



THE RARA RAG

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

FEBRUARY 2018
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PUBLIC SERVICE

TIM GUYOT, KB1POP—RARA VICE PRESIDENT

Public service addresses a number of goals in amateur radio. Mainly, it's an opportunity to practice emergency communications, and it provides a valuable service to other organizations and the general public. Additionally, it gives amateurs an opportunity to practice directed net operations and field or mobile operation.

This month our public service coordinator Mike Moore, KC2NM, will be presenting on a variety of public service topics. Of course we'll have an overview and recap of some of the services that RARA provides, but he'll also be digging into some operational and technical details that can be applied to future events.

Ever thought about volunteering to be the captain of a public service event?

- Who do I need to contact in advance?
- How many operators do I need?
- Do they all need to own radios?
- What do I need to tell the volunteers and the organization we are supporting to expect?

Mike will present an outline and checklist that can be used to ensure any public service event is successful.

Lastly, we'll get into a technical deep dive. While many hams train for situations where they will need to operate with the bare minimum, technologies like ARPS, IP telephony, and event logging systems can be a huge help when coordinating events with thousands of attendees and just a few dozen hams. Mike will show us how Net Control is set up for the big events and what technology he leverages to make them a success including LTE Modems, LAN hardware, phones, and software.



BOARDZ BUZZ

SCOTT THEIS, W2LW—RARA BOARD , WEBMASTER

GETTING INVOLVED

I first attended the Rochester Hamfest in the late 90s at the Monroe County Dome. At the time I was a private pilot, so a friend and I flew up from down state (Orange County) and spent the day. I was amazed at the size of the hamfest and thought it perhaps rivaled the size of earlier hamfests in Minneapolis I attended as a teenager. There were lots of trinkets and treasures, lots gear, and a fair amount of graveyard stuff from computers to ham equipment. It certainly brought back memories...



Courtesy John Nagle

Back in the mid-70s, I had an older friend who worked as a technician for Western Union. Western Union was retiring old Teletype machines and he was able to get his hands on a supply. So, I cleaned them up and tested them, and we went from hamfest to hamfest on summer Saturdays, selling used Teletype Model 15s. I spent a fair amount of time studying and playing with baudot. I knew early on that this was an outmoded technology; after all, my middle school math department had an ASR 33 which used ASCII and ran better than twice as fast at 110 baud. Later, another friend and I figured out how to make a TRS-80 drive old Teletype machines. But the Model 15 was big, bulky, and pretty much a boat anchor. I still have one squirreled away in my mother's attic, sitting for forty odd years. I don't think I have the strength to carry it down the ladder. Still, mechanically, it's a pretty cool machine.

We have all seen the decline of the hamfest. Is it an indication of the decline of amateur radio? I think not. Like everything in life, things are constantly changing, mostly for the better. Not only is technology constantly improving and adapting, so are societal attitudes and the way people interact and learn. My kids did not have the internet until they were teenagers. My grandkids walk around with tablets, have their own computers, and have never used a plain old radio. I am sure when they move into the workforce, they will be like many of my current employees: 'Google engineers' and 'YouTube researchers'. I admit, I do the same thing. But I still like a book and spec sheets. I like to know what is going on under the hood.

With this change in mind, one of the most difficult challenges for any club is to attract volunteers while keeping the hobby fun for the established member. This is a regular topic at RARA board meetings, which is also why Tim Brown and I have restarted the RARA Academy. Are people engaging differently? We need to figure out how to address these new areas and opportunities.

Many of us have a lot to offer beside our hobby. Ham radio is what binds us together. I am sure our membership is made up of a wide spectrum of people, those whose first contact with radio technology was ham radio all the way to the seasoned electronics engineer who can explain phase relationships within filter circuits. What does a newly minted ham with a tech license need or want?

What can you do to help with these questions? Well, if your not sure and just want to see what is happening, come to a RARA Academy session. If you like it, you may want to contribute to a later session. Tell a friend. Promote your hobby and interest to others.

By the way, going back to the hamfest, we need more volunteers to make it happen.

Thinking about it now, maybe I should drag that old Model 15 out of the attic, make a new interface, fire up an Arduino, write an ASCII to Baudot converter and use it as a printer for my 4.2Ghz 6 core hyperthreaded computer. Or maybe build an interface to my Icom IC-7300. Sounds like a fun project when it is about 3° outside.

Either way, it would fit nicely into the popular 'steampunk' movement. At the very least it'll make a bunch of noise for the kids.

CALENDAR OF EVENTS

SATURDAY FEBRUARY 3, 2018- RARA Academy, Arduino Programming
10:00 AM at Novaworks, 333 Metro Park, F-500

WEDNESDAY FEBRUARY 7, 2018- RARA General Meeting
7:00 PM at BSA Headquarters
2320 Brighton Henrietta Town Line Rd

THURSDAY FEBRUARY 8, 2018- RARA Board of Directors
5:45 PM at Novaworks, 333 Metro Park, F-500

SATURDAY FEBRUARY 10, 2018- WINTERFEST
Stewart Lodge—Mendon Ponds Park

SATURDAY JULY 14, 2018- PICNIC
Stewart Lodge—Mendon Ponds Park

FRIDAY SEPTEMBER 21, 2018- BANQUET
Burgundy Basin Inn

2018 SPRING LICENSE CLASSES

Tim Brown, WB2PAY, RARA Education Coordinator

If you are looking to learn new skills, upgrade your license, make new friends, and have some fun, sign up for the Spring session of RARA's license classes. Amateur Technician and General Licensing classes will commence at 7pm on Tuesday February 20, 2018 at RIT in the GLEASON building, room 3129, use parking lot J. Extra Licensing class will begin at 6pm CARLSON HALL room 1210, use parking lot F.

Licensing courses are FREE to current members and only \$15.00 for non-members.

Not a current RARA member? Membership starts at FREE! <https://www.rochesterham.org/membership.htm>

A NOTE FROM THE PRESIDENT

As I mentioned at our January general meeting, Betsy Tascione resigned from our Board of Directors at the December Board of Directors meeting. Betsy has been an asset to our club and the board as a board member and as a past treasurer. One of her accomplishments was organizing the handling of funds for our Annual Auction in November.

Thank You Betsy for a job well done.

Also at the December Board of Directors meeting, the board asked Tim Brown our Education Coordinator if he would like to fill the vacancy on the board. He accepted and was approved by the board. Welcome Tim and Thank you for your progress as the Education Coordinator.

I hope everyone enjoyed our January presentation by Jim Veatch, WA2EUJ, on Software Defined Radios.

If anyone is interested in building an SDR kit, please contact me: president@rochesterham.org



2018 RARA ACADEMY

Tim Brown, WB2PAY, RARA Education Coordinator

Our first RARA Academy session of 2018 on January 13th was cancelled due to the severe weather and widespread travel advisories.

The topic for the Saturday February 3rd RARA Academy session will be the Arduino Microcontroller. The training session will begin at 10am.

Scott Theis, W2LW, will be conducting the session. Scott will cover an introduction and overview of the Arduino as well as giving pointers on how to properly address, program and utilize these units. Major topics:

- Installing the IDE (Windows and Mac)
- Setting up your first program
- An overview of the C program language
- A discussion of how device programming and memory operate
- Understanding Libraries

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(Continued from previous page)

- Creating a program using the ADC features

If you have an Arduino project, please bring it along with your laptop so Scott can assist you in working with these devices.

This will be a GREAT learning experience for novices as well as veteran Arduino users and experimenters.

The Arduino session will be held at Scott's office at:
Novaworks,
333 Metro Park # F500 (area B)
Rochester, NY 14623.

This location is off Brighton Henrietta TL Rd about 1/4 mile west of the BSA offices.

IF THERE IS ANOTHER BAD WEATHER CONDITION THAT WILL REQUIRE CANCELLATION OF THIS SESSION, IT WILL BE POSTED ON THE HOME PAGE OF RARA'S WEBSITE. www.rochesterham.org

WINTER SEASON IS A GOOD TIME TO SHARPEN OUR PUBLIC SERVICE SKILLS

Mike Moore, KC2NM, Public Service Coordinator

December saw the close of the 2017 Event Season. The RMSC Holiday Science Program was held at the Rochester Museum and Science Center. This is a joint effort between RARA, RDXA and XARC. It is aimed mostly at kids. These three groups shared a demonstration area with RARA demonstrations of magnetism, motors, propagation, Morse code, audio transmission, and coding. RDXA presented a low band station which included a monitor that was used to display the QRZ.COM pages for the stations being worked. This allowed members of the public to hear actual ham transmissions as well as seeing pictures of the stations and operators that were being worked. For the RARA part, thanks to Don AC2EV and Peter W2SKY for serving as event captains. Manning the demonstrations during the 4 days of the event were AA2YV, AC2EV, K2IOD, K9UB, KC2KPL, KC2NM, KC2TCM, N2BNE, W2SKY, WB2KAO, and WB2PAY.

The first public service event of 2018 does not occur until June. Now is a good time to "sharpen the saw" and learn some new skills or sharpen some existing ones. The Monroe County ARES/RACES meets at 7pm on the air every Thursday of the month, on the 146.61 (-) 110.9 Hz repeater. The net is a directed net and is good practice for the types of operations needed for our public service events. For more information visit the Monroe County ARES / RACES website <http://www.monroecountymcomm.org>

Operating practices needed for working our public service events are described in "The Amateur Radio Public Service Handbook" This book describes the vari-

ous ways that we can serve our community as hams and our relationships to various served agencies. It is available from the ARRL and is still in its first edition. I was able to pick up a used copy from Amazon for \$14.

Much of the information that we distribute for the public service events is developed using the Google G Suite of shared applications. G Suite allows documents, spreadsheets, maps, and presentations to be shared among users and allows editing in real time. Best of all, it is free. To learn more about this product see <https://www.youtube.com/watch?v=LW9gh2myDhA&t=40s>

Please take a minute to visit our Public Service webpage and sign up for a few of the great events coming in 2018. Feel free to bring along a friend or spouse even if they are not a Ham. This is also a great opportunity for new Hams to sharpen your radio skills. All you need is a mobile and/or portable VHF and/or UHF radio and a desire to get out of the shack and really do something worthwhile to help yourself and others. http://rochesterham.org/public_service.htm

COFFEE BY N2OA

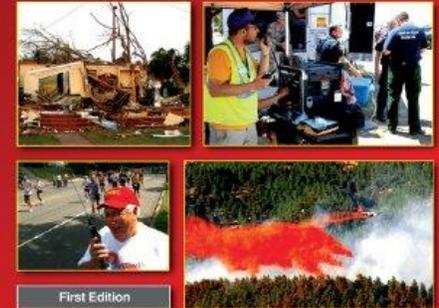
Anand Choudri, KC2KPG, RARA Secretary

We all enjoy having refreshments during our break at our monthly meetings. Dawn Leopard served as our refreshments coordinators for a few years. When she retired from that post, Kelly Nichols, KD0FOP stepped in to take that responsibility. He was unable to bring us refreshments at our January meeting, and so it looked like we would have to go without any food or drink. On behalf of the club, I would like to thank Dave, N2OA for taking a trip to the Dunkin' Donuts close by and bringing back a box of coffee for us to enjoy.

The Amateur Radio Public Service Handbook



A Guide to Radio Communications for Community Events, Emergencies, and Disasters



RARA WINTERFEST

Our eighth annual RARA Winterfest is coming up on February 10th and is promising to be a great event. As always, we will have our very popular crockpot cook-off and everyone is invited to bring their favorite creation to share. You are encouraged to bring anything you can make in a crockpot. As before, we will be awarding prizes of RARA Membership Points to the top entrants. The first place winner will receive 20 points, and second place will get 10 points. We are also inviting everyone to bring a dessert to share and we will be awarding 20 RARA Membership Points for the best one. Desserts do not need to be made in a crockpot but if you can do that, go for it. We encourage you to put on your chefs' hats and wow us with your sweet culinary creativity. Of course, there is no entry fee for these cook-offs so simply sharing the wonderful delicacies will make everyone a winner.



A special bonus this year there will be a door prize of an [Arduino Engineering Kit](#) to be won at the event. You must be there at the time of the draw to have a chance of winning.

As always, we encourage you to bring radios and antennas so we can operate and have fun. During the past several Winterfests we have had visitors who were interested in becoming hams. Active operating positions are a great way to introduce them to the hobby and encourage them to become hams themselves. Of course, if you know anyone who would like to learn more about our wonderful hobby please invite them to join us.

We will be there around 10:00 am to set up radios and antennas and anyone willing to help is welcome to join us. We are looking for one or two volunteers to

help us set up food and tables so if you can do that please email timguy-ot@gmail.com to let us know.

We encourage everyone else to plan to get there around 11:30 am when the eating and operating will begin. RARA will provide non-alcoholic beverages along with all the necessary paper products that will be needed to enjoy the great food we will certainly have. I'll look forward to seeing everyone there. The 'fest will be held on Saturday February 10th at the Stewart Lodge in Mendon Ponds Park. The lodge has heat, a fireplace, it is located near the bathrooms and there is plenty of parking. You can find a map [here](#).

BUILD—IT—PROJECT

Would a club Build—It—Project interest you? Is there a kit that you would like to build? Is there a project you would like to share with other RARA members? Please click on the link below to our survey and provide your input. We greatly appreciate your insight.

[Build—It—Project](#)

Thank You,
Forest Shick, WA2MZG



Lincon Web says “Click This”

CLUBS

[DuPage Amateur Radio Club](#)
[Birmingham Amateur Radio Club](#)
[Yavapai Amateur Radio Club](#)
[Palomar Amateur Radio Club](#)

STORES

[Pacific Antenna](#)
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SOFTWARE

[HSDR](#)

MICROCONTROLLERS

[Raspberry Pi](#)
[Arduino](#)

SDR

[I/Q Data](#)

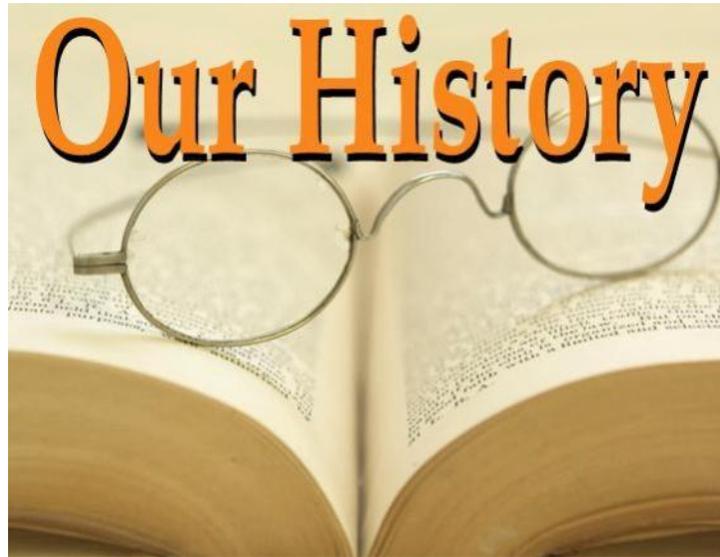
RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN



40 Years Ago, February 1978

The usual 1st Friday evening at the Highland Avenue Farm and Home Center will see February's RARA program that has been titled ITU Night. And what is ITU, you ask? ITU stands for the International Telecommunications Union. This truly international organization, with members from most nations, is responsible for planning the use of our precious radio spectrum, including Amateur Radio bands. This program was provided by the ARRL and is of interest to all of us. A week away, on the 11th, was the annual RARA Valentine Dinner Dance held at the Pittsford Tavern on the Mall. This yearly event allows us to recognize and thank our XYL's for all of their support throughout the year. The ten dollar tickets were available from Alan Komenski, WB2ZFM (AC2K) or Howie Kingsford, WA2UEB. A big and long awaited announcement came from Ed Holdsworth, N2EH, regarding the opening of the RARA Club station, K2JD. The station is available on a 24 hour basis to any member who has been checked on the equipment and issued a special pass. The station has a SB-104A transceiver, a Heath SB-220 Linear and a 5 element Hy-Gain tri-band yagi or a trap dipole on 80 and 40 meters. Station Manager Ed Gable, K2MP, said a Novice station will be added shortly. Rich Koehn, K2UW, writing for the RARRA, told that their next meeting would be on Aviation Electronics and presented by Fred Shippey WB2BQA and Kent Hemphill, both members of the Civil Air Patrol. Floyd Koontz, WA2WVL, reported that the Rochester VHF Group's yagi project was a great success with some 55 beam antennas, some cross polarized for OSCAR use, were built by Group'ers. Jim Lill, WA2ZKD, reported that the 444.40 repeater, WR2AOX, at Harris/RF is now up and operating. There were no Want Ads in this issue but a new ham store, Amateur Radio of Rochester, at 1185 Scottsville Road, was a new commercial advertiser offering Kenwood, Dentron and other lines of equipment.



20 Years Ago, February 1998

"Mobile Telephone Service, Past, Present and Future," was the title given to the February RARA meeting as reported by Program Chairman Rick Wells, W2RW. At this time Cell Towers were popping up all over the place and begged the question of what's going on here. To answer that question was John Woika, W8JW, then a retired ATT systems engineer with a significant background in the business of mobile telecommunications. Assisting John was Ralph Mastrangelo, RF Manager at Sprint PCS. This Rag revealed that our ARRL Western New York Section Manager, Bill Thompson, W2MTA, appointed two local RARA members to ARRL field positions. Ed Gutowski, KB2UQZ, was appointed WNY Public Information Coordinator and Gail Heinzman, K2BCL, accepted the post of Regional Section Manager for Livingston and Monroe counties. Our hard working Emergency Coordinator and Radio Officer, Ed Holdsworth N2EH, has already this year firmed six public service events and urged people to sign up early. Lloyd Caves, WB2EFU (N2PU), wrote part III of his series on preparations for the three day hamfest starting May 29th. Lloyd reported on the new programs added this month that included a MARS seminar, an always entertaining ARRL President Emeritus, Harry Daniels W2HD, speaking on current amateur happenings and Atlantic Division Director, Kay Craigie WT3P, along with Vice Director Bernie Fuller N3EFN and ARRL Vice President Hugh Turnball W3ABC, conducting an ARRL Forum. RARA Licensing Class Director Lynn Rosenberg, N2IZX, reported on the planned code and theory classes to be held at 111 Westfall Road. This session has Tim Magee, WB2KAO, teaching code along with Bob Gordon doing the Novice and Technician Theory. The popular Susquehannock Trail Pro Rally, now in its 21st year, is being planned again with Ed Holdsworth N2EH, Roger Harnaart WB2BWQ and Tim Growth N2GON, providing local coordination for this difficult communications event. There were no silent keys reported this month. From the Want Ads you could buy a Force 12, 17 meter, 5 element yagi from Russ, W2RMM. Sherwood Snyder, W2KFU, Attorney at Law, remained a long term advertiser.

VE TEAM

The next **ALWAYS FREE** testing session:

Saturday February 17th
 Rochester Institute of Technology
 Kate Gleason College of Engineering
 Gleason School of Engineering
 Room 3139, Bldg. 9
 Use "J" parking lot
 Registration at 9:45AM
 Testing at 10:00AM

You do not have to preregister.

To avoid giving your SSN go to:

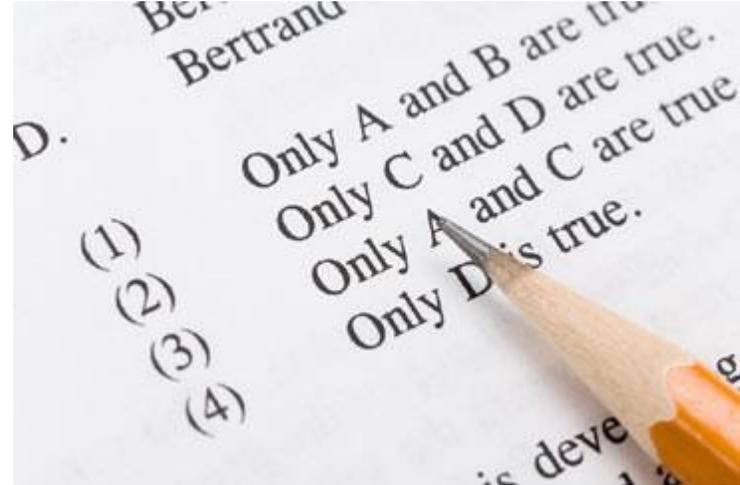
<http://wireless.fcc.gov/uls/index.htm?job=home>

Register and bring the resultant FRN.

For more info:

<https://www.laurelvec.com/?team=RARA>

Don Kiser - AC2EV
 RARA Board member
 VE Team Leader
 585-613-1035



| | | | | | |
|--------------------------|--------|---|----------------------|--------|---|
| Christopher Schlierf | KD2OPF | G | Gary Lorraine | KD2PAF | T |
| Donald Pasciak Jr | KD2PAG | T | John Fiske | KD2PAH | T |

New licensees names are in **BOLD**

RARA CALENDAR

Tim Barrett, K9VB

| February 2018 | | | | | | |
|---|---|---|--|---|--|---|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | | | 1 ARES Net 146.61 MHz 7pm NRAU 10m Activity Contest NCCC Sprint | 2 YLRL YL-OM Contest | 3 RaRa Academy 10am - Arduinos YLRL YL-OM Contest VT, MN, BC QSO Parties 10-10 Winter Contest, SSB F9AA Cup Black Sea Cup Mexico RTTY Contest FYBO Sprint AGCW Straight Key Party |
| 4 YLRL YL-OM Contest VT, BC QSO Parties 10-10 Winter Contest, SSB F9AA Cup Black Sea Cup Mexico RTTY Contest NA Sprint CW | 5 RSGB 80m Club Champ, SSB ARS Spartan Sprint | 6 Phone Fray | 7 RaRa Monthly Mtg 7:00pm, BSA HQ, Brighton Henrietta TLR ROC City Net 8:00pm 3.826 MHz UKEICC 80m Contest | 8 RaRa BoD Meeting 5:30pm, BSA HQ, Brighton Henrietta TLR ARES Net 146.61 MHz 7pm NCCC Sprint | 9 | 10 RaRa Winterfest CQ WW RTTY WPX Contest Asia-Pacific Spring Contest, CW KCJ Topband Contest Dutch PACC Contest SKCC Weekend Sprintathon OMISS QSO Party FISTS Winter Sprint RSGB 1st 1.8 MHz Contest |
| 11 CQ WW RTTY WPX Contest KCJ Topband Contest Dutch PACC Contest SKCC Weekend Sprintathon OMISS QSO Party Balkan HH Contest | 12 ARRL School Club Round- up | 13 Phone Fray ARRL School Club Roundup | 14 SIARC 7.30pm ROC City Net 8:00pm 3.826 MHz ARRL School Club Roundup RSGB 80m Club Champ, Data | 15 ARES Net 146.61 MHz 7pm ARRL School Club Roundup NCCC Sprint | 16 ARRL School Club Roundup | 17 SARL Youth Day Sprint ARRL Inter. DX Contest Russian PSK Contest Feld Hell Sprint AWA AM QSO Party |
| 18 ARRL Inter. DX Contest Russian PSK Contest AWA AM QSO Party Classic Exchange, Phone | 19 Classic Exchange, Phone Run For The Bacon QRP | 20 RDXA 7:30pm Phone Fray Classic Exchange, Phone | 21 ROC City Net 8:00pm 3.826 MHz Classic Exchange, Phone AGCW Semi-Auto Key Evening | 22 Monroe Cty ARES 6pm, Red Cross Center, Prince St RSGB 80M Club Champ CW NCCC Sprint | 23 CQ 160-Meter Contest, SSB | 24 CQ 160-Meter Contest, SSB Ref Contest SSB UBA DX Contest, CW NA RTTY QSO Party SC QSO Party |
| 25 CQ 160-Meter Contest, SSB Ref Contest SSB UBA DX Contest, CW NA RTTY QSO Party SC, NC QSO Parties SARL Digital Contest | 26 | 27 Phone Fray SKCC Sprint | 28 ROC City Net 8:00pm 3.826 MHz | | | |

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

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

The next ARES Meeting will be held on: **Thursday, February 22, 2018, at 6:00 PM.**

Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

ARES NET:

Monroe County ARES/RACES meets on the air every Thursday of the month at 6:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountymcomm.org

Severe Weather Alerts:

Winter brings severe weather in the form of heavy snow and strong winds. 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)

NBEMS:

Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2018.



ROCHESTER DX ASSOCIATION, RDXA

RDXA meets the 3rd Tuesday of every month (September through May) except for December, which is the Annual Holiday Banquet. Meetings are open to everyone and all are encouraged to attend.



Meetings are held at the Monroe County EOC 1190 Scottsville Rd. (second floor), Rochester, NY 14624 at 7:30PM.

ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRRA invites you to attend its February 16, 2018 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 PM.

The RRRRA officers 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

ROCHESTER VHF GROUP

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting www.rvhfg.org or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

XRX AMATEUR RADIO CLUB

The next meeting of the XRX Amateur Radio Club will be at 6PM on Thursday February 8, at the Webster Recreation Center. Check our website at <http://xarc.us> for the latest info.

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 Road48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be on Wednesday, February 14th. There will not be License Exam Testing. 73's Steve Benton VP SIARC WB2VMR

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Town & Country Fire house in Horseheads. C-CARES meets the first Tuesday of the month except February. C-CARES covers the entire area in Chemung, Schuyler and Steuben Counties and everyone is welcome.

Don't forget to mark your calendars for next years hamfest September 29, 2018 located at the Chemung County Fairgrounds in Horseheads, NY. Tickets will be available from any board member and online at our website as we get closer to the venue date. Also need Communicators for the Wine Glass Marathon for 2018. The date has been set for the Sunday following the Hamfest (September 30, 2018). If you can help out, contact the Emergency Coordinator at emergencycoordinator@stny.rr.com as soon as you can. EMO needs to be notified who's out there.

Our website is almost complete undergoing construction. I understand that until the re-write is complete, it will still be usable. Look for the transition to take place after the Wineglass Marathon So go ahead and check out our website at www.arast.org.

Don't forget to check out our repeaters when you come into the area: The N3AQ 147.36(+); and W2ZJ (146.70(-) are the principal ARAST repeaters on 2 meters. A full list of all the repeaters that can be heard in Chemung County New York and neighboring areas of Pennsylvania can be found at 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! Take a look at the club website for more info: www.k2srv.org

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communications 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 public [DSTAR hotspots](#) (using the dvprtr board), Yaesu fusion systems on non-club repeaters and DMR. The last mode is being enjoyed locally through a [DV-Mega-Raspberry PI](#) combination. DCAP meets for breakfast at

7am nearly every Saturday morning at [Rikki's Family Restaurant](#) in Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL of 110.9 Hz.

WESTSIDE AMATEUR RADIO CLUB

The mission of the Westside Amateur Radio Club is to provide emergency communications services to the community, to assist other civic organizations, to promote the technical craft of amateur radio through class training and testing, to mentor new members, and enhance fellowship among radio amateurs.

The Westside Amateur Radio Club meets on the second Wednesday of the month at the Chili Public Library. The Library is located at 3333 Chili Ave, Rochester, NY 14624.

The talk in repeater for all meetings is the K2RWC Repeater 146.700MHz - 110.9

Website: <http://WestsideAmateurRadio.club>

INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Interlock Rochester is open most every Tuesday night at 7pm. We're in the Hungerford Building (1115 East Main Street, Rochester NY), just north of Village Gate. Come to Door #7 (to the left of Comics Etc) and buzz Suite 200. Want to know more? Visit our website at <http://www.interlockroc.org/>, contact us at info@interlockroc.org, or find us in #interlock on Freenode IRC.

GENESEE VALLEY AMATEUR RADIO ASSOCIATION

2018 Meeting and Testing Schedule

Testing Schedule:

Saturday, February 17, 2018 1:00 PM - 2:00 PM

Saturday, May 17, 2018 1:00 PM - 2:00 PM

Saturday, April 21, 2018 1:00 PM - 2:00 PM

Saturday, May 19, 2018 1:00 PM - 2:00 PM

*** Saturday, June 23, 2018 1:00 PM - 2:00 PM (Field Location, please call for location)

Saturday, September 15, 2018 1:00 PM - 2:00 PM

Saturday, October 20, 2018 1:00 PM - 2:00 PM

Meetings to follow after testing.

Location -

Brick Presbyterian Church

6 Church St.

Perry, NY 14530

*** PLEASE note that the Field day location is To Be Determined

Email n3dsp@lafireline.net for details.

ROCHESTER MAKERSPACE

The Rochester Makerspace is located at the rear of 850 St. Paul Street in almost 4,000 square feet of workspace. We are a volunteer-run 501c(3) nonprofit organization and our mission is to encourage learning, creativity and collaboration. We do that by providing low-cost and free access to sophisticated tools, offering a wide variety of classes, and by providing opportunities for “makers,” artists and crafts persons of all kinds to meet and learn from each other.

Drop in to explore, learn and make at our weekly open house:

Every Thursday Night, 6 to 10 PM – Weekly Community Night & Open House

Every Saturday, 11 AM to 3 PM – Weekly Community & Open House

Park in the lot at Scrantom St. and Conkey Ave. and follow the signs.

Every Thursday Night, 7 to 9:30 PM – Microcontrollers & Robotics Meetup

A ham bench is set up with a 2 meter FM radio and a laptop with WebSDR. Waiting for nicer weather to install outside antennas for the Heathkit HW101 transceiver and Kenwood all mode 2 meter transceiver. Donations of ham equipment accepted.

For more information visit Rochestermakerspace.org

ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

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

THE AMATEUR'S CODE

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

THE RADIO AMATEUR IS:

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

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RARA OFFICERS, DIRECTORS AND COORDINATORS

OFFICERS

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|---|----------------|--|---|----------------|--|
| President: Forest Shick, WA2MZG | (585) 721-1653 | wa2mzg@arrl.net | Treasurer: Brian O'Connor, KA2CGB | (585) 721-2346 | ka2cgb@arrl.net |
| Vice-President: Tim Guyot, KB1POP | (585) 406-3163 | timguyot@gmail.com | Secretary: Anand Choudri, KC2KPG | (585) 377-0759 | kc2kpg@arrl.net |

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ACTIVITY COORDINATORS

| | | | | | |
|-----------------------------|--|--|------------------------------|--|--|
| Club Historian | Ed Gable, K2MP | egable@rochester.rr.com | Membership Secretary | Tim Barrett, K9VB | tim.k9vb@gmail.com |
| Club Station Trustee | Jim DiTucci, N2IXD | n2ixd@arrl.net | Public Service | Mike Moore, KC2NM | mikemoore@ieee.org |
| Education | Tim Brown, WB2PAY | tjbrown@rochester.rr.com | Raffle Administrators | Volunteers Needed | |
| Hamfest Co-Producers | Tim Guyot, KB1POP Mike Kolstee, KD2IZQ Mike Moore, KC2NM | timguyot@gmail.com mckolst@yahoo.com mikemoore@ieee.org | RARA RAG Editor | Forest Shick, WA2MZG Dawn Leopard, KC2VJU | editor@rochesterham.org dawn@leopard.ca |
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| Meeting Audio | Brad Allen, KB2CHY | ballen@frontiernet.net | Webmaster | Scott Theis, W2LW | webmaster@rochesterham.org |

MARCH RAG DEADLINE

FEBRUARY 15, 2018



RARA meets at 7PM on the first **Wednesday of each month. Join us at:**

Seneca Waterways Council, BSA Headquarters
2320 Brighton Henrietta Town Line Rd
Rochester, New York 14623

[Get Directions](#)

[Rochester Area Repeater Listing](#)

THE RARA RAG

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