield but does not get to RARA meetings so often these days. Thanks for the update and picture, Len. 73 from the club and hope to see you at one of our events soon!



## OUR ANNUAL PICNIC IS JULY 16TH

Please join us at our annual Summer Picnic in July! The event will be held at the Devil's Bathtub shelter in Mendon Ponds Park on Saturday, 16th July from 11:00AM to 2:00PM. This is always a great occasion and an opportunity to enjoy good food, good company and play with radios! With an open field and surrounding woods, the Devil's Bathtub shelter provides lots of choices for antenna deployments! You are welcome to set up your own rig, or to explore what others have set up. Although there is no AC power at the shelter, we expect to have several 12V batteries available for your use – just bring the correct DC cable for your radio.



This year we are returning to cooking burgers and hots and will also provide cold drinks. The site offers an open shelter, picnic tables inside and outside, and a porta-potty. Feel free to bring folding chairs and/or a pop-up to create your own space! Set up will start around 10:00AM, and the grills will be ready by noon. You are of course welcome to get there early to enjoy the day and each other's company. Hoping to see you there!



# ATTACHED PICTURES OVER WINLINK

PETER FOURNIA, W2SKY

Can pictures be effectively transmitted by amateur radio? This was the focus of an exhibit at the RARA Academy on May 7, 2022. At the exhibit a picture was taken of curious volunteers and attached to a Winlink message. The message was transmitted to the persons' email address and received within a minute of the transmission.

The equipment used was a 4 watt Baofeng UX-5 FM hand held transceiver connected to a Signalink USB sound card / radio interface. Winlink Express was used to compose the message and resize the attached image. Winlink Express is free software that includes many transmission modes including packet for FM and Ardop for HF. The demonstrations used a much faster add on modem called VARA-FM which includes some other features and costs \$65. The setup communicated with the KD2DO-11 Radio Message Server (RMS) on top of the Monroe County Social Services building. It is an internet gateway and operates on 145.030 FM simplex. A 5/8 wavelength antenna was used to assure a strong signal across the 9.5 mile distance from Black Creek Park although the rubber ducky antenna may have worked.



The answer to the above question is yes but the file size must be greatly limited to avoid long transmission times. The picture above was transmitted on 2 meters in about 45 seconds using the equipment displayed in the image. The image is 266 x 162 pixels and was embedded in a 10 KB file. That's a 13.3 KB/minute transmission rate. The original picture was 2560 x 1440 pixels by 24 bit color in a 1,057 KB file. It would take about 79 minutes to transmit the original file. Obviously the file must be resized to enable reasonable transmission times but render a reasonable image quality.

The attached image file size was reduced to 10KB using the resize feature included within Winlink Express. The quality of the resulting image appears rea-

sonable on a cell phone screen but some artifacts associated with image compression are clearly visible on an expanded image. Resizing to 20KB will improve the image to a 453 x 255 dimension but transmission time will be about doubled. Transmission times can vary depending on noise on the channel; however data is not lost as Winlink has automatic error correction.

In short there are 3 ways to reduce the size of an image for sending via radio

- a) Tell your cellphone to take a smaller picture. Here are some Android apps for resizing, cropping, or otherwise reducing the file size of photos and images.  
<https://www.makeuseof.com/tag/best-android-apps-reduce-image-size/>
- b) Here, are several different ways you can quickly and easily reduce the size of an image once you have it on your computer.  
<https://www.makeuseof.com/how-to-reduce-jpeg-file-size/>
- c) If using Winlink, use the built in image reduction tool as mentioned above

I tried to reduce image size further by converting images to B&W. Although this does reduce the file size it does not carry over to Winlink. Apparently the Winlink resize editor sets the pixel size based on the targeted files size but does not take advantage of the opportunity offered by stripping color from the image. File sizes are the same whether color or B&W.

Hams are having fun learning about Winlink by participating In weekly exercises. Most are members of ARES but you don't have to be a member of ARES to participate. You can participate with our Monroe County exercises by contacting an MC ARES member or by sending a request to Paul Conaway, KD2DO.

If you want to see some good examples of image transfer by HF radio go to SWradiogram.net. Every week there are some news stories and lots of images transmitted on International Shortwave that you can decode using FLDIGI.

# RAG PROCESS

FOREST SHICK, WA2MZG, RAG EDITOR

FIRST - Thank you to all the contributors to the RAG. Without all the articles and club announcements, large and small, the RAG would be a small newsletter. Thank you for contributing.

As you can see on page 29, there are now 5 people helping to produce each RAG. Be sure to thank all of them.

For this discussion, any input to the RAG will be referred to as an article. The article might be the Boardz Buzz, your update to the News from Area Clubs, the monthly meeting presentation, the Calendar, RAGs of the Past, items for sale, writing about your favorite ham radio activity, etc.

Let's start at the end and work back to the beginning. The following is a typical timeline for RAG production.

## Day of Month Activity

25<sup>th</sup> The RAG is distributed on the 25<sup>th</sup> of the month so that members may read the RAG before the next RARA meeting which may be as early as the 1<sup>st</sup> of the month.

23<sup>rd</sup> I attempt to give our web master 2 days to post the RAG on the web site and prepare the email document to be distributed on the 25<sup>th</sup>.

21<sup>st</sup> After the proofreaders have returned their comments, I allow myself a couple of days for the final edit and a chance to walk away and then review the RAG one more time before sending it to the web master.

18<sup>th</sup> I send the RAG to the proofreaders for review and feedback. Proofreading and marking up the changes are not a short time project. We all have "real lives" to work around. I try to allow extra time for this step.

15<sup>th</sup> I start laying out the RAG. I really start as soon as I have input, articles. I must read each article and occasionally I contact the author for clarification. I may have to edit pictures or ask for better pictures. This interaction with authors takes time and has to be allowed for. I arrange the articles and pictures in a reasonable flow. After layout and reviewing on the computer, I make a pdf and print it out to see what the newsletter will look like. Then I make the first pass at proofreading. Finally, I make corrections and prepare a 2nd proof to be sent to the proofreaders.

15<sup>th</sup> I email a reminder to many of the contributors that their articles must be received today – the 15<sup>th</sup>. NOTE: The last page of the RAG also states that the deadline is the 15<sup>th</sup> of the month.

10<sup>th</sup> I email a reminder to many of the contributors that their articles must be received no later than the 15<sup>th</sup>.

**JUNE RAG DEADLINE**  
**MAY 15, 2022**

**RARA MEETS AT 7PM ON THE FIRST**  
**WEDNESDAY OF EACH MONTH.**

**FEBRUARY RAG DEADLINE**  
**JANUARY 15, 2014**

This is the process I have been following for the last 8 years and 6 months. It works. The RAG is distributed on time.

Starting with the July issue of the RAG, June 15th, articles received after the 15th may not appear in the RAG.

I will not carry a late article over to the next month. If there is time sensitive information, date of an event, etc., it is not my responsibility to fix your article. The safest method is to require you to send in the article on time.

The only change I am asking you to follow is providing your articles no later than the 15th of the month.

On a brighter subject, Mike Kennerknecht has joined the team as a co-editor. Thank you Mike and we will get through the learning process of sharing duties of RAG layout each month.

# RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN

20 Years Ago, June 2002

In the previous May 2002, issue of the RAG we introduced your new RARA President Marykay Vesco KC2DPG. Mary's initial president's column introduced the rest of the officers and trustees for the 2002/03 season as: Vice-President George Platteter (sk) AA2FO, Secretary Bill Kasperkoski WB2SXY, and Richard Goslee K2VCZ, Treasurer. As Trustees: Dale Fravel N2LWY, Keith Freeberg (sk) N2BEL, Ed Holdsworth (sk) N2EH, Bill Hopkins AA2YV, George Masny KA2GPJ, Greg Michaels KC2GXV and Jack Tripp W2JAT. Marykay closed her column thanking members for their votes of confidence in electing her the first woman President of RARA. The rest of this entire issue was dedicated to the reporting on the recently completed 2002 Rochester Hamfest written by Mr. Hamfest reporter himself, Lloyd Caves WB2EFU (N2PU). Lloyd usually starts writing on hamfest plans a full four or five months in advance of the event and stays on top of things right to the very end. Officially, it was "The Rochester Hamfest and Atlantic Division Convention." Although rain was soaking on Friday afternoon, the rest was most successful. On this date in 2002, the memories of those events taking place on 9-11 were still fresh in the minds of most leaders and it was that thought that brought our ARRL Atlantic Division Director, Bernie Fuller, N3EFN, to award the conventions' Amateur of the Year Award to "All amateurs in the Hudson Division," who took place in disaster communications dealing with the 9-11 emergency. Frank Fallon N2FF, the Hudson Division Director, accepted the award for those people. The 2002 Technical Achievement Award recipient went to Bob Arnold N2JEU, for his November 2001, QST Article entitled "Remote Control of HF Operation over the Internet." Peter Fournia W2SKY, wrote to inform readers that Kristy Dibelka KC2GKE, was the recipient of the 2002 RARA Memorial Scholarship that was awarded at the convention banquet. The official RARA Hamfest photographer was not identified but he or she filled this otherwise short issue. Brad Allen (sk) KB2CHY, writing for the Rochester Radio Repeater Association, told readers of the association's rebuilding of the 28/88 repeater and their use of a Pacific Research Solutions repeater controller. Norm Turner WB2LQB, burned an unusual three pages with his final report on the Spring Licensing class. Norm not only listed each student's individual achievement, but he also had class photos of each class sorted by FCC License goals. Warren Boudrie AA2LQ, wrote an interesting report on a recently completed 19 day AMTRAK vacation. Warren, along with friends Jack W2JAT, Tom N2TOC and their XYL's, combined rail travel and ham radio using nothing more than individual Yaesu VX5 HT's. Warren told of many successful QSO's, many back to Rochester, using IRLP modes and WR2ROC. The combined rail and cruise vacation terminated in Alaska. There were no Silent Keys reported nor were there any individual member Want Ads. Sherwood Snyder W2KFU, Attorney At Law, remained a long term commercial advertiser.



## the RARA RAG

Published by

ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

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### *Have A Great Summer*

#### Election Results

Marykay Vesco, KC2DPG

As the new incoming President of RARA I would like to congratulate the new officers for next season. I am looking forward to working with all of them and to lead RARA so as to continue being the great organization that it is. I want to thank you all in advance for a very active participation in our ongoing efforts to increase RARA membership and make it the biggest and best club around. They are: Vice President—George Platteter, AA2FO; Secretary—Bill Kasperkoski, WB2SXY; and Treasurer—Richard Goslee, K2VCZ; Board of Directors—Dale Fravel, N2LWY; Greg Michels, KC2GXV; Jack Tripp, W2JAT; Keith Freeberg, N2BEL; Ed Holdsworth, N2EH; Bill Hopkins, AA2YA; and George Masny, KA2GPJ.

Congratulations also go out again to George Masny as our new Membership Chairman.

If you have any issues, items, or ideas that you think RARA needs to address, please do not hesitate to contact any officers or board member. We are all here to help make RARA the best ham club around and we can only do it with the help and cooperation from all members. You are an important part of this team so please make your voice be heard and count, as this is a wonderful historic hobby. Lets not let it whither away; help find new ways to keep people interested and gain more new faces in our membership. This is the first time RARA has ever had a woman as the President. Hopefully this will be a great advantage to getting more women as members and interested in our hobby.

Again, congratulations to all!!

#### Rochester Hamfest – 2002

Lloyd R. Caves, WB2EFU

The long awaited Rochester Hamfest/Atlantic Division Convention is now "history." However, with the exception of the bad weather (rain and wind) on Friday afternoon the Hamfest was a huge success in many people's eyes. It is hoped that you are one of those folks and that everyone had a great time. A Ham from the local area even won the grand prize drawing on Sunday. There seems to be a lot of new equipment that will soon be heard on the air and that is great news for many. It is to bad that we now have to wait a full year for the next big event to be right in our own back yard.

If you are one of the thousands of people that attended the Hamfest but did not go to the awards banquet on Friday evening, you missed a great time and a lot of laughs with your friends. Not only that but you missed a great meal as well. The Atlantic Division Director, Bernie Fuller presented the Amateur of the Year award to all the Hams in the Hudson Division that provided many hours of service after September 11<sup>th</sup>. Frank Fallon, N2FF, the Hudson Division Director, accepted the award for these people. There were hundreds and hundreds of amateurs that gave many hours of their time to help others and they greatly deserve this award.

The Awards Committee selected Bob Arnold, N2JEU as the 2002 Atlantic Division Technical Achievement award winner. Bob's work was featured in a November 2001 QST article entitled "Remote Controlled HF Opera-

*(Continued on page 3)*

This issue of the RAG has several results of the just completed 1982, RARA Hamfest as well as a greeting from Editor Ron Jakubowski K2RJ, wishing all readers a happy Summer as the Rag takes its usual Summer vacation. Regarding the hamfest it was reported a success although not a record attendance at just 5,000 happy hams passed through the gates on a picture perfect weekend fostering a perfect Flea Market. Stan Zack K2PSO, Hudson Division ARRL Director, was announced the Ham of the Year. Last year's fiasco, the invasion of the NYS Sales Tax people, due to the hard work of your Hamfest Committee, was a non-issue this year. Ed Holdsworth N2EH, the hamfest facilities Chairman and leader of "Holdsworth Coolies," printed a special thanks to the hundred or so RARA volunteers who set up and tore down the massive Dome Arena, start to finish, in one day! John Golden W2IRG, this year's RARA Picnic Chmn wrote to invite members to the June 5th "fun and food" gathering at Wadhams Lodge in Powder Mills Park. As a result of last month's business meeting you elected the following officers and Directors for the 1982/83 season: President Ed Holdsworth (sk) N2EH, Vice-President Bill Thiel K2KGE, Secretary Al Goss K2SPO and Treasurer Gil Chapin WB2UTI. Trustees: Don Drennon (sk) W2EBF, Irv Goodman AF2K, Ron Jakubowski K2RJ, Alan Komenski AC2K, Harold Munday KD2K, John Schooley (sk) K2NC and Harold Smith (sk) K2HC. At this time there was a Bill in front of the NYS Legislature that would make a law to exempt Amateur Radio equipment from NYS sales tax. In this issue Editor Ron Jakubowski K2RJ, wrote an article describing in detail how to write to your Representative encouraging passing of this Bill. (Hint, it didn't pass) Also published in this issue was a planned list of RARA Public Service events so far for the year: Picnic Jun 5, Susquehannock Pro Rally Jun 12/13, ARRL VHF Contest Jun 12-13, Victor Pony Rally Jun 13, Scotch Bonnet Yacht Race Jun 18, ARRL Field Day Jun 26/27, Batavia Hamfest Jul 11, Mt. Beacon Hamfest Jul 24. Ed Holdsworth (sk) N2EH, Licensing Course Director, wrote a closing report for the just completed Spring 2002 Licensing Classes. Therein he acknowledges and thanks class instructors: Ed Gable K2MP and Bud Young WA2UGE, General Class, Harold Munday KD2K, Advanced Class with Russ Foster KA2NHP and David Payne KA2J with the Novice Class. Ed Mahar WB2ZJY and Irv Goodman were cited for their administrative assistance during the course. The Antique Wireless Association revealed that their move into a new and spacious storage facility, located on the East Bloomfield American Legion grounds, has been completed. A highlight is their new reference library featuring catalogs and Rider's Manuals. The AWA calls this their Annex building. With regret it was reported that B. A. Kendig WA2YCK, was reported a Silent Key. From the Want Ads you could buy a Heath HW-8 QRP Transceiver from John Schooley (sk) K2NC, for \$135.00. A 3/4 page commercial advertisement was taken out to advertise the new Batavia Hamfest (In Alexander, NY) featuring full indoor exhibit areas and an afternoon Boat Anchor Auction.

# The RARA RAG

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## THANKS!

A special thanks to all of you who contributed so much time to make this year's Hamfest the success that it was. I am sure I have not expressed my thanks in person, to all that helped so I extend my appreciation to all of you now. The assistance with everything before, during and after the Hamfest was just SUPER.

Again - Thanks for a job well done.  
*Ed, N2EH*

## HAMFEST ATTENDANCE 5000 STAN ZACK, K2PSO NAMED HAM-OF-THE-YEAR

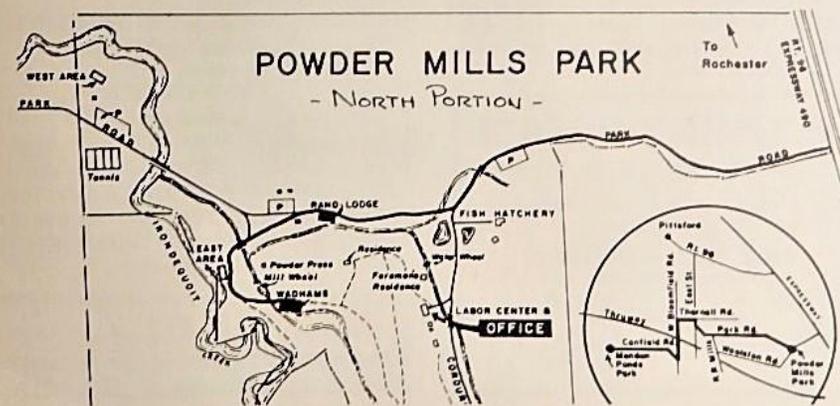
The 1982 Rochester Hamfest is now history, and even though no attendance records were broken, this year's Hamfest must be considered one of the most successful in recent history. The weather could not have been more perfect. The flea market was absolutely the largest ever - we almost ran out of flea market space! Even though there were about 18 commercial exhibitors in the Dome Arena, the crowd was still elbow-to-elbow as they tried to make up their mind what new rig they couldn't do without.

The success of the Hamfest, as measured in dollars and cents, will not be known for several months until all the bills are paid and the books are closed. The cause of last year's problems, the NYS sales tax raid, was not repeated. The sales tax compliance officers visited the hamfest, made their inspection with minimal fanfare, pronounced us in compliance and then left.

At the annual Hamfest banquet Saturday night, Stan Zack, K2PSO, Hudson Division ARRL Director was named Ham of the Year.

## RaRa PICNIC — JUNE 5th POWDER MILL PARK

The annual RaRa Picnic will take place Saturday, June 5th at Wadhams Lodge, in Powder Mill Park near Pittsford. The picnic will be from 2 - 5 p.m. and as always there will be plenty of games, fun and food. The picnic is open to all members and their family or a guest. There is no charge. The annual picnic is one of the membership benefits of RaRa. This year's picnic Chairman is John Golden, W2IRG.



## There will be testing at the Hamfest on June 4, 2022

There will be exams for two hours, from 0900 to 1100 Saturday June 4th.

You must have an FCC Registration Number (FRN), the FCC is no longer accepting SSNs for this purpose. If you don't have one, you can go here <https://apps.fcc.gov/coresWeb/regEntityType.do>

What you need to know:

- **Pre-Registration is highly recommended.** Please make it easier for our volunteers by signing up at <https://hamstudy.org/sessions/62162f49b94ed86bbe7b4676/1>
- **Mask, pen, picture ID required.** Pencil and calculator (optional), but they will NOT be supplied.
- **RARA and Laurel VEC do not charge** to administer, process, or file your exams. However, as of April 19th, the FCC will charge a \$35 fee for new licenses. This information about this fee is e-mailed by the FCC once the paperwork is filed and is NOT collected at the exam. More info from the ARRL on this <https://www.arrl.org/fcc-application-fee>
- The FCC requires an e-mail address. This is usually shared with RARA, but the examiners will not share this information if you request it be withheld.
- If you are ONLY attending for an exam and not the rest of the hamfest, there is no entry fee. Let someone at the entrance know and they'll escort you to the exam room.

## Monthly Testing Will Return In September

# RARA CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

June 2022						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			<b>1</b> RARA BoD Hamfest Prep ROC City Net ~3.840 MHz, 7 pm A1 Club AWT CW Ops Test VHF/UHF FT8 Activity Contest Walk for the Bacon Contest	<b>2</b> ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB NRAU 10m Activity Contest RTTYOPS Weeksprint NCCC Sprints EACW Meeting SKCC Sprint Europe Walk for the Bacon Contest	<b>3</b> K1USN Slow Speed Test PODXS 070 Club Three Day Test FISTS Royal Jubilee Celebration HA3NS Sprint Memorial Contest	<b>4</b> RARA Hamfest, Hilton Exempt PODXS 070 Club Three Day Test FISTS Royal Jubilee Celebration PRG CQ Pride Contest 10-10 PSK Contest Tisza Cup CW Contest RSGB National Field Day UKSMG Summer Contest IARU Region 1 Field Day, CW ARRL Inter. Digital Contes
<b>5</b> PODXS 070 Club Three Day Test FISTS Royal Jubilee Celebration 10-10 PSK Contest Kentucky QSO Party KANHAM Contest RSGB National Field Day IARU Region 1 Field Day, CW ARRL Inter. Digital Contest	<b>6</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS RSGB 80M Club Challenge, Data WW Sideband Activity Contest ARS Spartan Sprint ICWC Medium Speed Test OK1WC Memorial	<b>7</b> RTTYOPS Weeksprint Phone Weekly Test	<b>8</b> ROC City Net ~3.840 MHz, 7 pm A1 Club AWT CW Ops Test VHF/UHF FT8 Activity Contest	<b>9</b> RARA BoD Mtg 6:30pm ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB NCCC Sprints	<b>10</b> K1USN Slow Speed Test	<b>11</b> Tour de Cure, Xerox Rochester DRCG WW RTTY Contest Asia-Pacific Sprint, SSB Portugal Day Contest SKCC Weekend Sprintathon REF DDFM 6m Contest AGCW VHF/UHF Contest ARRL VHF Contest
<b>12</b> DRCG WW RTTY Contest Portugal Day Contest SKCC Weekend Sprintathon GACW WWSA CW Contest REF DDFM 6m Contest AGCW VHF/UHF Contest ARRL VHF Contest	<b>13</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	<b>14</b> RTTYOPS Weeksprint Phone Weekly Test	<b>15</b> ROC City Net ~3.840 MHz, 7 pm A1 Club AWT CW Ops Test VHF/UHF FT8 Activity Contest Walk for the Bacon Contest	<b>16</b> ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB NRAU 10m Activity Contest RTTYOPS Weeksprint NCCC Sprints EACW Meeting SKCC Sprint Europe Walk for the Bacon Contest RSGB 80m Club Champ, CW	<b>17</b> K1USN Slow Speed Test	<b>18</b> Battle of Carabobo Contest All Asia DX Contest, CW IARU Region 1 50MHz Contest Stew Perry Top Band Challenge WV QSO Party Feld Hell Sprint ARRL Kids Day
<b>19</b> Battle of Carabobo Contest All Asia DX Contest, CW IARU Region 1 50MHz Contest Stew Perry Top Band Challenge WV QSO Party WAB 50MHz Phone	<b>20</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	<b>21</b> RTTYOPS Weeksprint Phone Weekly Test	<b>22</b> ROC City Net ~3.840 MHz, 7 pm A1 Club AWT CW Ops Test VHF/UHF FT8 Activity Contest	<b>23</b> ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weeksprint NCCC Sprints RSGB 80M Club Challenge, SSB	<b>24</b> K1USN Slow Speed Test PODXS	<b>25</b> ARRL Field Day UFT QRP Contest King of Spain Contest, SSB
<b>26</b> ARRL Field Day UFT QRP Contest King of Spain Contest, SSB	<b>27</b> AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest QCX Challenge RSGB FT4 Contest	<b>28</b> RTTYOPS Weeksprint Phone Weekly Test	<b>29</b> A1 Club AWT CW Ops Test	<b>30</b> ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB		

# 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](mailto: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 MHz (+) 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](http://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  
George Adams IV, Net Control - [cq@k4gwa.net](mailto:cq@k4gwa.net)

## ROCHESTER DX ASSOCIATION, RDXA

The June meeting topic is Field Day Planning.

Please check our website for up-to-date information regarding meeting locations and requirements, if any.



All are welcome.

Check our web site: [www.rdxa.com](http://www.rdxa.com).

## ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRRA will be having its regular meeting on June 17th at the Pittsford Town Hall's meeting room. Masks are encouraged. Our new bylaws allow us to use any and all electronic means to communicate with our membership. Future meetings will be held on Zoom and in person or just zoom if our regular meeting place is not available.

Stay tuned to our web site, [www.k2rra.org](http://www.k2rra.org) for current information on any changes to our meeting place or meeting presentation subject. At this meeting we will be taking nominations for the club officer positions of Treasurer, Secretary, Membership Chairman and Vice President. All members are encouraged to attend. We are actively looking for a new club Secretary.

The current officers for 2022 are, Bob Shewell - N2HJD - President, Bob Odell - N2BZX - Vice President, and Bob Smith - NS2B-Treasurer / Membership Chairman. RRRRA also accepts donations to the club. If you are not currently a member and want to support RRRRA, you can join at our monthly meeting or on our web site using PayPal. [www.k2rra.org](http://www.k2rra.org)

## XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club is not having in-person meetings at this time. We are having online meetings usually on the second Thursday of the months Sept-June. Get the latest updates at <http://xarc.us>

## ROCHESTER VHF GROUP

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](mailto: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.

## AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

Currently, ARAST meets the third Thursday of every month at the Emergency Communications Center on Harris Hill in Big Flats, next to the National Soaring Museum. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month except February at the same location. 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](http://www.arast.info), for the latest details.

We will be holding Field Day on June 25-26 at our newly renovated location on Harris Hill. If you're in the area, stop in, enjoy the view of gliders taking off, and enjoy the many possibilities of the adjacent park.

Once again, we will be holding the Elmira Hamfest on September 24 of this year. Advance tickets may be purchased online at [http://www.arast.info/arast\\_website/public/hamfest.php](http://www.arast.info/arast_website/public/hamfest.php) and they will be mailed out early in September.

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](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.

## 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/refresher 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

Hello all from Keuka Lake Amateur Radio Association.

We are preparing for our Hamfest August 20, 2022 at the Howard Community Center. The friendliest little hamfest in the Southern tier! Coffee is always on, and guaranteed to have smiles. Camping is free Friday night till Sunday morning. Just RSVP to us so we can save you a spot to camp! Dry Docking only.

We are excited for Field Days June 25 & 26, 2022. This year KLARA will set up at the Hammondsport Fire Station back field where carnival is held in Hammondsport, NY. We are next Keuka Lake so we will not only enjoy radio that weekend but enjoy the view of Keuka Lake! Come join in the fun, stop in to visit and say hello! Some will be outside their campers and others will be under canopies. We look forward to your QSO and can't wait to meet the public and show what Amateur Radio is all about!

## ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2<sup>nd</sup> 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.

## SKENOH ISLAND AMATEUR RADIO CLUB, SIARC

The Skenoh Island Amateur Radio Club and 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. The next meeting will be Wednesday, June 8th. There will not be license exam testing in June. Next exam testing will be in July.

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.

Check the SIARC website for updates. <http://www.siarc.us/>

## THE AMATEUR'S CODE

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

### THE RADIO AMATEUR IS:

- |                    |  |
|--------------------|--|
| <b>CONSIDERATE</b> | Never knowingly operating in such a way as to lessen the pleasure of others.   |
| <b>LOYAL</b>       | 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.            |
| <b>PROGRESSIVE</b> | With knowledge abreast of science, a well built and efficient station and operation beyond reproach.   |
| <b>FRIENDLY</b>    | 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. |
| <b>BALANCED</b>    | Radio is an avocation, never interfering with duties owed to family, job, school or community.   |
| <b>PATRIOTIC</b>   | With station and skill always ready for service to country and community.  |

# RARA HAMFEST SPONSORS PLEASE SUPPORT OUR HAMFEST SPONSORS



When you purchase from one of our sponsors, PLEASE mention RARA and THANK them for their support



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[www.qrparci.org](http://www.qrparci.org)



[www.tigertronics.com](http://www.tigertronics.com)



<https://heilhamradio.com/>



[www.mfjenterprises.com](http://www.mfjenterprises.com)



[www.n3fjp.com](http://www.n3fjp.com)

ALPHA ANTENNA

<https://alphaantenna.com/>



<https://www.buddipole.com/>



<https://cometantenna.com/>



<https://www.easywayhambooks.com/index.cfm>

# RARA OFFICERS, DIRECTORS AND COORDINATORS

## OFFICERS

<b>President:</b> Tim Barrett, K9VB	(646) 496-5015	<a href="mailto:president@rochesterham.org">president@rochesterham.org</a>	<b>Treasurer:</b> Mike Moore, KC2NM	(585) 721-0011	<a href="mailto:treasurer@rochesterham.org">treasurer@rochesterham.org</a>
<b>Vice-President:</b> Scott Theis, W2LW	(845) 774-9809	<a href="mailto:vicepresident@rochesterham.org">vicepresident@rochesterham.org</a>	<b>Secretary:</b> Karl Heinz Kremer, K5KHK	(585) 210-0840	<a href="mailto:secretary@rochesterham.org">secretary@rochesterham.org</a>

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Paul Conaway, KD2DO	(585) 506-5538	<a href="mailto:ConawayNY@aol.com">ConawayNY@aol.com</a>	Mike Kennerknecht, N2MAK	(585) 754-2444	<a href="mailto:makennerknecht@gmail.com">makennerknecht@gmail.com</a>
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Tim Guyot, KB1POP	(585) 406-3163	<a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a>			

## ACTIVITY COORDINATORS

<b>Club Historian</b>	Ed Gable, K2MP	<a href="mailto:egable@rochester.rr.com">egable@rochester.rr.com</a>	<b>Public Service</b>	Mike Moore, KC2NM	<a href="mailto:publicservice@rochesterham.org">publicservice@rochesterham.org</a>
<b>Club Station Trustee</b>	Dave Enright, K3WHD	<a href="mailto:denright1228@gmail.com">denright1228@gmail.com</a>	<b>QSL MANAGER</b>	Dave Enright, K3WHD	<a href="mailto:denright1228@gmail.com">denright1228@gmail.com</a>
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## ROCHESTER AREA RADIO CLUB CONTACTS

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### Antique Wireless Association (AWA)

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### Astronomy Section Rochester Academy of Science

Mark Minarich: [mminaric@rochester.rr.com](mailto:mminaric@rochester.rr.com)

### Community Amateur Radio Club (CARC)

Joe Gangi, AC2NB: [ac2nb.carc@gmail.com](mailto:ac2nb.carc@gmail.com)

### Digital Communications Association of Perinton (DCAP)

Gary Skuse, KA1NJL: [ka1njl@arrl.net](mailto:ka1njl@arrl.net)

### Drumlins Amateur Radio Club Ltd. (DARC)

[drumlinsarc@gmail.com](mailto:drumlinsarc@gmail.com)

### Genesee Valley Amateur Radio Assn.

Bill Boyd, N3DSP: [N3DSP@lafireline.net](mailto:N3DSP@lafireline.net)

### Keuka Lake Amateur Radio Association (KLARA)

Jim Caneen, W2JTC: [jcpilot@localnet.com](mailto:jcpilot@localnet.com)

### Monroe County ARES / RACES

Dave Timmons, W2DST: [secretary@monroecountymcomm.org](mailto:secretary@monroecountymcomm.org)

### Orleans County Amateur Radio Club (OCARC)

Terry Cook, K2EYS: [k2eys@ocarc.us](mailto:k2eys@ocarc.us)

### Rochester Amateur Radio Association (RARA)

Tim Barrett, K9VB: [president@rochesterham.org](mailto:president@rochesterham.org)

### ROC City Net

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### Rochester DX Association (RDXA)

Chris Shalvoy, K2CS: [cshalvoy@att.net](mailto:cshalvoy@att.net)

### Rochester Institute of Technology ARC

Jim Stefano, W2COP: [wireless@mail.rit.edu](mailto:wireless@mail.rit.edu)

### Rochester Radio Repeater Association (RRRA)

Bob Shewell, N2HJD: [bshewell@frontiernet.net](mailto:bshewell@frontiernet.net)

### Rochester VHF Group (RVHFG)

Rus Healy, K2UA: [chairman@rvhfg.org](mailto:chairman@rvhfg.org)

### Skenoh Island Amateur Radio Club (SIARC)

Steve Benton, WB2VMR: [sbenton2@rochester.rr.com](mailto:sbenton2@rochester.rr.com)

### West Side Amateur Radio Club

### XRX Amateur Radio Club

Brian Donovan, K2AS: [k2as@outlook.com](mailto:k2as@outlook.com)

### Interlock Rochester

contact us at [info@interlockroc.org](mailto:info@interlockroc.org)

### Rochester Makerspace

David Duckles: [rocmakers@gmail.com](mailto:rocmakers@gmail.com)

## JULY RAG DEADLINE JUNE 15, 2022

**There is NO RARA meeting for June or July**

**The next RARA meeting will be August 3, 2022**

CONTACT [WEBMASTER@ROCHESTERHAM.ORG](mailto:WEBMASTER@ROCHESTERHAM.ORG) FOR SUPPORT

## Rochester Area Repeater Listing *THE RARA RAG*

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



# 1ST ANNUAL SUMMER OUTSIDE HAMFEST SAT, JUNE 11 2022



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4631 CAMBRIA-WILSON RD (RT425)  
LOCKPORT, NY 14094**



**ENTRANCE FEE: \$8.00 PER PERSON**  
WALKINS AND VENDORS (NO EXTRA COST FOR SELLING)

**GATES OPEN AT 8:00AM**

**VENDORS CAN ARRIVE 1 HOUR EARLY (BRING YOUR OWN TABLES)**

**TALK-IN FREQUENCY: LOCKPORT REPEATER: 146.820(107.2)**

**ALL ANNOUNCEMENTS WILL BE TRANSMITTED ON 147.520MHZ**

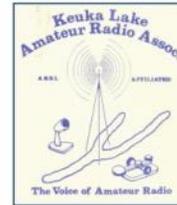
**SERVING BREAKFAST SNACKS FROM 8AM TILL 10AM**

**TESTING FROM 9AM TO 11AM**



**PLEASE, NO PARKING ON THE SOUTH WALL OF THE FIRE HALL. THESE SPOTS ARE RESERVED FOR THE FIREMEN.**

**CONTACT INFORMATION: MICHAEL SCHLEE: 716-240-8826**



14<sup>th</sup> Annual  
Keuka Lake Amateur Radio Association

# HAMFEST

Saturday, August 20, 2022 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](mailto: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](http://klara.us)  
Contact us at:  
[keukalakeara@gmail.com](mailto:keukalakeara@gmail.com)