



# THE RARA RAG

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

APRIL 2018  
VOLUME 70, ISSUE 8

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## OPERATING HF WITH ALLSTAR

TIM GUYOT, KB1POP, RARA VICE PRESIDENT

This month Mike Rink W2HYP and Phil Visalli K2ELV will be presenting the work they've done with AllStar and HF radios.

If you're like me, this will be your first time hearing about AllStar beyond "It's like EchoLink." So they'll start out with an overview of AllStar to make sure everyone's on the same page. The short version is that AllStar is an Internet radio linking system similar to EchoLink and IRLP, but has a number of differentiating features including:

- Support for full-duplex between nodes like a conference call rather than one-to-many
- More flexible deployment models including simplex and remote base nodes
- Eliminates the controller in many repeater topologies

Once everyone has been brushed up on the basics of AllStar, Mike and Phil will get into how they are using it to operate HF.

The AllStar Link Network can be used to connect repeaters and simplex stations to the Internet for access by other AllStar Link users, but the software can also be used to set up private nodes. Mike and Phil have set up their HF radios as private nodes so that they can use them when they are not at home. The AllStar configuration allows them to use DTMF to control most of the functions of the radios.

As an additional privacy and protective measure, they are using smart jacks to power the radios on or off as needed.

Now that I've shared the 'what' Mike and Phil will share the 'how'. They'll explain:

- The hardware they are running AllStar on
- The physical interfaces with the radios
- The software configurations for AllStar and DTMF control
- The smart jacks they use to power their rigs
- How all this works together to allow them remote access

Phil tells me that they can connect just about any radio. Maybe you'll be inspired to give it a try...



# BOARDZ BUZZ

GARY SKUSE, KA1NJL

I've been a ham for more than 30 years and I have yet to explore even a fraction of the options we have available to enjoy our multifaceted hobby. With the warmer weather coming, ok most likely coming, I am thinking about the things I can do outside with my radios. While most of us look forward to the warmer months to tend to our antennas or to put up new ones, there is a multitude of other ham-related activities we can enjoy.

I like being outside when I can and I especially like being outside with a radio. Simply taking a walk while talking to my friends on a local repeater is much more fun than making contacts while sitting in the house. When I had a motorcycle I used to make contacts using a mic and headphones installed in my helmet. Now, with the growing number of local digital repeaters and available hotspots that support DStar, DMR, Fusion and other protocols I can easily talk to people in far-away places with my humble HT. This is especially cool because it appeases my desire to work DX while giving me the opportunity to be outside and moving.

I also enjoy monitoring radio traffic, i.e. listening and not talking. While my XYL may argue otherwise, sometimes I can be good at listening. While this is a bit of a challenge in New York because of laws that prohibit us from having scanners in our cars, we can take advantage of the extended receive capabilities of many of our amateur radios to listen to air traffic control or train logistics, or any other service that is not digital or encrypted. It really is fun sitting outside with binoculars and a radio to watch and listen to aircraft.

Throughout the year I enjoy working HF but a few years ago I tried operating from alongside Seneca Lake with a portable rig and a dipole temporarily thrown up in the trees. It was much more fun than operating from my shack. Ever since then I take advantage of opportunities to do that whenever I can. This year I am looking forward to doing something similar from my own backyard. I recently picked up a QRP rig and I am anxious to test it outside. Again, combining the enjoyment of the hobby with the wonderful weather we have in the spring, summer and fall months is an uncommon thrill.

Of course there are many other activities we can pursue in the nicer weather. RARA offers a number of opportunities for us to contribute to public service events. What's better than an excuse to spend a day outside playing radio? Not only is it fun but doing so provides a service that not only justifies our hobby but it creates the potential to introduce ham radio to people outside of the hobby. While the number of hams in the US is currently growing, there is always room for more trained radio operators.

For many years there has been a very active group of local fox hunting enthusiasts. I don't mean those who use hounds to chase down the little creatures with bushy tails but rather those who find hidden sources of RF. While it has been quite a while since I participated in a fox hunt, I will never forget the direction finding skills I learned. The exercise is meant to not only be fun but also to teach

skills that may be useful in finding lost individuals, downed planes, animals wearing RF tags and sources of interference, among others. I know of many people who avidly pursue fox hunting because of the inherent challenges and the skillset they develop while having a lot of fun.

What will you be doing to combine this wonderful hobby with the upcoming nice weather? I hope you too find ways to enjoy operating your radios while taking advantage of the marvelous weather we see in this part of the country during the warmer months.

## CALENDAR OF EVENTS

**WEDNESDAY APRIL 4, 2018-** RARA General Meeting  
7:00 PM at BSA Headquarters  
2320 Brighton Henrietta Town Line Rd

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

**SATURDAY APRIL 7, 2018**—Power Supply and Battery Technology  
10:00 AM at BSA Headquarters  
2320 Brighton Henrietta Town Line Rd

**SATURDAY APRIL 21, 2018**—VE Testing  
9:45 AM at RIT, Gleason School of Engineering, Rm 9-3139

**SATURDAY MAY 5, 2018**—RARA Academy, Dual Band Antenna Build  
10:00 AM at BSA Headquarters  
2320 Brighton Henrietta Town Line Rd

**WEDNESDAY MAY 16, 2018**—Venture Crew 73 Recruit Meeting  
5:00PM AM at BSA Headquarters  
2320 Brighton Henrietta Town Line Rd

**SATURDAY JUNE 2, 2018**—Rochester Hamfest  
6AM to 2PM—Hilton Exempt Club  
137 South Ave, Hilton, NY 14468

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

**FRIDAY SEPTEMBER 21, 2018**—BANQUET  
Burgundy Basin Inn

**SATURDAY FEBRUARY TBD, 2019**—WINTERFEST

# XARC BUILDS CODE KEYS WITH CUB SCOUTS

Jon Dickason, N2JAC

Several organizations have contacted the XRX Amateur Radio Club after seeing how popular our morse code key was with the kids at Maker Faire because it's easy to build and inexpensive.

We make it look easy with all our pre-build preparation and build process that we've perfected over several years.

Recently we helped cub scout pack 341 of Pittsford with an introduction to ham radio and morse code. Kevin Baldwin and several of the scout's parents assisted with prep and building, supervised by AG2Y and KA1CNF. K2OID and N2JAC showed some radios and 'real' keys with oscillators so the kids could practice sending.

As usual, most of the kids were interested in this 'new' communication mode.

We're already working with a class of 60 in Spencerport, so we have plenty of work to keep us busy until next Maker Faire.



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# 2018 RaRa Academy

Tim Brown, WB2PAY, Education Coordinator

## March 10th

Forest Shick, WA2MZG, presented a follow-up to the January RaRa meeting presentation on Software Defined Radios. If you missed the January presentation, you will find a link to the slides and You-tubes at this location: [SDR](#)

The March presentation covered extensive detail on many aspects of SDR. Four versions of SDR radios were demonstrated. Attendees had the opportunity to listen to and experience the unique features of the SDR technologies and their associated software.

Slides from the workshop are at <https://www.rochesterham.org/raraacademy/2018-03-10-RaRa-Academy-SDR.pdf>

## Upcoming Academy Workshops:

Workshops will be held at BSA Headquarters, 2320 Brighton Henrietta Town Line Rd, 10AM to noon

## April 7th

The topics for this workshop will include:

- Battery and Power Supply Technologies used with communications equipment
- Switching vs Linear Power Supplies, pros and cons of each
- Safe handling and charging of batteries
- Safety Precautions when working with High Voltage power sources
- Various battery technologies and power sources will be on display

## May 5th

This Academy workshop will be a hands on antenna building session.

- We will build a dual band 20/15 meter HF dipole antenna.
- Class size is limited to 12 participants.
- The cost of antenna parts is \$25 which must be paid at the workshop.
- Register for the class by emailing [education@rochesterham.org](mailto:education@rochesterham.org).

## Future Academy Workshops-- Dates and Venues To be determined

- Soldering Techniques
- Small Kit building
- Digital Modes and Rig Interfaces
- Logging & Operational Software

# ROCHESTER HAMFEST 2018

SATURDAY, JUNE 2, 2018

6AM TO 2PM

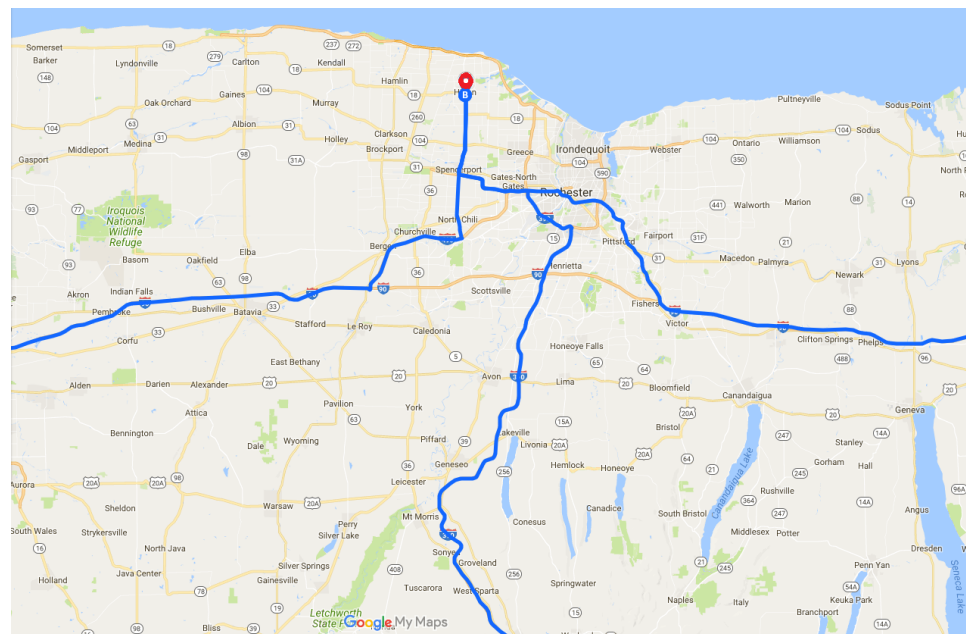
HILTON EXEMPT CLUB

137 SOUTH AVE

HILTON, NEW YORK 14468



It's official, the 91st Rochester Hamfest will be happening on June 2nd, 2018 at the Hilton Exempt Club, [137 South Ave. Hilton, NY 14468](#) from 7am to 2pm. Vendors may enter at 6am. Access from the East and West via Rt. 90 and from the south via Rt. 390. (Detailed directions will be in the Hamfest edition of the RAG) We've got plenty of space this year and we are excited to host you and your friends for another great hamfest!



Making this event a success requires your help.  
E-mail [hfproducer@rochesterham.org](mailto:hfproducer@rochesterham.org) if you can help in any way.

Leading up to the event, we could use some help in the following areas:

- Publicity



- Obtaining raffle prizes setting up the raffle ticketing process
- Finding food vendors - If you know any, please forward their contact info.
- Recruiting additional volunteers for the event
- Planning traffic management

The day before and the day of the event, we'll need additional help. Watch for details in the next RAG.

Now onto what to expect at the 2018 Rochester Hamfest...We've already confirmed a lot:

- Raffles (All items will be listed in the future special Hamfest Edition of the RAG)
- Door Prizes - You can win just by attending!
- Always Free License Testing
- Country Store - RARA will be selling a few items, we'll sell yours for you for a small percentage
- Testing Station - Want to do some quick checks before you buy? We'll have some basic test equipment available.
- ARRL Contest Checking for WAS, VUCC, DXCC and WAC
- And of course flea market space for you to buy and sell a variety of treasures.

**Tickets:**

- As stated on the front page of our website, RARA members get free admission.
- Non-member volunteers that work for at least two or more hours will receive free admission.
- Non-Members: \$10
- Any vehicle brought into the flea market: \$10
- RVs are welcome to arrive the night before (June 1st), after 6pm. There is no additional charge. Watch for the Hamfest edition of the RAG for additional details.

-RARA 2018 Hamfest Committee

## TECHNOLOGY GRANT

Tim Brown, WB2PAY, our Education Coordinator has put considerable effort into contacting local schools districts with information on our Technology Grant.

His efforts have finally been rewarded with one applicant.

One is not necessarily the "Loneliest Number". One is a beginning to build from next year. We still have a few days left for stragglers to apply this year.

**Silent Key**

**Stephen B. Salai**  
**W2EK**  
March 2, 2018

**Silent Key**

**Judith Ann Stonehill**  
**K2KXS**  
March 12, 2018



## Lincon Web says "Click This"

**CLUBS**

[Rochester DX Association](#)  
[AMSAT](#)  
[7240 Club](#)  
[Brainerd Area Amateur Radio Club](#)

**STORES**

[Fox Delta](#)  
[Oak Hills Research](#)  
[QRPme](#)  
[Five Dash](#)

**SOFTWARE**

[WSJTX](#)

**SDR**

[IQ Signals Part 2](#)

# WINTERFEST 2018

Tim Guyot, KB1POP, Winterfest Coordinator

We had a successful Winterfest. Thanks to all who came, especially those that brought food!

Speaking of food, here are the winners of the crock-pot cook-off:

- 1st - N2JAC - Pizza Casserole
- 2nd - KA2CGB - Buffalo Chicken Dip
- 3rd - NV2K - Pulled pork red sauce

The food was great, but this was still a RARA event, so of course we had radios. We got on the air with the club's Yaesu FT-450D as well as the Kenwood TS-440S that I bought at the auction this past November. We operated on three antennas. Dave Reussow (KC2DQS) lent us his Buddipole and Alpha-Antenna 6-160 meter J-Pole Sr end fed. We also made contacts on a dipole John Viggiano helped build the day of the event mostly from wire scraps Forest Shick brought to the general meeting earlier that week.



Contacts Recorded:

- W6BVB - California
- J52EC - Guinea-Bissau
- PR8ZX - Brazil

- And we lost the paper-plate log with the call sign, but we also reached Genoa, Italy

Lastly, our door prize, the Arduino Engineering Kit went to John Viggiano. John, if you come up with a cool application for the stuff in the kit, please share at a future RARA meeting!

## BSA RADIO MERIT BADGE

Mark Pedersen, KC2UES

RARA and the local BSA Council are hosting a Radio Merit Badge Day on Saturday, April 28, at the Council headquarters on Brighton-Henrietta Townline Road. We will start at 8:30 a.m. and run to 2:30 p.m. If you have an interest in teaching Scouts about radio, please sign up on the RARA Public Service page to help.

We will use the K2BSA three-module course to review the requirements and have the Scouts demonstrate, discuss, and draw as the requirements mandate.

These are the same slides that were used for the 2017 National Boy Scout Jamboree (<http://www.k2bsa.net/jamboree-radio-merit-badge/>).

We will also set up an HF radio station to permit the Scouts to practice what they've learned and create an interest in becoming licensed.

The radio merit badge class is SOLDOUT with two on the waiting list (<https://scoutingevent.com/397-meritbadgedays>). The next organized opportunity for radio merit badge would be at Eagle Flight, the Boy Scout summer camp at Bobcock-Hovey July 29 - August 5.

## VENTURE CREW 73 UPDATE

We have our leadership team and a date to begin recruiting for Venture Crew 73. The recruiting meeting is Wednesday May 16, 2018, 5:00PM at the BSA Headquarters. See the flyer on page 17.

Our leadership team is:

- Crew Advisor—Stephen Fell, K2SRF
- Committee Chairperson—Mike Moore, KC2NM
- Committee Member—Tim Brown, WB2PAY
- Committee Member—Jon Dickason, N2JAC
- Charter Organization Representative—Mark Pedersen, KC2UES
- Institutional Head—Forest Shick, WA2MZG

Thank You to all who volunteered.

PLEASE—invite your Sons & Daughters, Granddaughters and Grandsons, Nieces, Nephews and friends to attend—AND—Join!

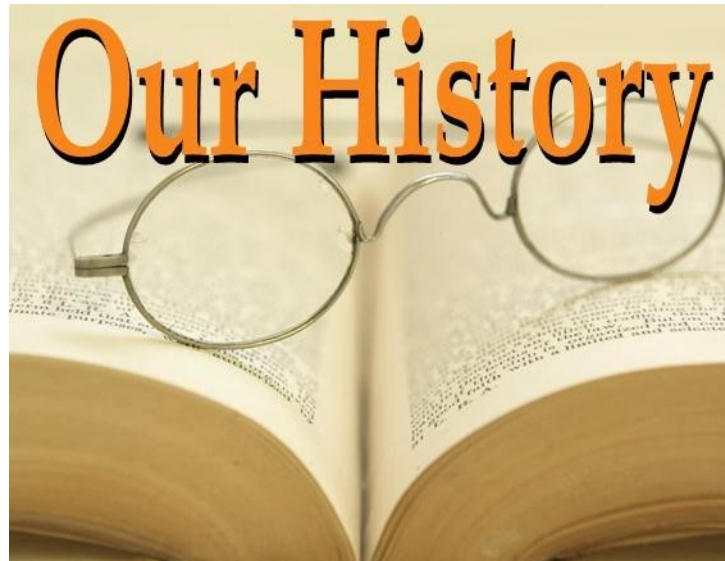
# RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN



40 Years Ago, April 1978

Following lots of tradition, too many years to accurately chronicle, this meeting was RARA's Old Timers Night with the Antique Wireless Association providing the entertainment and programming. Also following lots of tradition was our host and AWA co-founder Bruce Kelley W2ICE. Bruce brought a few museum artifacts for Show N' Tell and also a vintage film titled "Polar Adventure." Unlike many National Geographic travelogues, this one, narrated by Bud Waite, W2ZK, featured much ham radio activity. President Ed Gable, K2MP, thanked the nominating committee, headed by Bud Young WA2UGE, with members George Negus K2OIU, Tom Woodford K2TXO, and Len Gessin WA2ZNC, who will report and take nominations from the floor at the next meeting. RARA Membership Chairman Bob Erskine, W2NVZ, reported that there were 720 paid members. This issue saw the return of RARA to Field Day with an article introducing what the June party is all about and urging participation. Contact either co-chairman; Otto Bluntzer WB2RJB or Fred Shippey WA2BQA, if interested. Printed here was a much deserved "Get Well Soon" greeting sent out to Mel Wilson, W2BOC, after his recent surgery. Mel was very much liked in the area and especially so by members of the Rochester VHF Group. Mel is remembered world-wide for his writing and lecturing on 50 Mc and above radio wave propagation. No Silent Keys were reported in this issue. From the Want Ads you could buy a Hallicrafters SX-101A for \$125.00 from Dan, WA2EKT. MetroComm, of 37 Stone Road in Rochester remained a long term commercial advertiser offering Amateur and two-way radio products and service.



20 Years Ago, April 1998

"The ARRL Lab and Product Review Process," was the title of this month's RARA program as told by Vice President and Program Chairman Rick Wells, W2RW. Relatively new to the area was our speaker Rus Healy, NJ2L, the former Senior Assistant Technical Editor for QST, and now with Rochester's Microwave Data Systems, speaking on the ARRL methods to report on the Lab's product testing processes. Continuing in Part four of his monthly hamfest planning reports was Lloyd Caves, N2PU. This issue reported the addition of four hamfest programs to the already large list for your enjoyment. Those being: APRS for Beginners, the VHF Junior Academy, How to Build your New Ham Station, and the popular Ruf and Ready (aka W2RUF) Code Proficiency Tests. Keith Freeberg, N2BEL, reported that he and Marsha Lehman N2KNT, Bob Moore N2USB, Mary Remenicky KB2WSD and Suzanne Wyatt KB2LZV, joined efforts to present ham radio training to local Girl Scouts. Using the Strong Museum Auditorium, the all-day sessions presented the elements needed for 324 scouts in attendance to earn their Ham Radio Merit Badge. RARA readers were fortunate to have a guest tester from the RDXA pen a very interesting breakdown telling of his hands-on experience running the last six DX contests. Chris Shalvoy, K2CS, has a way of writing that makes 12 hours in the chair, listening to 160 meter QRN, sound like fun... and it is. Public Service Director Ed Holdsworth, N2EH, reported that there were eight public service events on the calendar and urges folks to sign up early. The last January VHF Sweepstakes, usually hotly contested in the Rochester area, saw extra activity with the RARA Club station, K2JD, opened for local members to operate. Taking advantage were Mike KC2BTW, Bob KB2ZGN, Allen KB2VZE, Bill WB2SXY and George N2UIO, as reported by the Team Leader and RARA Board Member, Peter Fournia W2SKY. With regret it was announced that Harry Hadler NC2N, Paul Modern K2GWT, Herb Loeffler W2RNZ and Gary Hans WA2SML, were reported as Silent Keys. From the Want Ads you could buy a Heathkit SB-221 amplifier from Dave, K2ZFM. Walker Towers, Installation and Maintenance of Ham Radio Antennas, Andy Walker KA2RBW proprietor, was a new commercial advertiser.

# VE TEAM

The next **ALWAYS FREE** testing session:

Saturday April 21st  
 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:

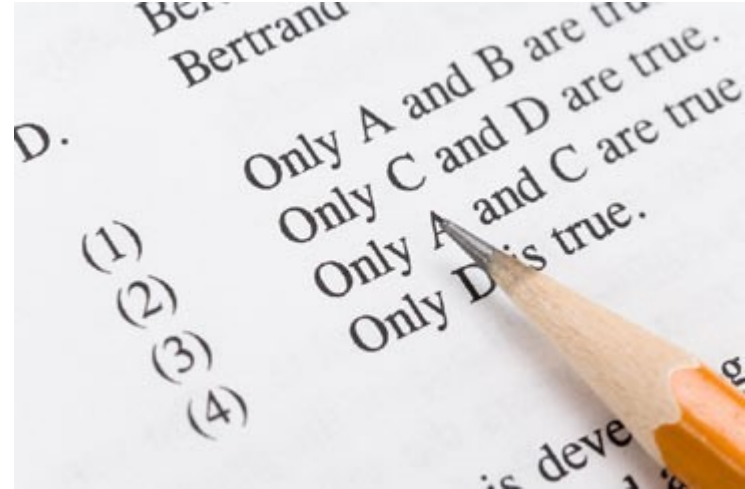
<http://wireless.fcc.gov/uls/index.htm?job=home>

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



<b>Paul Adamides</b>	KD2PII	T	<b>Deborah Smith</b>	KD2PIL	T
<b>Clay Cooper</b>	KD2PIJ	T	<b>Andrew Brownlee</b>	KM6QMW	G
Robert MacDonald Jr	KD2OHI	G	<b>Michael Brunsmann</b>	KE8JBV	T
<b>Cal Palumbo</b>	KD2PIK	T	Edward Borghi	WA2GSL	E

New licensees names are in BOLD



# RARA CALENDAR

Tim Barrett, K9VB

April 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>1</b> RSGB RoLo SSB	<b>2</b> IQRP Marathon RSGB Club Championship CW ARS Spartan Sprint	<b>3</b> IQRP Marathon Phone Fray	<b>4</b> RaRa Monthly Mtg 7:00pm, BSA HQ, Brighton Henrietta TLR  ROC City Net 8:00pm 3.826 MHz UKEICC 80M Contest IQRP Marathon	<b>5</b> RaRa BoD Meeting 5:45pm Novaworks 333 Metro Park Rochester 14623  ARES Net 146.61 MHz 7pm NRAU 10M Contest IQRP Marathon SARL 80M QSO Party NCC Sprints	<b>6</b> IQRP Marathon	<b>7</b> RaRa Academy – Batteries and Power Supplies 10am, BSA HQ AWA Museum Open 1pm - 5pm IQRP Marathon PODXS PSK31 Contest FL, TX State Parks on the Air MS, MO QSO Parties SP DX Contest
<b>8</b> PODXS PSK31 Contest FL, TX State Parks on the Air MS, MO QSO Parties SP DX Contest	<b>9</b>	<b>10</b> Phone Fray NAQCC CW Sprint	<b>11</b> ROC City Net 8:00pm 3.826 MHz RSGB Club Championship SSB	<b>12</b> ARES Net 146.61 MHz 7pm NCC Sprints	<b>13</b> ARCI QRP QSO Party	<b>14</b> AWA Museum Open 1pm - 5pm JIDX QSO Party OM/OK DX Contest F9AA Cup, PSK NM, ND, GA QSO Parties
<b>15</b> JIDX QSO Party OM/OK DX Contest F9AA Cup, PSK NM, ND, GA QSO Parties WAB 3.5/7/14 Data Modes International Vintage Contest Hungarian Straight Key Contest ARRL Rookie Roundup	<b>16</b>	<b>17</b> SIARC 7.30pm RDXA Run For The Bacon QRP Contest Phone Fray	<b>18</b> ROC City Net 8:00pm 3.826 MHz	<b>19</b> ARES Net 146.61 MHz 7pm NCC Sprints	<b>20</b>	<b>21</b> AWA Museum Open 1pm - 5pm Drumlins Hamfest, Palmyra NY Holy Land DX Contest China DX Contest YU DX Contest MI, NE, ON QSO Parties EA-QRP CW Contest
<b>22</b> Holy Land DX Contest China DX Contest YU DX Contest MI, NE, ON QSO Parties EA-QRP CW Contest	<b>23</b>	<b>24</b> SKCC Sprint Phone Fray	<b>25</b> ROC City Net 8:00pm 3.826 MHz UKEICC 80M Contest	<b>26</b> Monroe City ARES 6pm, Red Cross Center, Prince St RSGB 80M Club Contest, Data NCCC Sprints	<b>27</b>	<b>28</b> AWA Museum Open 1pm - 5pm RDXA + RVHFG Banquet 10-10 Digital Contest SP DX RTTY Contest Helvetia Contest FL QSO Party
<b>29</b> 10-10 Digital Contest SP DX RTTY Contest Helvetia Contest FL QSO Party	<b>30</b>					

# 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, April 26, 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.monroecountyemcomm.org](http://www.monroecountyemcomm.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 April 20, 2018 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 PM.

This month's presentation is undecided so far. For more information visit [www.k2rra.org](http://www.k2rra.org) where late breaking news will be presented.

The RRRRA officers are Bob Shewell, N2HJD President, Bob ODeil, 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)

## 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](http://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

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 Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be on Wednesday, April 11th. There will be License Exam Testing starting at 6:30PM. 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 Firehouse on Gardner Road in Horseheads, New York.

Chemung County ARES (CCARES) meets the first Tuesday of the month except February at Harris Hill. See [www.ccares.info](http://www.ccares.info) for meeting details.

CCARES covers the entire area in Chemung, Schuyler and Steuben Counties and everyone is welcome.

On April 14, 2018 from 10 am to 3 pm ARAST will be participating for the first time in the Twin Tiers Maker Faire at the Arnot Mall just off I-86 Exit 51A in Horseheads, New York. See [www.twintiers.makerfaire.com](http://www.twintiers.makerfaire.com) for the details. There will be plenty of attractions for the whole family!

Look for details of our Field Day activities in an upcoming RARA RAG.

Don't forget to mark your calendars for next year's hamfest on September 29, 2018 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. We also need communicators for the 2018 Wineglass Marathon. 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](mailto:emergencycoordinator@stny.rr.com) as soon as you can. EMO needs to be notified who's out there.

Our new website is undergoing construction and is almost complete. Check it out at [www.arast.info](http://www.arast.info). 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](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/refreshers period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9pm (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30pm on 147.285+. We'd love to hear you check-in! Take a look at the club website for more info: [www.k2srv.org](http://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 dvrptr 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 first Tuesday of the month, 7PM, 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](mailto:info@interlockroc.org), or find us in #interlock on Freenode IRC.

# GENESEE VALLEY AMATEUR RADIO ASSOCIATION

2018 Meeting and Testing Schedule

Testing Schedule:

Saturday, March 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](mailto: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](http://Rochestermakerspace.org)

## ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

For more information visit <http://www.rochesterastronomy.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 MARKETPLACE

Your commercial ad could be here! The RARA RAG can help spread the word on your business at very reasonable rates. Contact us for details at [editor@rochesterham.org](mailto:editor@rochesterham.org).

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# RARA OFFICERS, DIRECTORS AND COORDINATORS

## OFFICERS

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<b>Club Station Trustee</b>	Jim DiTucci, N2IXD	<a href="mailto:n2ixd@arrl.net">n2ixd@arrl.net</a>	<b>Public Service</b>	Mike Moore, KC2NM	<a href="mailto:mikemoore@ieee.org">mikemoore@ieee.org</a>
<b>Education</b>	Tim Brown, WB2PAY	<a href="mailto:tjbrown@rochester.rr.com">tjbrown@rochester.rr.com</a>	<b>Raffle Administrators</b>	<b>Volunteers Needed</b>	
<b>Hamfest Co-Producers</b>	Tim Guyot, KB1POP Mike Kolstee, KD2IZQ Mike Moore, KC2NM	<a href="mailto:timguyot@gmail.com">timguyot@gmail.com</a> <a href="mailto:mckolst@yahoo.com">mckolst@yahoo.com</a> <a href="mailto:mikemoore@ieee.org">mikemoore@ieee.org</a>	<b>RARA RAG Editor</b>	Forest Shick, WA2MZG Dawn Leopard, KC2VJU	<a href="mailto:editor@rochesterham.org">editor@rochesterham.org</a> <a href="mailto:dawn@leopard.ca">dawn@leopard.ca</a>
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# MAY RAG DEADLINE

**APRIL 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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**XRX Amateur Radio Club**  
Brian Donovan, K2AS: [k2as@outlook.com](mailto:k2as@outlook.com)

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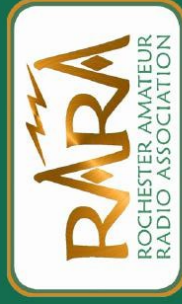
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