



THE RARA RAG

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

OLD TIMERS NIGHT

ANAND CHOUDRI, KC2KPG - RARA VICE PRESIDENT

ANTIQUE WIRELESS MUSEUM

April is old timers' night. We will have Bruce Roloson, W2BDR from the Antique Wireless Association at our meeting. Bruce is also the curator of the museum. He will talk about what is new at the AWA Museum and their upcoming Ham Station. Talks by the folks at the AWA are always interesting. I hope you will join us Wednesday April 5th at 7:00 PM at the Boy Scouts building located at 2320 Brighton Henrietta Town Line Rd, Brighton, NY 14623.



APRIL 2017
VOLUME 69, ISSUE 8

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PREZ SEZ

FOREST SHICK, WA2MZG—RARA PRESIDENT

Inspiring words, interesting thoughts, provocative statements, new ideas - not this month. Between the wind storm and the snow storm, any energy for writing something meaningful has been zapped!

We never lost power. My 4 antennas survived. The shingles on the roof and the siding on the house are undamaged. My trees only dropped a few "live" branches, but did clutter the yard with many, many dead branches. And - hopefully - today brings my last chance of the season to participate in my favorite winter sport - snow blowing the driveway!

A quick look ahead - Rochester Hamfest 2017 - Tim Guyot, Tim Barrett and Anand Choudri are hard at work preparing for our hamfest on Saturday June 3rd. As with any hamfest, large or small, there are many opportunities to volunteer. Please volunteer. Better yet - ask Tim, Tim and Anand what you can do to help. Send them an email stating that you would like to volunteer. Their email addresses are at the back of the RAG.

We welcome the Rochester Makerspace to our News From Area Clubs section of the RAG.

We are on the cusp of warmer weather. We are wrapping up all of our indoor ham radio projects. Share what you have been doing this winter with our readers. Write an article. You will receive 5 reward points as a thank you.

Remember our new benefit - trade your membership reward points for gift certificates from Ham Radio Outlet, Universal Radio or ARRL.

Lastly, with the dynamic weather we have just survived, I hope some of you will volunteer to share your interesting ham radio experiences at the next meeting.



CALENDAR OF EVENTS

APRIL 5TH - RARA General Meeting

7:00 PM at BSA Headquarters, 2320 Brighton Henrietta Town Line Rd

APRIL 6TH - RARA Board of Directors

5:30 PM at BSA Headquarters, 2320 Brighton Henrietta Town Line Rd

APRIL 15TH - RARA VE Testing

10:00 AM RIT Gleason Hall, Room 9-3139

RARA PUBLIC SERVICE SEASON IS ABOUT TO BEGIN

Mike Moore, KC2NM, Public Service Coordinator

I am very happy to take over the RARA Public Service Coordinator job from Jim Stefano, W2COP. RARA has a long history of serving the community and Jim has brought a high level of organization and built some great relationships in this service. Thank you, Jim!

When you volunteer with RARA, you help: educate the public about the Amateur Radio Service, welcome newcomers, encourage self-training and skill advancement and bolster a nationwide emergency communications network. RARA provides the primary communications and logistics support for many high quality charity events this year and will make a key impact in the success of these events and the worthy causes that they support! Does this sound like a positive experience for you, for just talking on the radio in most cases?

HAMS can help at all levels, whatever is comfortable and suits your ability. We need team Captains and co-captains, rest stop operators, route sweep vehicles and sag transport operators, safety operators, etc. The events range from 100 mile cycling routes to 5 mile walks and events on the water, all in the Rochester and Finger Lakes Region, with a chance to meet and work with HAMS from Monroe and surrounding counties.

Please take a minute to visit our Public Service webpage and sign up for a few of these great events, all meant to benefit the health of the community where we live and work in one form or another. Feel free to bring along a friend or spouse even if they are not a HAM, the more hands on-deck we have the smoother the operation. This is also a great opportunity for you 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.

Hope to see you out there this year! http://rochesterham.org/public_service.htm



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585.362.8564

Keller Williams Realty Greater Rochester
2000 Winton Rd South Building 1-201
Rochester, NY 14618



MY HAMMARLUND HQ-129X REBUILD

Bill Hopkins, AA2YV

Candy Time: Take ur pick at the AWA Spring Meet this May 7

That's where I got mine last year, for about \$70. Some other guy was bidding against me, but I politely scowled and kept raising my bidding card in the air. I guessed he wouldn't hold out for a radio with an ugly replacement S-meter. My advantage.

So WHAT was I thinking(?), since I habitually fool myself that I can repair anything. (I always remind myself that the perfect is the enemy of the good.) Anyway, this baby couldn't have been secretly schlepped down into my workroom; after all, the HQ-129x weighs 50 pounds! With repaired hernias aboard, I took the plunge, so down it went, once I got it home. Boy, did I snag a fantastic project!

Wanna know some history?

In 1945, when the HQ-129x was sold on the post-War market, it cost \$129 (with tubes, no less), and this steal-of-a-deal threatened to put the company under. What a windfall for a CW shipboard Sparks returning home! He couldn't yet snag a BC-348 B-17 bomber receiver or an ARC-5 CW transmitter (virtually all of them constructed by women, don't forget). These cast-offs would soon be on the gray market for pennies.



My Rebuilt Hammarlund HQ-129x



1946 ARRL Handbook

Hammarlund SP200 (BC1004) tuned to an American installation in "TOKYO" and running 24-7. These radios had to run, run run.

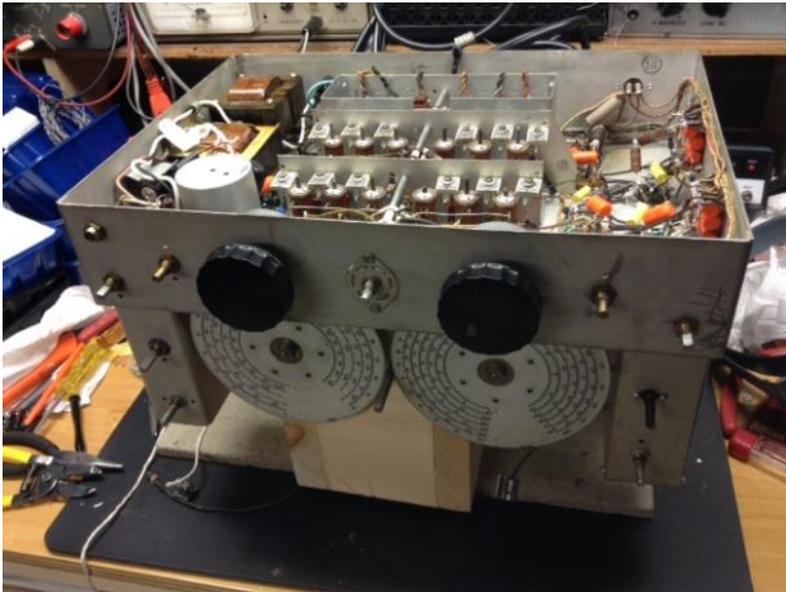
So What's My Project?

That's why my HW-129x is waaay overbuilt. The parts inside are milspec. Its single-conversion architecture already sports a four-stage crystal filter and phasing. It works so well as-is, that I wouldn't waste my time installing a Heathkit outboard Q-Multiplier.

Later I would tackle the S-meter swap-out and the ugly slashing done to the faceplate. Right now I needed to replace all those resistors and caps under the chassis. Remember, this is a heavy dude, so I built myself a sturdy, narrow wooden box and strapped it to the tuning cap cage – top center – to avoid stressing any IF cans, etc. when I had the radio upside down on the bench.



Repairing an ugly "mod"



HQ-129x upside down on special wooden block

Then I went to work. On some radios, where I replace some of the components, I snip the leads, bend the wires around and just hook the new caps or resistors in place. Not here. I determined to clear everything out and not damage the phenolic tie points or the tube socket pins.

I could write a couple chapters about my rebuild of this radio, but I'll stick to some highlights.

How I De-Solder

Here's my crazy-man method to de-solder. For this much solder, solder wick takes too long (parts get damaged by heat), and a rubber solder sucker is a joke in my opinion. Depression-era man to the rescue! I fetched my small, trusty Sears electric tire pump with its inserted basketball needle and plugged it in right next to Ye Olde Weller soldering iron. And I was almost ready! With a few well-placed rags or tissue around, under and behind each de-solder action (to prevent solder splatter into the chassis cage), I turned on the pump (nozzle in one

hand) and took the Weller in the other. Then, I put on my safety glasses. The old one-two punch worked! Solder splattered on the rags, and I could now wiggle the old component out of its hole. You've got the idea. It's a great boyhood feeling to destroy things, isn't it?

The Artiste and the Nerd

You can use my trusty methods to repair any Boat Anchor or Flimsy Solid State item you choose to bid on. But how, in Nature's name, you ask, do you think you can get this thing back together AND WORK??!! Not to worry. Just pick up a bound school essay notebook to draw your under-chassis component hookups before you remove them. Be neat with a pencil (have a good eraser handy) and sketch it all out. Wind the wire connections around on the paper to distinguish from this or that other hookup. It can be messy, folks. Label each section of the radio wiring as you go.

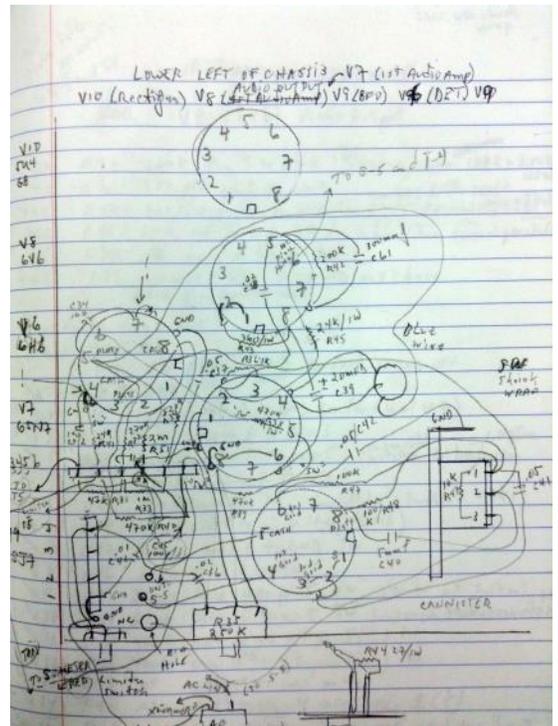
Right next to your notebook you need the schematic and parts list, which you can almost always get from the Internet. (Heathkit radios present a greater problem, because most of their manuals aren't online anymore.) As you remove each part, assure yourself that your artsy rendition agrees with the schematic. This way you can easily spot any modifications a smart or not-so-smart tinkerer inserted into your now-precious radio. (My advice?: take your radio back to its basic schematic; trust no one.)

Oh, Oh!, one more thing. Take photos with your handy pocket camera thingy. Many of them. Take close-ups, but wait for the camera to focus before clicking. Take several angles.

Keep all those nobs, screws, bolts and nuts discreet! Use the plastic trays that mushrooms are usually sold in. They nest well, and you'll be able to keep front panel and underneath fasteners separate. When you get to the re-assembly stage, not a screw will be missing or go wanting.

Buy Those Parts!

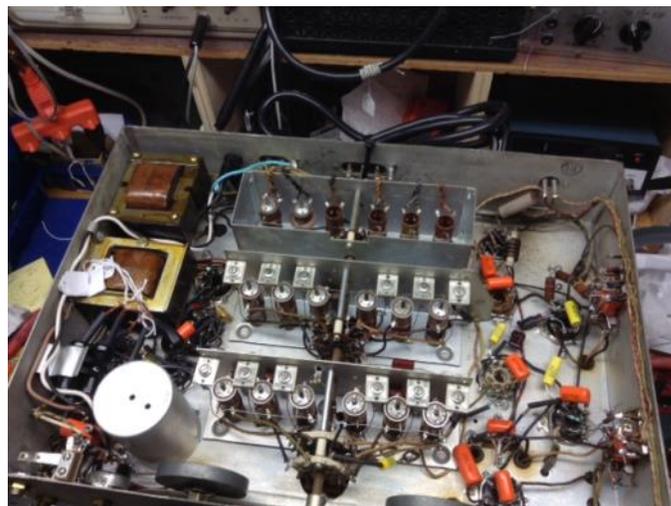
How many weeks have you spent so far? Not counting. This is therapy, my friend, and the therapist intends to keep you for a few more weeks. Neva, neva hurry. Go through your own pencil list of replacement caps and resistors, comparing it with the manual's parts list, and find a parts supplier that suits you (Mouser, Digikey, Allied, who-dun-it). Take your time on this. Why have to order two or three times? So, will you pay as much for the parts as for the old radio? Of course! What do you think your money is for anyway, Bingo? Besides, you bought the radio three months ago, and now it's getting on toward Fall. You'll never miss what you're paying out. You LOVE this radio.



Sketch of detector, AVC and audio stages

Putting it together

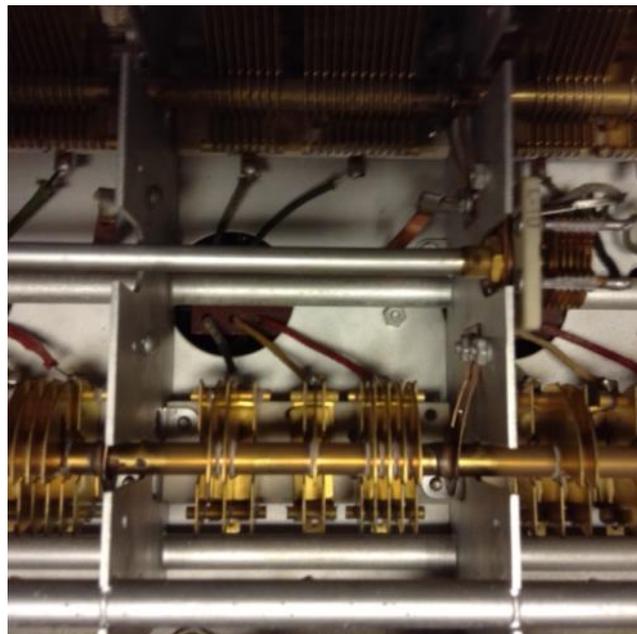
This is a really important step, duh! No really! Figure out how you took things apart. Your multi-page logbook will be valuable here. Ask yourself: Do I install the AVC circuit before I hook up the IF cans in this back corner? Depends. What wires originally went on the bottom and what go over these? This is where your photos are crucial. Why? You MUST string the wires and copy their original lengths the same way as the rig originally looked. Don't disrespect all those long-departed engineers and techies who made this radio work to peak capacity. Frequently, an improvement at the factory was just a moved wire, especially away from the Power Supply area, or one that had to be twisted together and hug the floor of the underneath chassis. As for me, I re-install the power supply items (big caps and resistors) last.



All new resistors and capacitors in place

A Repair or Replacement, Anyone?

It could be that will have to repair an item or even fabricate a replacement out of thin air. I certainly did. I bet you can find someone at RARA or the AWA who's been there-done that. Ask advice. Hams love to chit-chat. And why re-invent the capacitor holder or the big tuning cap contact flanges? Somebody's got to know what to do. And if you're totally on your own, you will finally figure out that you were pretty smart all along.



Re-Alignment: Glitches and Glory

If you've never aligned or re-aligned a receiver, you can do it! Read over the alignment procedures in the manual several times. Get it in your head. Sometimes, important stuff is not mentioned. But again, someone knows. Ask "us." If you need test equipment, I bet an Elmer at RARA has an old signal generator to loan.

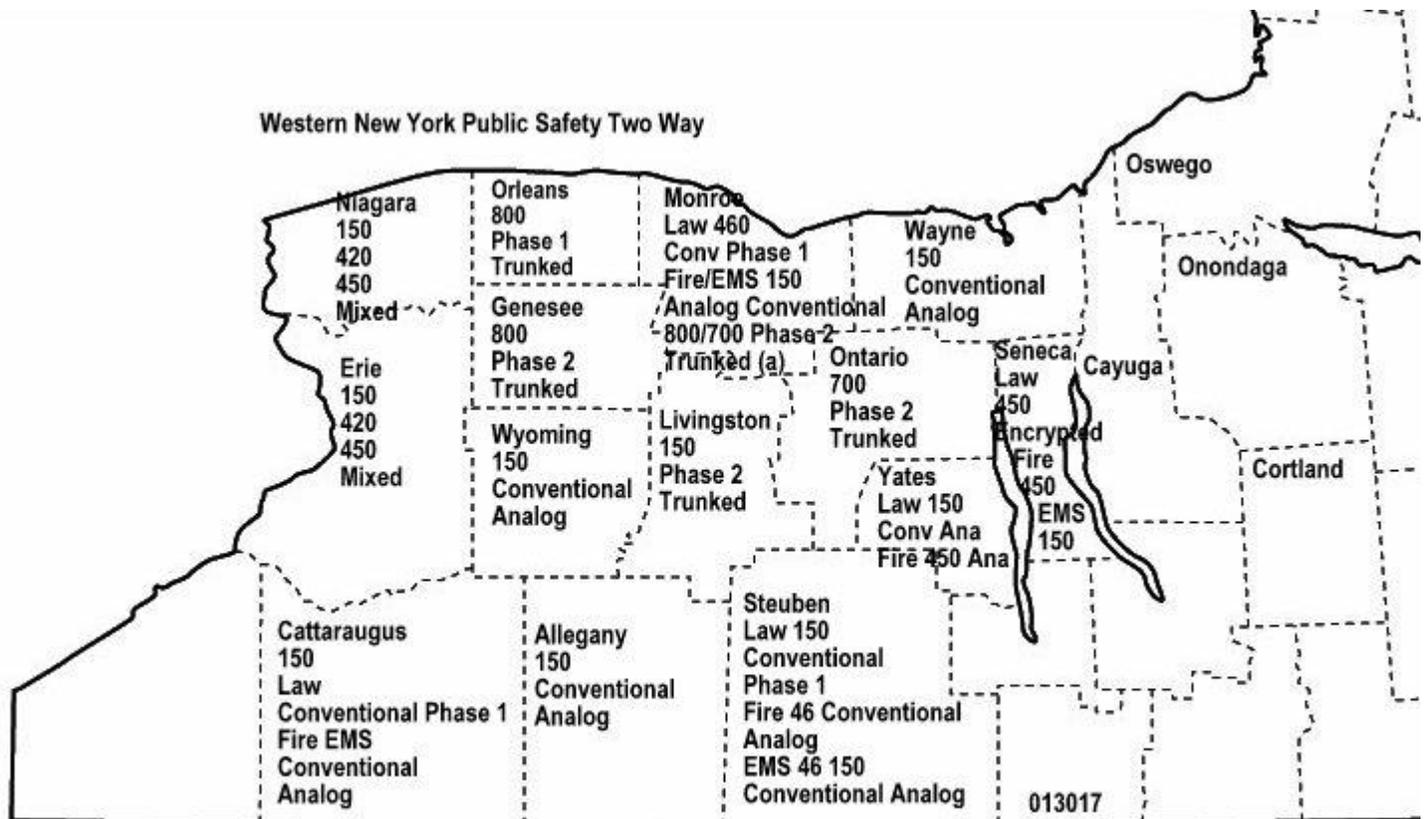
This baby's gotta work! You can achieve remarkable results, but don't expect a radio to track perfectly-perfectly across each band. We're not phase-locked-loop here, people. Nor should you expect great sensitivity above 14 MHz. That's just the way the world is with most of these older radios.

But Will You Have Fun?

Yes!, and you'll improve your PQ (patience quotient). You will enter the ranks of us who have taken a radio model under our wing, nursed it back to health and would love to rescue other orphans. That's why a Hammarlund BC-1004 is due on my doorstep this morning via UPS – any hour now. Oops!, here they are.

WESTERN NEW YORK PUBLIC SAFETY TWO WAY

Jim Sutton, N2OPS



Cayuga, Cortland, Onondaga and Oswego Counties are part of the Central New York Phase 1 Interoperable Trunked 450 system
(a) Monroe County is 800 west and 700 east

Last month we looked at the fragmented web of county fire dispatchers. Far more fragmented is the ability to communicate across county lines.

For low band fire units there was channel two 46.22 across the state giving mutual aid communications no matter where the action took them. Law enforcement had common frequencies of 39.18 and 155.370. Later EMS had 155.175 for MCI.

Now we do have Interop VHF and UHF frequencies which are often ignored when salesmen make pitches for complex trunked systems. Our area was supposed to be a seamless 700 MHz system that never became reality. Instead it is a patchwork that seldom allows communications once the action crosses a county line. The map shows the basics which call for complicated and costly scanners for many listeners.

www.radioreference.com has the basic information as is supplied by local listeners.

In the months to follow I will look into each individual county. Any info you can forward would be appreciated.
jim@otrym.org

RARA RAGS OF THE PAST

Ed Gable, K2MP – RARA Club Historian

20 YEARS AGO, APRIL, 1997

Continuing on the long theme of RaRa offering state of the art programming and pushing the envelope, April brought the latest buzz words to eager members with a discussion and in depth analysis of what it takes to enter the world of Packet Radio. And who better to do that than RaRa's own packet guru Mr. Jack Tripp, N2SNL. Jack was ably assisted by George Masny KB2GPJ, who told of local packet resources by defining the Kodak-Park ROCBBS packet board. Lloyd Caves, WB2EFU, continued with Part IV of his series on identifying the planned features for the 1997 Rochester Hamfest. In this issue Lloyd revealed yet more programs including an ARRL Forum by ARRL President Kay Craigie WT3P, a program on Education Through Communications will be presented by Joe Fairclough, President of the Radio Club of Jr, High School 22, N.Y.C., and a DX Meeting conducted by Bill Kenamer, K5FUV, who is the head of the DXCC Program at the League. George Lloyd, N2UIO, wrote to announce the regular meeting of the RaRa Amateur Television enthusiast group which meets on the 3rd Thursday of each month at the K2JD Club station, 111 Westfall Road. At that time RaRa had a functioning, but little used, ATV repeater with a focus on use by RACES and ARES. At this time RaRa had 701 members. Peter Fournia, WB2SKY, reported that RaRa had a modest start with a new Internet Website consisting of five informational pages. The Rochester DX Association announced that their 1997, winner of the President's Award was a very well deserving Fred Gern, K2FR. From the Want Ads you could buy a Kenwood TS-950SDX for \$2700, from Irv Goodman, AF2K. Patrick Moyer, N2AIW, Attorney and Counselor-at-Law, remained a long term advertiser.

40 YEARS AGO, APRIL, 1977

The RARA RAG

Published by

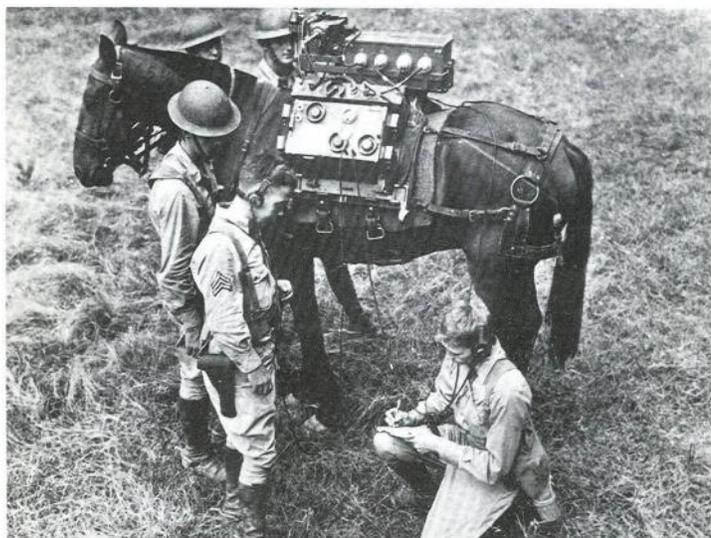
The Rochester Amateur Radio Association

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VOL. 29

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NO. 8



"MOBILE OPERATION WW1" You haven't seen anything yet -- attend the April Meeting and see what they were using in airplanes...

The Good, Old Old Days

by Al Lydradeo, AKA, W2MPM

That is the theme for the April Meeting. Our title is appropriate since the show and equipment will deal with material no later than world war I. Spark transmitters, rickety airplanes, the founding of the ARRL, and much more.

This ever popular Old Timers Night is a delight for youngsters and oldsters alike. The program, sponsored by the Antique Wireless Association, will be hosted by the venerable Linc Cundall, W2LC. "Elsee" will not require any prompting or written notes to explain the material presented, - he was there!

So come along and renew old acquaintances. The starting time will be at 8 p.m. in the regular RaRa meeting room at the Monroe County Farm and Home Center, 249 Highland Avenue. The date? April first, no foolin.

Rochester HAMFEST MAY 20 - 22

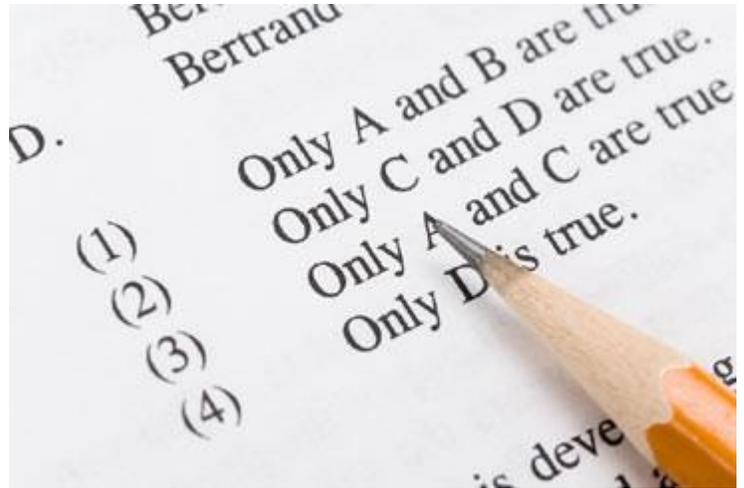
The largest hamfest in the Northeast, the Rochester Hamfest and New York State ARRL Convention will be held here the weekend of May 20-22. Hotel headquarters is at the Rochester Marriott. The Hamfest flea market, FCC exams, exhibits, and programs will be at the Monroe County Fairgrounds.

A brochure announcing the Hamfest will be in the mail soon to more than 10,000 people on our mailing list. If you think that your name may be missing from the list, send a card to Hamfest, Box 1388, Rochester, NY 14603. Tell your out of town friends the address. Tell them about the Hamfest too!

The cover of this issue featured an early mobile unit from the WW1 era. No, not a Ford Model T, but a genuine four legged, one mule, battery operated transceiver. That unusual photo introduced our speaker, Mr. Linc Cundall, W2LC, who was the host for RaRa's annual Old Timer's Night. Licensing Class Director Bob Lauzon, K2RL, reported that 44 students signed up for Ed Holdsworth's (N2EH) Novice Course while 58 eagerly awaited the start of Ed Gable's (K2MP) Spring General Class theory course. Dave Hassett (sk) K2SQI, announced his retirement as a long standing license class instructor. At this time the classes were held at the RaRa K2JD Club station located on the old IOLA Complex on Westfall Road. In a bit of over-reaction, the FCC announced that due to unauthorized use of Amateur equipment by CB operators, it will no longer allow Linear Amplifiers sold into the Amateur Radio market to have 10 meter capability. With regret it was written that Robert Shorey WA2HUI, William Swain K2MAJ and William Gombert K2RUM were reported as silent keys. From the Want Ads you could buy a Hammarlund HQ-110-C from Earl Holtz, W2WQV for \$115.00. A new commercial advertiser was Hamtronics, Inc., of Belmont Road in Greece (Jerry Vogt WA2GCF).

VE TEAM

The next **ALWAYS FREE** testing session:
 April 15, 2017 (Third Saturday)
 Rochester Institute of Technology
 Kate Gleason College of Engineering
 Gleason School of Engineering, Room 3139
 Building 9
 Use "J" parking lot
 Registration at 9:45AM
 Testing begins 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

February

Michael Downes	KD2FXU	G	Robert Renko	KD2MXO	T
Joseph Tripodi	N2WNY	G	Ryan Brenek	KC1HAY	G

March

Benancio Vasquez	KD2MAT	G	Merrick Wright	KD2NCV	T
Bob Berch	KD2NCT	T	Mark Ranalletta	KD2NCW	G
Mark Shaver	KD2NCU	T	Matthew Ryan	KD2NCX	T

New licensees names are in **BOLD**
 RaRa members names are in **GREEN**

RARA CALENDAR

Tim Barrett, K9VB

April 2017						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 15M SSTV Contest LZ 40M Sprint PODXS PSK31 Ctst SP DX Contest MS, MO QSO Pties NA SSB Sprint
2 15M SSTV Contest MO QSO Party SP DX Contest	3	4 Phone Fray	5 RaRa Monthly Meeting 7:00pm, BSA HQ, 2320 Brighton Henrietta TL Rd	6 RaRa BoD Meeting 5:30pm, BSA HQ, 2320 Brighton Henrietta TL Rd NCCC Sprint SARL 80M QSO Party	7	8 JIDX CW Contest OK/OK DX Contest Texas State Parks NM,GA QSO Parties Gagarin DX Contest
9 JIDX CW Contest OK/OK DX Contest Texas State Parks NM,GA QSO Parties Gagarin DX Contest HA St Key CW Ctest Vintage HF Ctest	10	11 Phone Fray	12 SIARC 7.30pm	13 NCCC Sprint	14	15 Holyland DX Ctest ES Open Contest Wkd All China Ctest YU DX Contest MI,ON,ND QSO Pts
16 Holyland DX Ctest ES Open Contest Wkd All China Ctest YU DX Contest MI,ON,ND QSO Pts WAB Data Modes ARRL Rookie SSB	17 2M Sprint	18 RDXA 7.30pm Phone Fray	19	20 NCCC Sprint	21	22 QRP to the Field UK/EI CW Contest SP RTTY Ctest NE QSO Party
23 UK/EI CW Contest SP RTTY Ctest NE QSO Party	24	25 Phone Fray 222 MHz Sprint	26 UK/EI 80M Ctest	27 NCCC Sprint	28	29 10-10 Digital Ctest Helvetia Contest FL QSO Party
30 10-10 Digital Ctest Helvetia Contest FL QSO Party						

Print this calendar and leave it by your radio.

SAVE THE DATES

Winterfest - Saturday February 10, 2018 - Stewart Lodge, Mendon Ponds Park

Picnic - Saturday July 8, 2017 - Mendon Ponds Park, West Lodge

Banquet - Friday September 22, 2017- Burgundy Basin Inn

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 27, 2017, 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 7:00 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

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 2017.

ROCHESTER RADIO REPEATER ASSOCIATION, RRRRA

The Rochester Radio Repeater Association, RRRRA invites you to attend its April 21, 2017 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 PM.

April is RRRRA's gadget / show and tell month. During these winter months you probably bought a goodie from one of our local auctions or E-bay that you would like to show off. Maybe you worked on a project you think other would be interested in seeing. RRRRA's April meeting is the place to show it off. Hope you can make it to the meeting and maybe bring something to show.

The RRRRA officers for 2016 - 2017 are Bob Odell, N2BZX-President, Bob Shewell, N2HJD-Vice President, ED Wilkonski, KC2WM-Secretary, and Bob Smith, NS2B-Treasurer / Membership Chairman.

RRRA also accepts donations to the club. If you are not currently a member and want to support RRRRA, you can join at our monthly meeting or on our web site www.k2rra.org

ROCHESTER VHF GROUP

For information on the Rochester VHF Group, visit our website www.rvhfg.org for details.

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.

ROCHESTER DX ASSOCIATION, RDXA

See website for details.

XRX AMATEUR RADIO CLUB

The next meeting of the XRX Amateur Radio Club will be on Thursday, April 13, 6PM, at the Webster Recreation Center. Check for details at <http://xarc.us>

There will be a System Fusion digital net on Tuesday March 28, at 8PM on the W2XRX 145.29 Repeater in Canadice. The mode will be DN only - and will be also available in the WNY Hub Room #21704. All stations with Fusion C4FM capabilities are welcome.

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. The meeting in April will be moved to the County HR building at the Ontario county office complex. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be April 12th. No VE testing this month.
73's Steve Benton VP SIARC WB2VMR

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER

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 year's hamfest September 30, 2017 located at the Chemung County Fairgrounds in Horseheads , NY.

Our website is undergoing construction. However I understand that until the re-write is complete, it will still be usable. So go ahead and check out our website at www.arast.org .

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 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 second Wednesday of the month at the Chili Public Library. The Library is located at 3333 Chili Ave, Rochester, NY 14624. This month, Dr. Ed Fong WB6IQN of Univ. of California (formally at Berkeley and presently at Santa Cruz – Silicon Valley) will be joining our club via Skype for a presentation on Antenna theory. Dr. Fong holds several antenna patents and has his designs published in CQ Magazine, several ARRL antenna books, along with the ARRL Handbook. We will also be discussing the details of our upcoming event, Hanging wires in the Park. This will be our first outdoor event, aimed at creating a temporary setup and making contacts as a club. This event is scheduled for Saturday April 29, 2017 in Black Creek Park.

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

Tuesday, April 4, 7pm: Member Meeting & Presentations & Open House, open to the public

Friday, April 7, 7pm: Rochester 2600 - <http://www.rochester2600.com/>

Tuesday, April 11, 8pm: "How Do I..." seminar series

Friday, April 14, 7pm: [SDR / Wireless Meetup](#)

Saturday, April 15, 12pm to 4pm: [Linux Workshop](#)

Friday, April 21: BSidesROC Training Day - <https://www.bsidesroc.com/events/training-day/>

Saturday, April 22: BSidesROC, Rochester's open hacker conference - <https://www.bsidesroc.com/>

IT'S THAT TIME AGAIN: BSidesROC, Rochester's hacker conference, returns to RIT on April 22nd, with training workshops on April 21st. The theme this year is Crypto Cold War. Tickets start at \$10 (\$15 after March 25th); for another \$15, get an awesome t-shirt. You can find out more at <https://www.bsidesroc.com/>

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. Be sure to check Meetup for other events and cancellations: <https://www.meetup.com/Interlock-Rochester-Hackerspace/>

GENESEE VALLEY AMATEUR RADIO ASSOCIATION

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

HAMFESTS

Drumlins Hamfest
Saturday April 22, 2017
<http://drumlinsarc.us/hamfest-info/>

Antique Wireless Association Spring Meet
Saturday May 6, 2017

ROCHESTER HAMFEST 2017
Saturday June 3, 2017
<http://www.rochesterhamfest.org/Hamfest.htm>

RAGS Hamfest
Sunday July 9, 2017

Batavia Hamfest
Saturday July 15, 2017

Ithaca Hamfest
Saturday August 5, 2017
<http://tcara-ny.org/hamfest/>

RRRA Hamfest at Barnard
Saturday August 19, 2017

Lancaster Hamfest
Saturday September 9, 2017

Elmira Hamfest
Saturday September 30, 2017

NOTE: Hamfest information is acquired from various sources. If I am unable to locate 2017 hamfest information on your website, then there will be no link on this page. When a link is available please send it to

editor@rochesterham.org

Thank You



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Please contact:

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(585) 265-3027

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. |

VISIT THE RARA WEBSITE!

Did you know that your club's website (www.rochesterham.org) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the RAG in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings



RARA MARKETPLACE

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	- 8.6 x 3.5	\$600

The above prices are **per year** - not per month as is typical in other publications.

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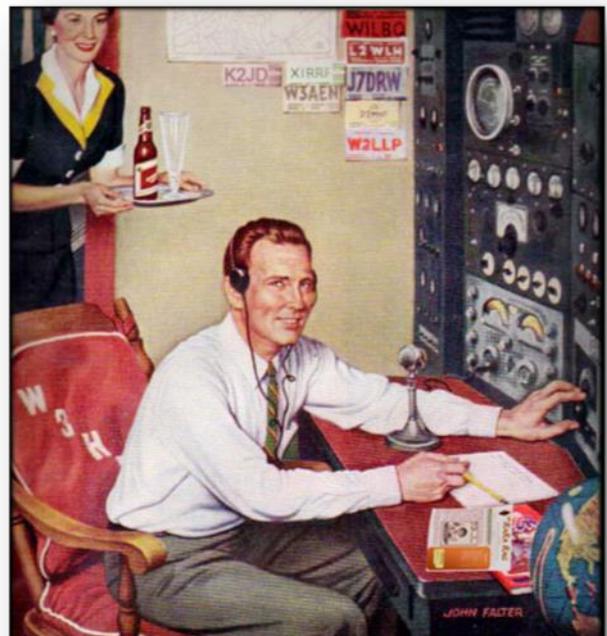
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OFFICERS

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MAY RAG DEADLINE

APRIL 15, 2017



RARA meets at 7PM on the first **Wednesday of each month; come join us at:**

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

[Get Directions](#)

[Rochester Area Repeater Listing](#)

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