



# THE RARA RAG

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

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## VIRTUAL HAM RADIO FLEA MARKET ONLINE MEETING AND PRESENTATION

BRIAN O'CONNOR, KA2CGB, RARA VICE PRESIDENT

For the Radio Amateur, 2020 will go down in history as the year with no HamFests. And for the first time in extended memory RARA is not able to hold our traditional live Annual Auction.

Our online meeting this month will therefore feature a Virtual Amateur Radio Flea Market.

Look around your Shack, Workbench, Closet or Garage for that Radio, Antenna, Tuner, Tool,

Test Instrument or Accessory that another ham can put to good use. Take the time to wipe it down and to test it. Take a photo or two. Then pre-register your item(s) as described elsewhere in the Rag.



Please join us for our monthly membership meeting on Wednesday, 4 November at 7:00PM ET. We will review area Ham news, and then begin our Virtual Amateur Radio Flea Market.

To register for the online meeting, please go to [https://rochesterham.org/club\\_meetings.htm](https://rochesterham.org/club_meetings.htm)

Please arrive a little early to ensure your connection is completely set up. See you then !



# BOARDZ BUZZ

SCOTT THEIS, W2LW, DIRECTOR

## Why does RARA exist?

It should seem like a simple question with a simple answer. Today's club is inherited from the clubs before; each year new members are added, some members move away, lose interest, or eventually move on to the SK column. As I joined the club, I sat in the audience and hoped to learn and grow as a ham. Being a kind of restless person, when I saw an opportunity to take on a role other than spectator, I jumped at it and became webmaster. Presumably, at some point in the future, someone else will take that role.

It has taken a while to get a grasp on the club's history and the many members and contributors in its recent history (in other words, become part of the club).

My main goal has been to do what I like the most, sharing my love of electronics with a focus on radio. As I was sifting through the old files in the dump from the previous webmaster (Frank Schramm (WB2PDY), who had done a lot for the club prior to my involvement), I found files related to this thing called the "RARA Academy", largely run by Duane Fregoe (K2SI). I asked then-President, Forest Shick, WA2MZG, about restarting the Academy. As it turned out, the new Education Coordinator Tim Brown (WB2PAY), was essentially thinking the same thing. In two and a half years, Tim and I (mostly Tim) have managed to hold an amazing 20 sessions!

Another goal is to capture as much of the tutelage offered by our members and make it available to the larger amateur radio community and the public. Whether this has been in regular meeting presentations or through the Academy, I wanted to get information in the form of links, slides, and sometimes video posted for the club. In actuality, it has turned out to be a fair amount of work. But I think it is worth it — this is particularly true when I hear someone say, "I found that on RARA's website." The web gives us an opportunity to spread some of what we do and know to a much wider audience with little additional effort or cost.

## What's Been Happening in the Virtual Board Room

Tim's (KV9B) transition from Tim (KB1POP) proceeded rather smoothly, at least by my director's vantage point. Here are a few highlights of activity.

### Can You Hear Me Now?

One of the tasks undertaken by the last board was to come up with a long-term audio plan for when we can finally meet face-to-face again. I am happy to say that the Board approved a measure to fund a new system which will serve multiple purposes for General Meetings, Academies and the Hamfest. As part of this effort, we will be looking for a member or members to take responsibility for setting up and running audio. This something that Tim Guyot and I have been doing since the passing of Brad Allen (KB2CHY) at the beginning of the year. Brad did an excellent job with his own gear, but we felt that it was time for RARA to make a long-term investment in some equipment. Thanks to George Lama (KC2OXJ) and Tim Guyot (KB1POP) for the research they performed on this project.

If you're interested in becoming the A/V person, we will be happy to get you started. It is an important task!

## Technology Grant

Supporting STEM is another notable part of what we do. New grant information has been posted on the web and the board has significantly relaxed the educational requirements and removed the yearly deadline. Applications can be submitted year-round. Information is located at:

[https://www.rochesterham.org/technology\\_grant.htm](https://www.rochesterham.org/technology_grant.htm)

If you see a possible application for the grant, please share this information!

## Club Station

The Club Station Project is getting back into gear after several delays, including COVID. Brian O'Connor and I have been working on a series of options and recommendations for eventual submission to the Board. In some respects, it is a good thing the Club Station planning is still in an early phase, as the COVID-19 restrictions and risks have added a layer of complication to renting and using a location.

## What's Next?

We're getting restarted and back into the groove as restrictions and risks ease. The Board is carrying on with the unfinished work from 2020 and starting new things for 2021. To make it happen, we all need to chip in. We are looking for instructors, presenters, a publicity manager, and more. Each of us has unique talents and things to offer. Ask yourself, is there something of value I can share with the club by donating few hours of my time? Once you break the ice, I think you might find it both fun and rewarding.

As for me, I will be eyes-down on the screen, building a new club database, bit-by-bit.

Why do we exist? To share the love of radio, technology, and community service.

## CALENDAR OF EVENTS

**WEDNESDAY NOVEMBER 4, 2020** - RARA General Meeting  
7:00 PM - ON LINE

<https://attendee.gotowebinar.com/register/1398294427420510476>

**TBD NOVEMBER, 2020** - RARA Board of Directors Meeting  
6:30PM ON LINE

Email request for link to [secretary@rochesterham.org](mailto:secretary@rochesterham.org)



## EDUCATION

TIM BROWN, WB2PAY, EDUCATION COORDINATOR

### RARA LICENSE COURSES

**General License Classes will be held online beginning Thursday January 12th at 6pm - 8pm** for 10 sessions

Class size limited to 12

Pre-register by emailing

[education@rochesterham.org](mailto:education@rochesterham.org)

Presenter will be **Freddie Sulyma, WB2GFZ**

License manuals for Technician and General class are available for \$25. Extra class manuals, are on order.

Order License Manuals by emailing:

[education@rochesterham.org](mailto:education@rochesterham.org)

### MORSE CODE TRAINING

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

**RXCWG PRESENTS:**

**CW - THE ORIGINAL DIGITAL MODE**

This presentation will be held online Thursday November 12th at 7pm.

Presenter will be **Bob Karz, K2OID**

Pre-register by emailing

[education@rochesterham.org](mailto:education@rochesterham.org)

Morse Code Training Resources and information may be found at

<https://www.rochesterham.org/rxcwg.htm>

### RARA ACADEMY WORKSHOPS

#### AMATEUR RADIO EMERGENCY COMMUNICATIONS

This presentation will be held online Saturday November 21st  
10:00am to 12:00pm

Presenter will be **Jim Herbst, KC2KNJ**, Past President of Monroe County ARES, Radio Center shop foreman, and Chief Electronics Technician (retired) with Coast Guard.

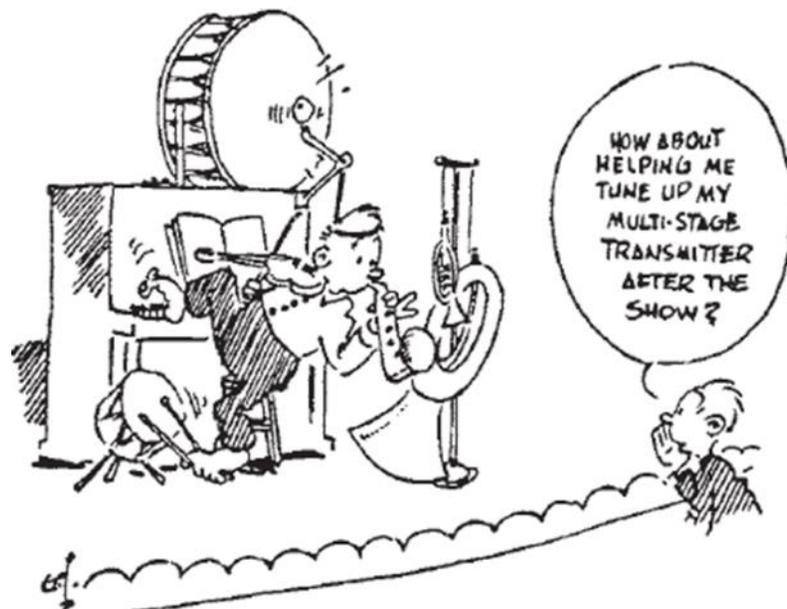
Pre-register by emailing

[education@rochesterham.org](mailto:education@rochesterham.org)

### ELMERS

RARA's Elmers have a wealth of Ham Radio knowledge and expertise.

If you have a technical or operational question, let the RARA Elmers help you. Send your inquiries to [education@rochesterham.org](mailto:education@rochesterham.org)



Courtesy November 1941 QST

# PUBLIC SERVICE REPORT

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

The Pumpkin Patrol event was described in last month's RARA Rag. This event contributes to the safety of travelers on the New York State Thruway and it will take place at about the time that the November RARA Rag should appear. It is a statewide event and is held in cooperation with the New York State Troopers. Hams are assigned a post at each of the Thruway bridges in Monroe County. The Pumpkin Patrol nets will be conducted on the N2NPE ARES repeater 146.61 PL 110.9. Ed Wilkonski K1EM is the event captain for this event and he has filled the volunteer slots for all of the bridges. If you are following the net on October 30 and 31 you may use the map located at the following link to see the bridge locations and operator call signs as they make their reports.

[https://www.google.com/maps/d/u/0/edit?mid=1DjwYhkroh-tk\\_q30UzRBKUKi0h8gBvso&usp=sharing](https://www.google.com/maps/d/u/0/edit?mid=1DjwYhkroh-tk_q30UzRBKUKi0h8gBvso&usp=sharing)

We continue to work with the Rochester Museum and Science Center to determine if the Holiday Science and Technology program will be held this year. They would like to put on an activity during the holiday school break but have not released a plan as of this writing. Our tentative schedule is shown below.

Holiday Science & Technology Days	Rochester Museum & Science Center (In Planning Stage)	Saturday - Monday	December 26 - 28
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## 2020 VIRTUAL FLEA MARKET INFORMATION

This November is the first time in extended memory that we are unable to hold our traditional live Auction. Therefore our meeting this month will feature an online virtual Ham Radio Flea Market.

Similar to the Auction, or the Hamfest Country Store, RARA is creating connections between sellers and buyers.

Note that all sales will be private transactions to be agreed, settled and delivered between buyer and seller. RARA will not be involved after the online meeting and there will be no fees or commission due to RARA (although donations will be welcome).

### Sellers

Only offer items related to Amateur Radio. Please limit yourself to two (2) items for sale. Take a picture or two of each item.

For the best visibility of your sale item(s), please pre-register. Send an email

containing

- your name and callsign
- item make and model
- item condition
- asking price
- attach a photo or two

to [Auction@RochesterHam.org](mailto:Auction@RochesterHam.org). Seller pre-registration will close one hour before the start of the meeting.

During the meeting, we will rotate through the submissions in order of receipt. When it's your turn, we will display your pictures and you will "go live" to describe your item and answer questions from the audience

### Buyers

During this virtual Ham Radio Flea Market, you will be able to ask the seller questions live, online, during the meeting, or later by phone or email.

Be prepared to write down the seller's contact details so you will be able to follow-up on an item which interests you.

Any RaRa items will be sold on an "as-is, where-is" basis.

Feel free to contact [Auction@RochesterHam.org](mailto:Auction@RochesterHam.org) with any questions.

### Finally...

Join us and have fun!



# ONE MORE THING OR TWO

FOREST SHICK, WA2MZG

In last month's article, "A HANDY WORKBENCH" I forgot to mention that the store I purchased the bench in was Lowes and the brand was Kobalt.

During my presentation at the October meeting the question came up concerning the meaning / relationship of  $2^n$  and  $2^n-1$ .

Here is a bit more information for clarification—I hope!

We were discussing a 12 bit A/D and D/A.  
 $n = 12$ , therefore  $2^{12} = 4096$ .  $2^{12}-1 = 4095$ .

If you look at the hex number  $4096 = 0x1000$  and  $4095 = 0xFFFF$ . 4096 requires 13 bits to express it and we are only using 12. The numbers represented by 12 bits range from  $0x000$  to  $0xFFFF$  or 0 to 4095. You must remember that the 1st value is 0 and the 4096th value is 4095. Everything fits in 12 its.

The second part of the question was determining the step size relative to the reference voltage.

Typically, the reference voltage is divided by  $2^n$  or in this case 4096. If the reference voltage is 3.3 volts then one step is  $3.3 / 4096 = 805.6\mu V$ .

What does that mean?  $0x000 = 0V$ ,  $0x001 = 805.6\mu V$ , and  $0xFFFF = 3.29919V$

## MY TOP 10 HAM RADIO ROOKIE MISTAKES (SO FAR)

DON VALLONE, KD2REU

We all make mistakes, sometimes more often than we care to admit! Some of you have been hams for so long that you probably can't remember (or don't care to remember) what it was like to be a newbie. I've only been licensed for a couple of years now, so my mistakes as an inexperienced ham are still all too painfully clear. I made so many mistakes during my first year as a licensed ham that I thought it might be fun to pass them along to our community for grins and giggles. And who knows - maybe there are still some rookies out there that might benefit from my embarrassment! So, here goes... This month's installment of my TOP 10 Ham Radio Rookie Mistakes! Can you relate to any of these?

### #10. Baofeng "UV-5R"

OK, I won't knock everyone's' first ham radio. After all, the Baofeng is a great introduction to the world of ham radio operation. You know as well as I that the Baofeng is gateway drug! However, all Baofengs are NOT created equal. If you MUST purchase a cheap HT (and yes, it was my first radio too) be aware of the

BaoFengTech.com



Certain Models are NOT Compared as they are Reproductions or Clones (Such as the UV-82L or UV-89)

Visit BaoFengTech.com for More Information



	Original	UV-5R+ - Cosmetic Variants	BF-F8+	BF-F8+ - Cosmetic Variants	BF-F8HP
	1st Generation UV-5R	1st Generation UV-5R	2nd Generation UV-5R	2nd Generation UV-5R	3rd Generation UV-5R
UV-5R Accessory Compatibility	Works With All UV-5R Accessories	Limited Battery Compatibility	Works With All UV-5R Accessories	No Battery Compatibility	Works With All UV-5R Accessories
PCB (Printed Circuit Board)	UV-5R 1st Gen Board	UV-5R 1st Gen Board	UV-5R 2nd Gen Board	UV-5R 2nd Gen Board	UV-5R 2nd Gen Board
MAXIMUM Power Output	4 Watt	4 Watt	4-5 Watt	4-5 Watt	8 Watt
LED Light	1st Gen LED Light	1st Gen LED Light	2nd Gen LED Light	2nd Gen LED Light	2nd Gen LED Light
Speaker	700mw	700mw	700mw	700mw	700mw
Compared to the UV-5R	Original	None - Cosmetic Only	Minor Upgrades	Minor Upgrades	Re-Design
Frequency Mode	136-174 / 400-480Mhz	136-174 / 400-480Mhz	136-174 / 400-520Mhz	136-174 / 400-520Mhz	136-174 / 400-520Mhz
Case Quality	'Rugged'	'Rugged'	'Rugged'	'Rugged'	'Rugged'
Display	Tri-Color	Tri-Color	Inverted, Privacy Display	Inverted, Privacy Display	Tri-Color
Channel to Frequency Mode	VFO Button	VFO Button	VFO Button	VFO Button	VFO Button
Push-to-Talk Switch - Options Below	Single	Single	Single	Single	Single
Part 90 Compliant	No	No	No	No	No

many different models that are out there. Because they are so cheap (many under \$30), you won't get much in the way of advertising and details from eBay and Amazon distributors. My first radio cost \$35 on Amazon and when I received it I couldn't transmit or receive on any frequencies above 146.2 MHz (despite the fact that it was advertised as a dual band transceiver). The only way I could even investigate the problem was to purchase a separate programming cable, which leads into my second mistake.

### #9. Programming Cables

The same warning that goes for Baofeng radios also goes to programming cables. Sure, you can buy a Baofeng radio for as little as \$24, but you will NOT get a programming cable with your radio and you'll need to quickly learn how to program the radio manually...which can be very time consuming and limit your ability to scan channels that you could be missing. You can get a programming cable cheap enough, but you need to be aware that there are more counterfeit cables out there for sale than authentic ones. I bought one on Amazon for about \$13 and was disappointed to find that it



wouldn't even recognize the radio using CHIRP (which is a great free software application to program your radios). I did some research and learned that the manufacturer purposely altered the chipset so that "fake" cables could not be used. So I went back to Amazon and looked specifically for one that claimed it was original OEM with the Baofeng logo and found that it would cost me about twice the price of a fake cable (about as much as the radio itself cost me). Now imagine my surprise when I connected it to my radio and discovered that it too was a FAKE!! At this point I've spent way more on fake cables than I spent on the radio, which I was also suspecting might be a fake (after all, these are made in China)! If by some chance my radio was a not a fake, then it was at least defective (and don't expect to be able to return a defective radio to Baofeng for repair or replacement). I got by for a short while without using the frequencies above 146MHz until I accepted the fact that I needed to just bite the bullet and buy a new radio. After researching the cable issue extensively with several other Baofeng users, we were able to identify an authentic OEM programming cable and I purchased my THIRD cable, which again cost approximately the same as the radio itself. This time it worked! Here's the link in case you are in this same boat:

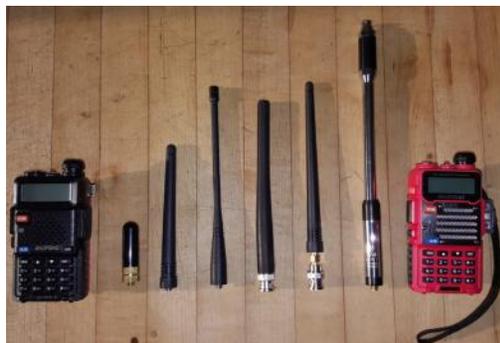


[https://www.amazon.com/BTECH-PC03-Genuine-Programming-Cable/dp/B00HUB00NK/ref=sr\\_1\\_1?child=1&keywords=BTECH+PC03+FTDI+Genuine+USB+Programming+Cable+for+BTECH%2C+BaoFeng%2C+Kenwood%2C+and+AnyTone+Radio&qid=1602767437&s=electronics&sr=1-1](https://www.amazon.com/BTECH-PC03-Genuine-Programming-Cable/dp/B00HUB00NK/ref=sr_1_1?child=1&keywords=BTECH+PC03+FTDI+Genuine+USB+Programming+Cable+for+BTECH%2C+BaoFeng%2C+Kenwood%2C+and+AnyTone+Radio&qid=1602767437&s=electronics&sr=1-1)

Not only did the OEM cable work to program my radio, but it also helped me to discover that my first radio was not defective or fake...it was just programmed out of the factory to limit the usable frequencies - maybe because it was intended for use in a different country?

## #8. HT Antennas

Now I had two working radios! Later I would discover that was a good thing because I could use them for working satellites, but at this point I still couldn't even work the local repeaters! Why you ask? Well, it's all about the antenna. And the cheap antenna that comes with the Baofeng is short and not terribly powerful. I learned that they made antennas with coiled elements that could effectively wrap a long antenna into a small footprint. Now this time I had done some research and knew to look for certain reputable brand names. I found a Diamond tri-band "stubby" antenna for about \$12 that promised extra coverage. The next valuable lesson I learned



was not to trust \$12 radio parts, especially when they get delivered from China. I also learned that there were fake antennas out there too. My new antenna, with its "gold" connector looked great on the radio and made it a whole lot easier to carry the radio on my belt. However, the performance was laughable. I tested it with a friend as we were leaving a radio meeting together. As we were parked side-by-side in the parking lot I was loud and clear. He pulled out of his parking spot and that was the last he ever heard me! My signal broke up about 50 feet away from him and he never heard me again. I eventually found a Nagoya (don't ask...who knows what it really is) telescoping antenna that was advertised as "high-gain" for about \$19. It's long and clumsy to use but it works great. It's become part of my "go kit" for portable use. I'm sure there are great antennas out there, but there was a limit to what I was willing to pay to put on a \$24 radio (which I had already invested over \$100 in)! One of the lessons here is to just start out with the \$69 Baofeng, which comes with 8Watts, a decent antenna, and a real programming cable. After spending a lot more than \$69 so far on radios and antennas, I still only had a radio with 5Watts, no matter how long the antenna was.



TO BE CONTINUED...

Next Month: Used equipment and base antenna install nightmares!

## PROFESSOR'S PIC(K)S

JEFF SONSTEIN, KD2RRB

Ham Radio Song??

<http://dwightsullivan.com/music/hamradiosong.mp3>

Hello Solar Cycle 25

[Solar Cycle 25](#)

Car PiHat

[Pi Car Interface PCB](#)

NOAA Supports the Deaf and Hard of Hearing Community

<https://www.weather.gov/wrn/dhh-safety>

HF Prediction Tools

[http://www.sws.bom.gov.au/HF\\_Systems/7/1](http://www.sws.bom.gov.au/HF_Systems/7/1)

[http://www.sws.bom.gov.au/HF\\_Systems/6/5](http://www.sws.bom.gov.au/HF_Systems/6/5)

Lego Submarines

<https://youtu.be/dolTvEnjy4>

Air Quality Map

<https://flowingdata.com/2020/09/29/air-quality-mapped-over-time/>

Hard Disk Hacking

<https://spritesmods.com/?art=hddhack&page=3>

# VOLUNTEERING

FOREST SHICK, WA2MZG, RARA PAST PRESIDENT

## OUR MISSION

The ROCHESTER AMATEUR RADIO ASSOCIATION is a non-profit educational organization of amateur radio enthusiasts.

The core mission of the Rochester Amateur Radio Association is to:

- ▶ **Provide** value to the community, (FCC Part 97.1.a) "focuses services as a voluntary noncommercial communication service, particularly with respect to providing emergency communications."
- ▶ **Promote** scientific education and knowledge of radio engineering and communication skills by facilitating the exchange of information, improving individual operating efficiency and strengthening the welfare of amateur radio in the community.
- ▶ **Encourage** camaraderie by providing a forum for members to meet and exchange information, share experiences, and socialize with one another.

The Rochester Amateur Radio Association assures success by having an organization with a focus on its goals, a system of leadership development, prudent financial management and a vision toward and dedication to public service. It supports an organized and comprehensive educational program and publicizes its activities and services to the community.

An interesting challenge and opportunity for any organization – finding volunteers. I mentioned this at the beginning of my presentation during our October meeting and Brian, KA2CGB, our VP, has asked if I would write a short note in the November Rag.

We have another area which is in serious need of volunteers – **CLUB SERVICE EVENTS**.

It is not the responsibility of our Board of Directors to handle every event and every aspect of every event – the Membership Must Volunteer.

We, us, our members generously volunteer for Public Service. Reading the submissions to the RAG from Mike Moore, KC2NM, Public Service Coordinator, it is sometimes a challenge to find volunteers. In the end, he usually gets the people he needs – Excellent!

While our membership has been very active and generous with their time volunteering to staff public service events, the concern of this article is people volunteering to provide meeting presentations and RARA Academy presentations. Presentations require people with subject matter experience or expertise.

RARA has 500 members and the Rag has a distribution of over 4500. With that many people involved in RARA, you would think finding a knowledgeable presenter would be easy. It is not. Ask our past and present VP's!!

Brian, KA2CGB and Tim, WB2PAY, Education Coordinator, are both constantly looking for presenters. They do not know nor have contact with as many knowl-

edgeable people as we do collectively. 2 vs 500 vs 4500.

Read this again - They do not know nor have contact with as many knowledgeable people as we do collectively. 2 vs 500 vs 4500.

What do YOU know? WHO do you know?

- Please consider yourself, your friends and contacts
- Might they provide an interesting presentation?

A presenter should;

- Be knowledgeable in the subject of the presentation.
- Works in that area or
- Have practical experience from work or the hobby
- Be successful in work or hobby.

Amateur Radio is made up of people that learn by experience – building, writing software, moon bounce, satellite tracking, antenna, portable operation, experimenting, etc. You do not have to be Joe Taylor and create WSJTX. Share what you do know and have experienced. Share your knowledge / talent. We want to learn from YOU.

- Please consider your friends and contacts.
- Might they provide an interesting presentation?
- Ask them – they have ideas.

The subject may not be amateur radio directly but a topic of interest. Weather and Astronomy are not directly amateur radio but the topics are interesting and related such as Sky Warn or Radio Astronomy.

Reach out - Ask a friend - Contact a supplier.

AND

Don't forget, YOU may have an interesting topic to share. Ask Tim or Brian to review your ideas.

## ARRL SET OCTOBER 2020

RALPH DUTCHER, KD2BDZ

First and most important, Monroe County ARES participated in our second ARRL Simulated Emergency Test.

I had been watching for SET information for a couple months and it didn't appear on the ARRL website until shortly before the test. Fortunately, a member stepped up and developed an exercise we could do without much guidance from the ARRL, and with most participation happening from home. Because of the late information from the ARRL, we were not able to incorporate ARRL objectives into the exercise. We would, in the future, like to include these in the exer-



# PPQP: THE PUMPKIN PATROL QSO PARTY (OCTOBER 30 AND 31)

EV TUPIS, W2EV

In "days gone bye", there seemed to be plenty of shenanigans Friday and Saturday night of Halloween. Hardly a year would go by without hearing reports of pumpkins being dropped from bridges onto the roads below, resulting in significant safety concerns.

Amateur Radio's Public Service "DNA" came to the rescue with: The Pumpkin Patrol. Each year, volunteer Amateur Radio operators donate time each night to oversee strategic thruway bridges across the region. The result? To the delight of law enforcement agencies, significantly fewer "bridge-based shenanigans".

Volunteers begin their bridge-shifts after nightfall and stay alert until around 11 PM, checking-in to a repeater "net control" every half-hour and empowered to report any abnormal activity immediately to 911.

Still, it isn't always easy to remain alert through this entire period. That's where we can help!

Introducing: the Pumpkin Patrol QSO Party; a 1-hour on-the-air activity designed for fun with the purpose of helping these volunteers stay as alert as possible. We can participate from the comfort of our own home!

On both Friday, October 30 and Saturday, October 31 from 9PM until 10PM, activate on 146.49, 52, .55 and/or 146.58 SIMPLEX (not a repeater) and make contact with as many "Bridgies" as you can. You give them your callsign and

Grid4 and ask for their Callsign, county and bridge number.  
Example:

Home Station: CQ PPQP, this is W2EV.  
Bridgie: W2EV, this is N2BNE. I'm on Monroe #9.  
Home Station: Roger, N2BNE this is W2EV. I'm in FN03.

It's just that easy!

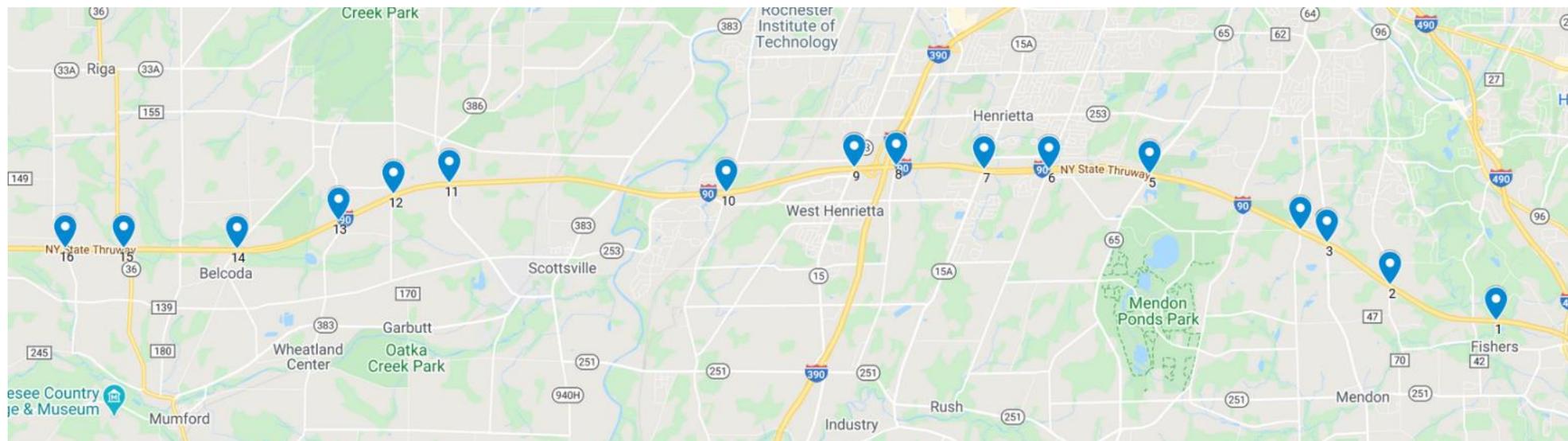
This is not a contest. The only guidelines are:

- (1) only QSO's with bridge-deployed volunteers count
- (2) QSO's can be repeated each night (people you contact on Friday can be re-contacted on Saturday).

Home stations are encouraged to keep a log and to send it to [W2EV@yahoo.com](mailto:W2EV@yahoo.com). If I receive enough logs, results will be tabulated for a future RARA Rag.

Let's all show support for ARES/RACES and the Pumpkin Patrol volunteers on October 30 and 31! Join the PPQP at 9 PM each night.

The PPQP is brought to you by your friends in the Rochester VHF Group as part of our "give back" efforts to thank the clubs that supported us in our 70th anniversary last year.



# RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN

20 Years Ago, November 2000

The then current RARA Vice President, who traditionally acted as Program Chairman for the year, that being Peter Fournia W2SKY, wrote to introduce Dick Goslee K2VCZ and Ed Gable K2MP, who both continued their long tradition of acting as Auctioneers at the November RARA Annual Auction night. In this issue Peter also very correctly acknowledged the services of Brad Allen, KB2CHY (sk), our long acting audio engineer who not only set up a well working dual wireless microphone system for the night, but did so with his personally owned equipment at no cost to the club. Dick Goslee was not only busy as Auctioneer this month, but as Membership Chairman he also wrote a nice informative piece on how the dues cycle works and how easy it is to renew your membership at any meeting night or via the mail. Richard also mentioned that RARA has received an additional \$214.00 in tax deductible donations from folks sending a few extra dollars with their dues money. Your RARA President Keith Freeberg N2BEL (sk), wrote a long piece introducing the Greater Rochester Area Youth Net (GRAYN) to the local ham community. Operating for just one session so far, the net, meeting alternately on the .79 or .88 repeaters is for and by area youthful amateurs and has topics again by the young operators who act as net control stations. Leading this new activity is Josh, KC2FGP, who is currently grooming new NCS stations. But wait! Keith is not done yet as he filled another half page with an article introducing the year 2000 National Weather Service Special Event. That national event found NWS radio amateurs trying to contact as many other hams in a 24 hour period using any band and mode. Keith Freeberg, having two articles published herein, means Lloyd Caves, WB2EFU, now N2PU, did not have his usual high word count standing in his RagChew column. Lloyd's observations of changes in ham radio interests and trends were often the genesis of his writings and he has shared such keen observations throughout his Rag writing career. They always make good reading. George Platteter, AA2FO (sk), wrote telling of plans for license testing sessions and included a complete schedule of such sessions scheduled for the next nine months. Testing at this time was held at 111 Westfall Road and had a fee of \$6.65. On the front end of testing we found Norm Turner, WB2LQB, writing for RARA's License Classes where code instruction and theory sessions were scheduled during this fall term for Extra, General and Technician examinations. DX News was a regular column written by Ed Gable K2MP. This month Ed reported on workable entities of KH5K, 5V7, 4S7, 4W, XU and more. Good band conditions were being much enjoyed at this time. Regretfully we missed a nice rare DX'pedition of 3B8RF on Brandon Island due to political unrest, a happening that DX'ers would encounter more and more as the decades moved on. One positive DX theme at the time was the ever increasing use of six meters by DX'ers world-wide. The next phrase you normally read here is "with regret..." but this issue had no Silent Keys to report nor were there any personal Want Ads. Sherwood Snyder, W2KFU (sk), Attorney At Law, remained a long term advertiser.



## the RARA RAG

Published by  
ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL.53

NOVEMBER 2000

NO. 3

### Annual Auction - November 3<sup>rd</sup>

Peter Fournia, W2SKY

Auctions have never been this much fun! This year, as in the past, we will have two extremely knowledgeable and entertaining auctioneers. Dick Goslee, K2VCZ, and Ed Gabel, K2MP, along with an expert audio engineer Brad Allen, KB2CHY at the amplifier controls. These fine amateurs will amaze you with their knowledge of the equipment they are selling. Done with great humor and levity you may think you are attending the "Dick and Ed comedy hour"! Kidding aside, these guys really know the ins and outs of radio equipment. If you have questions about a piece of equipment, ask these guys before the auction begins.

This auction is a great opportunity to find that elusive and inexpensive piece of equipment you have been looking for. Conversely, it's a great opportunity to unload that surplus equipment in your shack. We ask that you be considerate when selecting the items you offer for sale.

Doors will open at 7:00 PM. Sellers come early to place your equipment on the tables provided by the club. Buyers come anytime between 7:00 and 8:00 PM to preview the selections and plan your buying strategy. There will NOT be a RARA business meeting so the auction starts promptly at 8:00 PM. Following are a few rules to keep the auction going at a good pace and assure everyone is treated fairly.

RARA will assess a 10% fee on each sale. The seller pays the fee from the proceeds of the sale. Both the seller and the buyer must come to the treasurer's table as soon as the item is declared "sold" by the auctioneer. You must be a RARA member to gain entrance to the auction. Membership renewals can be done at the auction. Each paid member may bring one guest to the auction. Please respect the auction protocol, NO PARKING LOT SALES or SALES PRIOR TO THE START OF THE AUCTION. This event will benefit the club and is an important fundraiser for paying our bills. Donations to RARA are tax deductible.

Treat yourself to an entertaining Friday evening with your ham radio friends. Doors open at 7:00 PM at the Henrietta Fire Hall, 3129 E. Henrietta Road. Refreshments will be available.

### Is This Your Last Issue Of The RAG?

Richard Goslee, K2VCZ

The membership period for RARA starts the first of September each year and continues through the end of August the following year. The final membership expiration each year is October 31, which includes a 2-month grace period for payment of your dues. Check the address label on your current issue of the RAG for your expiration date. If it shows OCT. 2000 your dues have not yet been received (as of October 10) for the year 2000-2001, and this will be your last issue of the RAG. In addition you must be a current PAID UP member of RARA to participate in the auction at the November meeting so now is a good time to send your check.

You may pay your dues at any RARA meeting or send them along with your membership application to RARA, P.O. Box 93333, Rochester, NY 14692-8333.

RARA would also like to take this opportunity to thank the many members that have taken the opportunity to include a Tax Deductible Donation to RARA along with their dues payment. So far we have received \$214.00 in donations. Thank you very much.

### RARA Auction

November 3, 2000

Henrietta Fire Hall,  
3129 E. Henrietta Rd.

#### Auctioneers

Ed Gable, K2MP

And

Dick Goslee, K2VCZ

Carrying on an already long tradition the November meeting was the annual RARA ham auction with Ed Gable, K2MP, and Ray Demers, W2KVP, as auctioneers. This issue had a rare half page cartoon style meeting poster showing an auctioneer (no mention of which one) banging his auction gavel squarely upon the top of a just sold item causing untold damage. There is no record of who the artist is but Al Mumby, WB2MCP (sk) was known to do periodic art work for the Rags of this time period. President Otto Bluntzer, WB2RJB, in a letter to ARRL President Harry Dannals, W2HD, forwarded to League Headquarters a copy of locally produced Ham Radio Public Service Announcements. These professionally produced PSA's were the result of the combined efforts of RARA, WHEC-TV's Bob Erskine, W2NVZ (sk) and Paul Tanner WA2MVT. Included in this issue was a survey by Jim O'Brien, K2UDP, requesting input on how many members would be interested in purchasing RARA membership QSL cards. Lee Vangrol, WA2YEK, reported on plans for the February 14th Valentines Day Dinner Dance to be held at the Beahan Road Party House. Enjoyment of a four piece band and a steak dinner for \$12.00 was in the offering. Writing for the RDXA was Rick Berg, WA2RLQ, reporting that the November meeting would feature Dr. Jack Williams, K2JFV, who would share his recent experience of a just completed trip to China. The Rochester Radio Repeater Association (RRRA) was represented by Frank Cannon, N2AFP, who reported that their next meeting would be a field trip to the new fifth floor communications center at the Public Safety Building. VHF Group Chairman Tom Richmond, WA2IEY (Now VE3IEY) and VHF Group Transverter Project Leader Doug Wilson KA8IGS, reported that the 432 Mhz transverters were now being built at the K2JD facility on Westfall Road. With regret it was announced that Ray Jobes, W2IM, was reported as a Silent Key. Ray was remembered as an Engineer at first WVET Radio, then WVET-TV and finally Page Airways as an Aviation Radio mechanic. Also lost was Van Wuyckhuyse W2CR, an early Rochester ham with over forty years of ham radio experience. He was very early to use and promote HF mobile operation and as an accomplished DX'er was found to be on top of the ARRL DX Honor Roll. Webster hams remain today indebted to Van for his early legal sparring with the Town to remove highly restrictive zoning that prohibited even modest ham radio antennas. From the Want Ads you could buy an Atlas 210X HF Transceiver from Len Gessin, WA2ZNC. JR Amateur Radio, of Scottsville Road, remained a long term commercial advertiser.

# The RARA RAG

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## ANNUAL RaRa AUCTION NOVEMBER 7th MEETING

by D. H. Drennan, W2EBF

The November RaRa meeting, as usual, will be devoted entirely to an auction. Also this year, as usual, the auction will take place at the Rochester Police and Fire Academy on Scottsville Road opposite the Monroe County Airport. Ed Gable, K2MP, and Ray Demers, W2KVP, will be the auctioneers.

To assist in promoting an effective and efficient operation the following guide lines should be followed.

- (1) Clearly label or identify each item or box of goodies.

- (2) Include your Name and Call Sign.
- (3) Indicate an opening price and whether or not you wish the item to be "Chinesed" should there be no bids.
- (4) State whether the item is in "working condition" or "needs work", etc. Items other than those in common amateur use should include a note indicating any information which will help the auctioneers present your item in an informative manner.

Immediately after each item is sold, both the buyer and seller should step up front where necessary exchange will be made. RaRa will receive 10% of the final price for each transaction. The club welcomes donations of items to RaRa to boost the treasury.

(Continued on page 2)

# VE TEAM

Testing Restarted on Saturday October 17th

At a **NEW LOCATION**

Damascus Shriners  
979 Bay Rd, Webster, NY 14580  
With COVID Restrictions  
Please Read Carefully!

A **COVID Questionnaire**

Must be Filled Out Either On-site or  
Prior to Attending

Online Preregistration is required  
The session size is limited to 20

Click to register:

<https://hamstudy.org/sessions/5f8c96d9cc5c8ad22d5fb2d6/1>

Applicants must supply their own PPE  
(Mask is a minimum), pen, pencil, calculator and  
be COVID negative and symptom free

Testing begins at 10:00AM.  
Testing is free!

## 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	Webster	<a href="mailto:harryw7872@gmail.com">harryw7872@gmail.com</a>

## LICENSE TEST RESULTS

Jacob Beha	KD2UWD	T	Charles Belfield	KD2TMR	G
Susan Aiello	KD2UWE	T	<b>Aidan LeMay</b>	KC1NZR	T
Dale McConnell	KD2UWF	T	<b>Daniel Seefeldt</b>	KD2UWG	T
Randol Bivens	N2SRF	E			

New licensees names are in BOLD

Next Testing Session  
Saturday November 21, 2020

## 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>
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
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>
Dan Waterstraat	W2DEW	Henrietta	<a href="mailto:higreen@rochester.rr.com">higreen@rochester.rr.com</a>

# RARA CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

November 2020						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>1</b> Silent Key Memorial Contest NA SSB Sprint Contest Classic Exchange, CW High Speed Club CW Contest K1USN Slow Speed Test UK/EI DX Contest, SSB	<b>2</b> AWA Net 145.110 MHz, 7pm ARS Spartan Sprint RSGB 80M Contest Series, Data WW SSB Activity Contest	<b>3</b> Phone Fray Classic Exchange, CW QRP Foxhunt RTTYOPS Weeksprint	<b>4</b> RaRa Monthly Mtg ONLINE 7pm ROC City Net 3.810 MHz, 8pm CWOps Mini-CWT Test VHF/UHF FT8 Activity Contest	<b>5</b> RaRa BoD 6:30pm ONLINE ARES Net 146.610 MHz, 7pm NCC RTTY Sprint RTTYOPS Weeksprint NCCC Sprint SKCC Sprint Europe NRAU 10M Activity Contest	<b>6</b>	<b>7</b> IPARC Contest CW Ukrainian DX Contest ARRL Sweepstakes, CW SKCC Sprintathon RTTYOPS Weekend Sprint AWA Bruce Kelley 1929 Party
<b>8</b> IPARC Contest SSB Ukrainian DX Contest ARRL Sweepstakes, CW SKCC Sprintathon AWA Bruce Kelley 1929 Party K1USN Slow Speed Test 4 States Group 2 <sup>nd</sup> Sunday Sprint	<b>9</b> AWA Net 145.110 MHz, 7pm WW SSB Activity Contest	<b>10</b> Phone Fray QRP Foxhunt RTTYOPS Weeksprint	<b>11</b> ROC City Net 3.810 MHz, 8pm CWOps Mini-CWT Test VHF/UHF FT8 Activity Contest RSGB 80M Contest Series, SSB	<b>12</b> ARES Net 146.610 MHz, 7pm NCC RTTY Sprint RTTYOPS Weeksprint QRP Foxhunt NCCC Sprint	<b>13</b>	<b>14</b> WAE DX Contest, RTTY PODXS 070 Club Triple Play 10-10 Fall Contest, Digital CQ-WE Contest AWA Bruce Kelley 1929 Party OK/OM DX Contest, CW J1DX Phone Contest
<b>15</b> WAE DX Contest, RTTY PODXS 070 Club Triple Play 10-10 Fall Contest, Digital CQ-WE Contest AWA Bruce Kelley 1929 Party OK/OM DX Contest, CW J1DX Phone Contest Homebrew & Old Time Equipt Pty	<b>16</b> AWA Net 145.110 MHz, 7pm RSGB FT4 Contest WW SSB Activity Contest	<b>17</b> RDXA 7.30pm Online RTTYOPS Weeksprint Phone Fray QRP Foxhunt	<b>18</b> ROC City Net 3.810 MHz, 8pm CWOps Mini-CWT Test	<b>19</b> ARES Net 146.610 MHz, 7pm NCC RTTY Sprint RTTYOPS Weeksprint QRP Foxhunt NCCC Sprint	<b>20</b> YO International PSK31 Contest	<b>21</b> ARRL EME Contest ARRL Sweepstakes, SSB LZ DX Contest All Austria 160M Contest RSGB 1.8MHz Contest SARL Field Day Contest RTTYOPS Weekend Sprint
<b>22</b> ARRL EME Contest ARRL Sweepstakes, SSB LZ DX Contest SARL Field Day Contest K1USN Slow Speed Test	<b>23</b> AWA Net 145.110 MHz, 7pm WW SSB Activity Contest	<b>24</b> RTTYOPS Weeksprint Phone Fray QRP Foxhunt	<b>25</b> ROC City Net 3.810 MHz, 8pm CWOps Mini-CWT Test UKEICC 80M Contest	<b>26</b> ARES Net 146.610 MHz, 7pm RSGB 80M Contest Series, CWNCC RTTY Sprint RTTYOPS Weeksprint QRP Foxhunt NCCC Sprint	<b>27</b>	<b>28</b> ARRL EME Contest CQ Worldwide DX Contest, CW RTTYOPS Weekend Sprint
<b>29</b> ARRL EME Contest CQ Worldwide DX Contest, CW	<b>30</b> AWA Net 145.110 MHz, 7pm QCX Challenge					

# 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.

On even numbered months the meetings are held at the Monroe County EOC, 1190 Scottsville Rd. (Media Room, 2nd floor, north end). On odd numbered months we meet at the Red Cross, 825 John St.. W Henrietta. at 6:00 PM. Please check our website for any schedule changes.

If the doors are locked, call WB2EOC on the 146.61 MHz (-) 110.9 Hz PL repeater.

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](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  
Ralph Dutcher, Net Control - [KD2BDZ@arrl.net](mailto:KD2BDZ@arrl.net)

## ROCHESTER DX ASSOCIATION, RDXA

We will hold a zoom meeting on Tuesday 20 November.



For additional information on upcoming meetings and events, please, Check [rdxa.com](http://rdxa.com) for details

## ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRRA will not be having it's regular meeting on November 20th due to the Pittsford Town Hall's meeting room being closed.

Stay tuned to our web site, [www.k2rra.org](http://www.k2rra.org) for current information on whether our meeting place will be available.

The elected RRRRA officers for 2019 - 2020 are, Bob Shewell, N2HJD, President, Bob ODell, N2BZX, Vice President, Ed Wilkonski, KC2WM Secretary, 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. [www.k2rra.org](http://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

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

ARAST meets the third Thursday of every month at the Town and Country Fire Department on Gardner Rd in Horseheads New York. Chemung County ARES (CCARES) meets the first Tuesday of the month except February on Harris Hill, next to the National Soaring Museum. See <http://www.ccares.info> for details. CCARES serves the entire area in Chemung, Schuyler and Steuben counties and all are welcome.

Our new website is up and running, although future enhancements are still planned. Check it out at <http://www.arast.info>.

Both CCARES and ARAST monthly meetings will be held online until further notice. Check out the Upcoming Events on [arast.info](http://www.arast.info) for particulars.

Our 2020 Hamfest, which was scheduled to be held this year on September 26, 2020 at the Chemung County Fairgrounds in Horseheads, New York, has been cancelled because we are unable to meet the strict requirements of the state and county and still make it a viable event.

Anyone who currently holds a ticket may obtain a reimbursement by mailing a stamped self-addressed envelope to ARAST, P.O. Box 614, Horseheads, NY 14845-0614. (Make a photocopy for your records.) Alternatively, you can use this year's ticket at next year's hamfest, scheduled for September 25, 2021, or consider it as a donation.

We regret that the 2020 Guthrie Wineglass Marathon in the Corning area could not take place as a "live" event. Hopefully, in 2021, things will be back to normal, and we will again be looking for extra communicators to join us.

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).

## 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

The purpose of our association is to:

- promote interest in Amateur Radio communication and advancement of the radio art.
- conduct programs, training, and exercises that enhance the skills of the members, and educate the community.
- develop ties with other services and establish relationships with community organizations.
- provide emergency communication services.
- promote enjoyable Amateur Radio related events.

The association was incorporated in 1991 and has been a vibrant part of the community ever since. We have a very active VE testing program. We also participate in numerous public events (the Wineglass Marathon and the Wine Country Classic Boat Regatta are two of the largest).

We operate a system of three repeaters (which are linked), providing a large area footprint for two meter FM amateur use. Please see our website for details. ([klara.us](http://klara.us))

Our meetings are held on the second Wednesday of each month at the Civil Defense and Fire Training Center on Route 54 in Bath, NY.

## 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.

## 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 be testing in November. The meeting for Wednesday, November 11th will be inside. There will be social distancing and Masks MUST BE WORN!!!. The program will be on go kits, design and construction.

## 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.  |

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.

## **INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE**

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

## **ROCHESTER MAKERSPACE**

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

## **GENESEE VALLEY AMATEUR RADIO ASSOCIATION**

Email [n3dsp@lafireline.net](mailto:n3dsp@lafireline.net) for details.

## **ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE**

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

# RARA OFFICERS, DIRECTORS AND COORDINATORS

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## DECEMBER RAG DEADLINE NOVEMBER 15, 2020

RARA MEETS AT 7PM ON THE FIRST  
**WEDNESDAY** OF EACH MONTH.  
JOIN US ON-LINE AT:

<https://attendee.gotowebinar.com/register/1398294427420510476>

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## Rochester Area Repeater Listing

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