



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.
Founded in 1930

VOL. 64

February 2012

NO. 6

Shocking, Utterly Shocking!

By Bill Marinucci, WB2GHC

One thing for sure, *sparks will fly* at our next meeting!

Now that I have your attention, let me tell you what all of the buzz is about. If I were to mention Tesla, one of two things might pop into your head immediately. If you are of a younger nature and listen to harder rock, you know Tesla to be the name of an awesome band. But, if you are more of a technical type person, Tesla means Nikola Tesla, who invented the Tesla coil around the year 1891 A.D. The Tesla coil is essentially a high-frequency air-core transformer, which was designed to produce high voltage, low current, and high frequency electricity.

You will be able to see firsthand a Tesla coil in operation at our February meeting. Our presenter is Jamie Oliver, KF2B. Jamie holds an Amateur Extra Class license, and has been a ham since 1972. He is an Electronic Engineer for Eastman Kodak in the Document Imaging Division.



Jamie defines a Tesla coil as a "double-tuned resonant transformer, where the primary is tuned and the secondary is also tuned and they both must be tuned to the same frequency." He states that he really enjoys 'playing' with high voltage Tesla coils, and knows of the precautions that need to be made when working with these high voltages.

This is a great opportunity to both learn more about the Tesla coil and its idiosyncrasies, as well as seeing an actual Tesla coil in operation. Be prepared for an *electrifying* evening on February 3, 2012 at our next RaRa meeting!

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RARA Meeting February 3, 2012 7:30PM

Henrietta Fire Co. #1
3129 East Henrietta Rd. (15A)



The Prez Sez

By Frank Schramm, WB2PYD
President, RaRa

Brrrr... Old man winter has arrived and I hope you got all your antenna work completed while the weather was mild. The weekend RadioSport activities are in full swing again and thanks to Duane, K2SI, you can now submit your logs and specify RaRa as your club. To do so, you simply put "Rochester (NY) Amateur Radio Association" (without the quotes) in the club name field of your log submission. Thanks Duane!

Hungry? It's almost time for the RaRa Cabin Party! This year Gary, KA1NJL, is producing an awesome party with a "Crock Pot Cook-off" and at least one HF operating station. Look for details in Gary's article below.

In the interest of full disclosure, I want to remind everyone that even though we do not discuss "business" at the monthly meetings, *every RaRa member is welcome at the board meetings*. In fact any member who attends a BoD meeting is invited to join us for dinner afterwards – my treat. Officers and Directors are also available to answer any inquiries about club business at every meeting or contact us by e-mail. The Treasurer's report is also always available for examination at each meeting. It's **your** club, and you have a right to know. BoD meetings are listed in the "Calendar of Events" every month here in the RAG.

What can we do for you? Our primary objective is to Entertain, Educate, and maybe even Enlighten. Do you have any requests for a program or presentation topic? E-mail our Vice President (VicePresident@RochesterHam.org) with your comments and suggestions. Are you involved with a scout troop that might be interested in a Ham Radio presentation? Or are you interested in working with our Scouting crew who visit Scout Troops making radio presentations? Just send an e-mail to our Scout Master Bill, WB2SXY (WB2SXY@ARRL.net).

I'll see you at the Cabin Party – remember it's FREE for all RaRa members. 73 and happy DXing.



Rochester Hamfest and Technology Expo Features:

- Weatherproof! – 60,000 square feet of air conditioned indoor flea market & vendors
- Tailgating on pavement
- Close to the Thruway with an on-site hotel
- Indoor setup 7-9 am
- Tailgate setup 6:30 am
- Doors open at 9 am!

Visit the website (www.RochesterHamfest.com) for up-to-date and late breaking news and photos of the new venue!

**Mark your calendars:
Saturday June 30th!**

**FREE Admission for
RaRa Members!**

New home of the Rochester Hamfest – The Gordon Field house at RIT!!!



RARA Winterfest—The Details

By Gary Skuse, KA1NJL

Planning for the RARA Winterfest has shifted into high gear and the details are starting to come together nicely. There are two aspects of the 'fest that are bound to interest everyone. The first is the operating aspect. We will have two conventional HF stations, a [FlexRadio 1500](#) software-defined radio operating on HF, an [ADS-B](#) aircraft tracking station on display and a packet station demonstrating APRS. With all of this there will be something on the air to engage a variety of interests.

The second and more delicious aspect of this event is the crock pot cook-off. Everyone is invited to bring their favorite crock pot creation to share. Last year we had a chili cook-off but this year we have expanded that to include anything you can make in a crock pot. We anticipate seeing, and eating, all sorts of soups, chili, casseroles, lasagna and who knows what else. I would like to see a crock pot pizza! That may be a bit too much to ask, but I would love to be surprised. We will be awarding prizes of RARA membership points to the top three entrants. The first place winner will receive 50 points, second place will get 30 points and the third place winner will receive 10 points. These points can be redeemed when you renew your RARA membership, they can be applied toward our annual Banquet tickets, fashionable RARA apparel or perhaps something else our creative president has yet to think of.

While operating and eating crock pot delicacies should be enough, we are not done yet. We are also inviting everyone to bring a dessert to share. In fact we will also be judging dessert creations and awarding 25 RARA membership points for the best dessert. We encourage you to put your chefs' hats on and wow us with your sweet culinary creativity. Of course there is no entry fee for these cook-offs so everyone will be a winner.

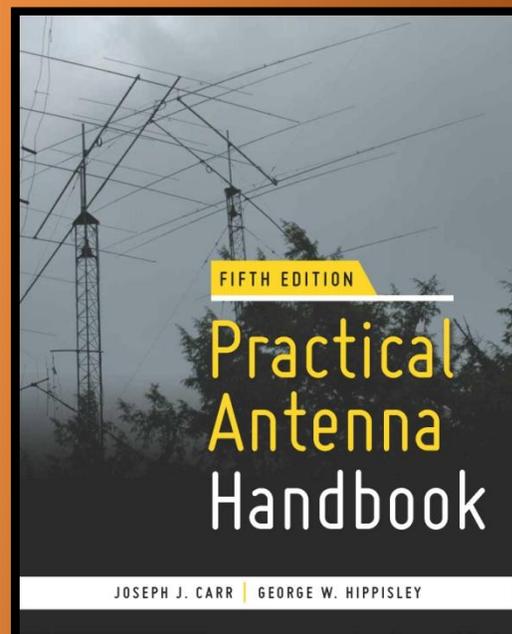
The 'fest will be held on **Saturday February 11th** in the **Hazelwood Grove Lodge in Ellison Park**. This is the same location we used for our summer picnic and you can find it in the north central area of this [map](#). We will be there around 10am to set up radios and antennas. Help will be greatly appreciated, and we encourage everyone to plan to get there around 11:30am when the eating and operating will be in full swing.

If you plan to bring something delectable to share please let me know by e-mail, at ka1njl@arrl.net, or by phone at 585-223-1511 so we can keep track of the wonderful food we can look forward to. RARA will provide non-alcoholic beverages and together we will provide the fun.

New Book Release

A 5th edition of the *Practical Antenna Handbook* was recently released by McGraw Hill Publishing, with George (Bud) Hippisley, W2RU, as its co-author. Bud hails from nearby Old Forge, NY and is a member of the Salt City DX Association in Central NY, and is also a former RARA member.

More information on the Handbook can be found at McGraw Hill's webpage www.mhprofessional.com/product.php?isbn=0071639586&cat=113. In case you were wondering, the antennas shown on the cover of the book are from Bud's QTH!





Rag-Chew

Editor's Thoughts & Comments
By Kevin Carey, WB2QMY
Editor@RochesterHam.org

Vintage radio is one of my key interests, so I was very much anticipating the January program on Military Radio. Unfortunately, our presenter was unable to attend due to illness, and the program had to be rescheduled. (I trust that Roy, W2IT, had a speedy recovery, and I look forward to a future program on military gear.)

The real surprise for me that night was how interesting the fill-in program was: *Internet-based Ham Radio*. Duane Fregoe, K2SI did a fine job enlightening us on the various modes of ham operation even when you can't put up any antennas. This, plus the ability to essentially "work the world" on a small HT (via IRLP) held a lot of interest for the crowd. It just goes to show that even when the topic is not what you expect, you can still learn some things—even if you are a vintage enthusiast. Many thanks to Duane for presenting this topic on short notice. I hope to see all of you at the next meeting, where I should be able to get my vintage fix!

I wanted to give a few quick pointers for anyone submitting articles or photos to the *RARA Rag*... First of all, we *like* articles and photos, so please keep them coming. My intent here is not to set a lot of rules and requirements. The Editor's desk stands ready to work with anyone who wishes to submit an article of interest. This is *your* newsletter!

When sending photos, please try to keep their data sizes reasonable—under 360 KB, if possible. I sometimes receive super-high resolution photos with sizes of 1 MB or more (sometimes a lot more) and these just "balloon" the size of the newsletter, without offering much benefit to viewing quality. The problem typically only occurs when a digital camera has been set for very high resolution. Even then, a lower resolution image can be rendered with popular photo editing software, prior to sending to the *Rag*. Your help here is appreciated.

The text submitted for articles should be at a 10-point size, preferably in Arial typeface (just as the text you are reading now), and with no bolding or special treatments applied, even for titles. Let us apply the styles for you and it will keep everything simpler (and save a lot of keystrokes)!

In the "hamfest update" department, our friends in the Southern Tier have announced the annual **ARAST Winterfest** to be held on Saturday, February 25th at the usual location, the NYS National Guard Armory, from 8 to 2 p.m. The club's website is www.arast.org, but they are experiencing some issues due to a hosting service problem. If you don't see the information you need at the site, you can phone ARAST at (607) 398-0411.

73, and best DX

Calendar of Events

- Feb 3** RaRa General Meeting – 7:30
Henrietta Fire Hall,
3129 E. Henrietta Rd
- Feb 8** RaRa Board of Directors
5:30 PM, RIT
Engineering Hall, Room 2110
- Feb 11** RaRa WinterFest
Hazelwood Grove Lodge
Ellison Park
- Feb 18** RaRa VE Testing sessions
10:00 AM, RIT
Gleason Hall, Room 3139

Silent Key

Lee J. Grills,
WB2ZHD
January 8th, 2012

RaRa VE News

By Ken Hall, W2KRH

Congratulations to our five candidates in December; there were three Technicians, one General and one Extra class as follows:

Erik Bennett	KD2BJC	Tech
Donell Hoffman	KD2BJD	Tech
Stephen Kurzdorfer	KD2BJE	Tech
Laura Enders	KD2BEA	General
Jay Golden	K2JSG	Extra

The February VE session will be on Saturday the 18th. The VE team offers regular test sessions on the **third Saturday of each month until April**, in Room 9-3139 at RIT. The final test session will be held at the 2012 Hamfest at RIT on June 30th. If you have any questions on VE testing please contact me at ken@w2krh.com.

Meeting Prizes!

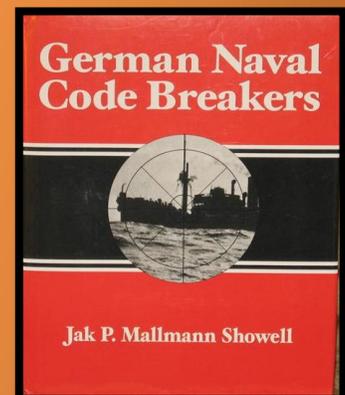
Jay Hamill, KC2TCM
Sabrina Hamill, WD2STK

This month, we have some items for using indoors. Winter has finally decided to show up, so enjoy these from your favorite chair! Up first is the RCA Superadio III. Some might remember this radio from years past, as it used to be manufactured under the General Electric name. This radio has all the same features with a snazzy RCA logo! It is well known for its DX performance (especially on AM) and sound quality.

The next item is a book titled, *German Naval Code Breakers* donated by our own Ken Hall, W2KRH. Quoting from the inside cover, "The book looks in detail at how German code-breaking developed after the traumas of defeat in 1918, the variety of codes used by the British and Allied navies during World War 2, and how the German naval code-breaking department was organized as one of a number of departments involved in the gathering of naval intelligence."

The last prize item is a Color Changing Memo Holder with a built-in 4-port USB hub. It has a storage space for holding your smart phone and comes with a dry erase marker for writing notes on its surface.

Hope to see everyone at the meeting!



Ham Tech

By Duane Fregoe, K2SI

In keeping with the Internet Ham Radio theme from the RARA Academy #4 and a late fill-in program for the January meeting, there is a radio-looking skin that one can place over the running Echolink window. Echolink 100 is part of a package used for HF remote communications but can also be run alone without the HF piece. Echolink 100 can be downloaded at <http://www.hfremote.us/EQ100.html>. Follow the directions on the web site to load the program. In Windows 7 you will need to install the program as an administrator. The program is still being developed but will place a workable skin over Echolink.



RMSC Event a Success!

By Irv Goodman, AF2K

Once again, the Rochester Amateur Radio Association and the Rochester DX Association combined efforts to set up a ham radio station plus hands-on demonstrations at the Rochester Museum & Science Center's annual Holiday Science and Technology Days event. Our activity was for three of the four-day event, Tuesday Dec. 27th to Thursday Dec. 29th.

The Icom IC-746 HF transceiver (thanks to Xerox ARC) and the G5RV-Junior antenna (thanks W3OAB), on the roof 70-feet above the ground performed perfectly. The total number of QSOs this year was 241. We also managed to get some youngsters from the passersby to get on the air and say Hello to several stations that W2RDX worked. If you are in the log, and want one of our attractive custom QSLs, be sure to send us your card along with an SASE to AF2K, QSL Manager. Photos of the event, taken by N2BEG, N2CK and N2JAC will be available for viewing eventually on the RARA and RDXA websites. Two photos appear with this article.



Grateful thanks and appreciation are hereby extended to the 26 dedicated volunteers who provided equipment, labor and public relations: Peter W2SKY (RARA Recruiter & Manager), Doug N2BEG (RDXA Recruiter & Manager), John W3OAB, Dave N2CK, Ben KC2JXP, Zach KC2VCM, Don AC2EV, John KC2TNO, Van N2BNE, Brent KC2QLJ, Paul K2DB, Walter N2ZVP, Len KC2PCD, Tim KD2BBJ, Bill WB2GHC, Jon N2JAC, Tim K9VB, Gene W2LU, Rich W2FBS, Mike KC2NM, Bob K2OID & XARC, Bob AC2HJ, Joe K2QZR, Larry W2LB, Aaron KD2BEC and Irv AF2K.



Glam Hams On the Air!

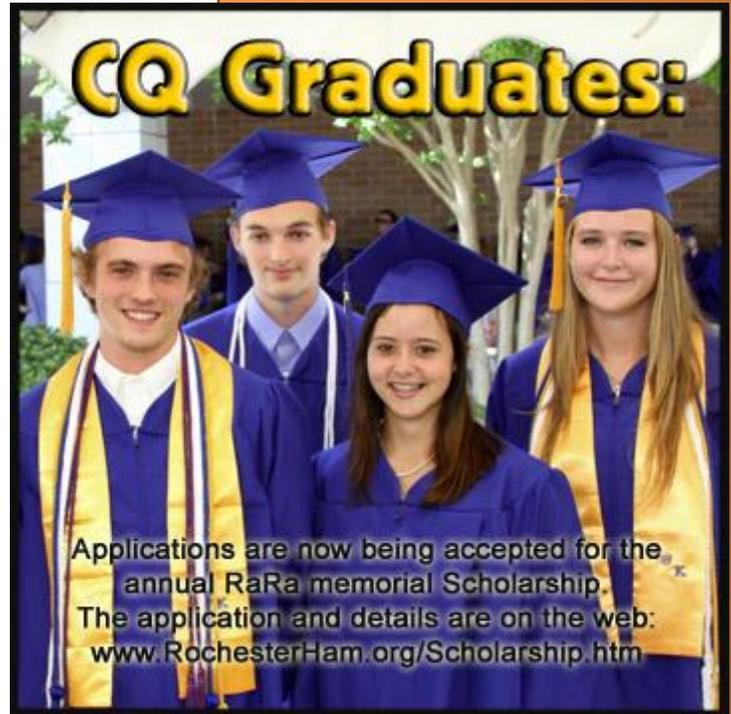
Please join Maria, KD2AZE, the host of the *Glam Hams*, a Ham Radio Net for women in the Rochester area. The net meets at 8 pm on the first and third Mondays of each month on the Megaplex Repeater system. These repeaters are linked together; therefore, all ladies can join in on *any* the following frequencies:

147.225 Brockport
146.925 Irondequoit
442.925 Macedon
442.800 Rochester
444.700 Rochester
442.900 West Bloomfield

For the offset and tone to each of the above repeaters and for other information concerning the *Glam Hams* net, go to <http://glamhams.org/netmeeting.htm>. The group's main web page is at <http://glamhams.org/lr.htm>.

The objective of this net is to bring women hams together to chat about whatever interests us, to learn a few ham radio techniques, and to conquer our fear of the microphone--without any pressure! Maria would love to have some of us share the role of Net Control Operator if we are so inclined.

Please pass this notice along to any female ham operators you know in the area and encourage them to join us.



Hamfest Special Event Station

Ken Villone, KU2US, advises that he will conduct a special event operation at the Rochester Hamfest on June 30th at RIT. Ken is event manager for the 13 Colonies Special Event, held each July since 2009 (see Ken's bio at QRZ.com). Ken states that this event is one of the largest of its kind in North America, with over 40,000 QSOs logged last year alone. He will have a display table at the hamfest this year, located between Light Beam Antennas and RARA on the show floor.

Event details from Ken: I will be operating 1-2 hours in the parking lot on 2-meter FM simplex (146.460). This is to give NY operators a contact for the Colony State of New York. A Special Event QSL card will be available at our table on the spot, for those who make a contact, after I return to the building. It is sometimes hard for NY stations to contact our NY colony stations because of close proximities on DX bands. Most operators want to get a "clean sweep" of all 13 colony states. My call for this event will be K2A/KU2US. The operation will start at 10AM the day of the Hamfest.

Scanning Report: The Forgotten Band

By Jim Sutton, N2OPS

It's maligned by two-way radio salesmen, often cited as obsolete, and falsely claimed to no longer have equipment available to cover its range. Yes, it does have its moments of sporadic E and F2 skip (which can be remedied by PL tones), and it is limited in handheld range (which can be overcome with a cross band repeater into a UHF handheld). By now, you may have guessed it: We are talking about the VHF LOW BAND covering 29.7-50 MHz. Neatly tucked between the ten and 6-meter ham radio bands the low band actually offers pretty decent range. It is optimum for use in rural areas. Good range without the need for repeaters makes for a simple system with little to go wrong or maintain in a disaster.

It was once home to all public safety agencies outside Monroe County. So, who is left in this "forgotten band?" Here are some current applications that you can tune in on:

- Many counties still page their fire and EMS on VHF low band
- Some fireground communications
- NY State DOT
- Finger Lakes Park Police (The only law enforcement agency still on low band.)
- 45.88 (no PL) is an active frequency used when mutual aid is needed from an adjacent county
- 46.22 Fire Channel 2 statewide
- 47.42 A nationwide Red Cross frequency
- RG&E outside Monroe County
- Some school busses
- Red Cross



The low band is also home to some low power (license-free) communications on the following frequencies: 49.830, 49.845, 49.860, 49.875 and 49.980.

Any corrections or additions to the above list would be appreciated. My complete frequency list updated January 15, 2012 is available at:

<http://n2ops.net/LinkClick.aspx?fileticket=nYA0a3GGqAw%3d&tabid=38&mid=373>

What scanner topics would you like me to write about? Please contact me with your ideas and requests: jim@n2ops.net

Area Low Band Frequencies (and PLs, if used)

MHz	User	PL Hz
33.04	Gates-Chili CSD	82.5
33.10	Greece CSD	100.0
37.10	Brighton HD	151.4
37.46	RG&E Canandaigua	167.9
37.62	RG&E Fillmore	167.9
37.72	RG&E Sodus	167.9
37.94	Monroe Co HD	
37.98	Rush-Hen. School	
39.10	Conesus Lake Sewer	
39.46	Sheriff Disp. Net	206.5
42.60	Canal	
43.28	Dansville School	156.7
44.62	F-L Parks Police	82.5
44.64	Leicester Fire	146.2
44.72	F-L Parks Maint.	82.5
44.92	Gen. Parks Maint.	151.4
45.16	OEM/WX Alerts	110.9
45.20	Allegany Co Highway	
45.24	Liv. FD 6	123.0
45.40	Liv. FD 7	123.0
45.44	OEM	110.9
	F-L Parks Maint.	82.5
45.52	Allegany Towns Hwy.	
45.56	Steuben Highway	85.4
	Steuben OEM	85.4
45.60	OEM/WX Alerts	110.9
45.64	OEM/WX Alerts	110.9
45.72	Lima Town HD	
45.76	Wyoming Fire	D411
45.88	Fire Disp. Net	CSQ
45.92	Allegany Co. OEM	
45.96	Ontario Fire	131.8
46.02	Wyoming Fire	D026
46.04	Penn Yan Amb.	123.0
	Hammondsport Amb.	CSQ
46.06	Niagara Fire	151.4
	Schuyler Fire	103.5
46.08	Orleans Fire	CSQ
46.10	Seneca Fire	114.8
	Cayuga Fire	151.4
46.12	Genesee Fire	CSQ
46.16	Livingston Fire	123.0
46.18	Wyoming Fire	D114
46.20	Livingston 3 Fire	123.0
46.22	Fireground Ch. 2	
	Statewide	
	Livingston	123.0
	Wyoming	CSQ
	Allegany Fireground 3	
46.30	Ontario Fire	131.8
46.32	Ontario Fire	131.8
46.34	LeRoy Fire	CSQ
46.36	Allegany Fire	151.4
	Wellsville	173.8
46.40	Steuben Fire	186.2/CSQ

RARA Rags of the Past

By Ed Gable, K2MP
RaRa Historian

20 Years Ago, February, 1992

Introducing this month's program was VP Lloyd Caves, WB2EFU, who informed that the next gathering was a joint venture with the Kodak Park Amateur Radio Club (WB2WXQ). The venue was KP's auditorium on West Ridge Road and the program featured Mr. Sherwood Leung, the Assistant Division Engineer of Communications for Conrail, speaking on railroad radio communications.

"It's time to play in the snow" was the tag line introducing the annual RaRa Winter Funfest held at Calvary Lodge in Mendon Ponds Park. Gos' chicken soup and Dave's Chili kept you warm all day and additionally well into the evening. This issue also announced the formation of RaRa's 35th annual Code and Theory Classes where Monday evening sessions brought new Novice and Technician licensees to the air waves. A new column, "The RaRa Spotlight," promised *occasional* profiling of personalities from the Rochester Amateur community. This month featured Don Ray, WA2PKS, the person responsible for a run of 30 years of printing the *Rag*. Don said the he ran 6,000 pounds of paper through his press (in the basement shop with wife Joyce doing the typesetting) in service to RaRa and the Hamfest.

Irv Goodman, AF2K, wrote describing RaRa's 60th anniversary on-air activity at the K2JD club station. Eleven local amateurs manned the station for 21 hours and logged 431 QSOs. The article was augmented with large photos showing Irv AF2K, Chet WB2MDO and Dave KE2GE turning the knobs. It was reported that at the most recent RaRa VE testing session there was one license upgrade and four brand new amateurs. Thanks to George AA2FO, Sid KD2WV, Stan WM3D and Jim K2GBR for volunteering their VE session times. From the Want Ads you could buy a Heath HW-16, SB-303, SB401 and Ameco TX-62 from John, WA2UTG. A new commercial advertiser was the Com Center at 300 White Spruce Blvd offering mailing and database services.

40 Years Ago, February, 1972

I guess when you have a successful program idea you stick with it. See the above 20 year article and the Kodak Park joint meeting announcement. Forty years ago the February meeting was, are you ready... a joint meeting with the Kodak Park ARC at the West Ridge Road venue. The program was an interesting NASA film on the Apollo Global Communications Network. Final plans for the February 12th Valentine Dinner Dance were published where fine food, a night of entertainment featuring Eddie Dunn, W2ECH, and of course dancing the night away. The six dollar prime rib tickets were available from Helen Smith, WA2YRH.

Writing for the relatively new RARRA, Ed Gable, W2MPM, reported the group's first public service event where members helped the Greece School district with class registration between two locations where coordination was necessary. Those working the event were W2BLU, W2MPM, WA2CER, WA2ATV and K2YAH. RARRA was represented at the Western New York Repeater Council by Gary Greene, WB2KVC and Russ Schroeder W2DYY. With regret it was reported that the following Amateurs became silent keys: Chet Owlett K2OPC, Robert Van Hooft WB2LZM and John Bartlett WB2GYZ. There were no Want Ads in this issue but you could get a set of tires, or fresh air installed, from Ray Roberts, WA2SSU, from Tire World on Empire Blvd.

Area Low Band Frequencies (and PLs, if used)

<u>MHz</u>	<u>User</u>	<u>PL Hz</u>
46.42	Ontario Fire-Main Disp.	131.8
46.44	Allegany Fireground 4	
46.46	Allegany Fireground 5	
46.48	Ontario Fire Ch. 2	131.8
46.50	Yates Fire	
	Allegany Fireground 6	
46.54	Livingston Fire 4	123.0
46.58	Livingston Fire 5	123.0
47.02	DOT Steuben E B2T	173.8
47.04	DOT Livingston T2B	167.9
47.06	DOT Steuben W B2T	
47.14	DOT Ontario T2B	136.5
47.18	DOT SteubenE T2B	131.8
47.22	DOT T2T	123.0
47.24	DOT Liv. B2T	136.5
47.26	DOT Steuben W T2B	114.8
	DOT Monroe E T2B	114.8
47.28	DOT Ontario B2T	173.8
47.30	DOT Monroe W B2T	167.9
47.32	DOT Monroe E B2T	186.2
47.34	DOT	151.4
47.40	DOT Monroe W T2B	103.5
47.42	Red Cross	CSQ
47.46	Perry Vets	
47.50	Kemps Bus	82.5
	Livonia School	146.2
47.54	Honeoye School	123.0

News from our friends at other area clubs...

Editor's Note: Free press is available for your club! We welcome brief updates and meeting notices from all area ham clubs. Just send your input to editor@rochesterham.org. When preparing your article, please remember to keep it short, and assume that readers know nothing about your club. The article should be focused toward non-members, and not your own current members... that's what your own newsletter is for! We hope all area clubs will take advantage of this opportunity to interest new members in joining their ranks. 73, -Kevin

Monroe County ARES / RACES News

By Jim DiTucci, N2IXD

Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. All ARES / RACES members and non-member Amateur Radio Operators are welcome and encouraged to attend.

ARES NET: Monroe County ARES/RACES meets on the air every Thursday of the month at 9:00 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.

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 2m handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2012.

As always, stay in touch with Monroe County ARES/RACES – www.monroecountymcomm.org

RRRA News

By Brad, KB2CHY

We had a *great* time at Macgregor's for our Christmas dinner. Mary's husband was certainly in his glory keeping us all amused with his skillful magic. We thank him as he certainly worked hard at preparations. If you missed it, well, there is always next year!

Our January 20th meeting was held in the basement of the Pittsford Town Hall at 8:00 PM. It was "gadget night," where attendees could bring in a show and tell item they acquired or built. These were shown in the form of short presentations to the group. We also showed some instructional videos from the web geared toward the beginner in Ham Radio, as well as a refresher for those who may have forgotten some things. Questions were answered by Bob Shewell, N2HJD. Come see what RRRA is all about by attending the next meeting. Meeting information is on our website at <http://www.rrra.us/>. Hope to see you soon.



2011 RRRA Christmas Dinner at Macgregor's on Jefferson Rd, Rochester, NY.

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 clubs 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 info
- ✓ List of past presidents (how many do you remember?)
- ✓ Online membership directory
- ✓ Order RARA logo products (hats, shirts, and mugs)
- ✓ Useful Internet links
- ✓ Ham Radio 101—tons of tutorial info, plus net & repeater listings



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