

HERE YE, HEAR YE: ANNOUNCING THE FIRST EVER RARA TOWN HALL MEETING

GARY SKUSE, KA1NJL—RARA VICE PRESIDENT

For the past several years, while I have been a member of the RARA Board of Directors, I have fielded questions from members about all sorts of things. Many have asked about the hamfest: what is going on? will there be another one next year? why didn't we have one last year? and so on. I've been asked about our budget, how many members we have, who are our leaders, what are the opportunities to volunteer for public service, what can we use our membership points for, why don't we have a meeting program about xxx, *ad infinitum*. The December meeting is designed to answer these and any other questions you might have. And, to make it even better, we will be hosting our first ever holiday gathering. You can satisfy your sweet tooth with cookies and refreshments provided by the club while you satisfy your curiosity about anything related to club matters.



Unlike some other organizations, the leadership of RARA strives to be transparent.

We are always listening to the membership and we try our best to answer any questions you have. Our financial statements are always viewable by our members, anyone is welcome to attend our Board of Director meetings, and we are always looking for individuals to participate in RARA functions. RARA exists for its members and can only function with the participation of its members.

Come join us at the December meeting for an open forum, a town hall meeting of sorts. The officers and board of directors will be there to answer any questions, address any concerns and entertain any suggestions you want to offer. And while you are there you can enjoy some time with your fellow hams while you chat over refreshments.

Keep in mind that this is your club. There is no reason to wonder about anything related to the club. Take advantage of this opportunity to have your questions answered and have your voice heard. As a member I know how frustrating it is to wonder why certain things happen and as an officer I can tell you it is frustrating when a member says to me "I have been mad about something or other for some time now". This latter comment would not occur if he or she simply asked us a question.

As usual the December meeting will be held on the first Friday of the month, December 5th, at Henrietta Fire Company #1, located at 3129 East Henrietta Road near Lehigh Station Road. Please come to this important meeting to learn more about how the club works, how it could work better and to enjoy some time with your fellow hams over holiday refreshments.

DECEMBER 2014
VOLUME 67, ISSUE 4

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PREZ SEZ

FRANK SCHRAMM, WB2PYD—RARA PRESIDENT

For anyone who was not at the Auction on November 7th, I can only say that it had to be the best Auction since 2007 when we sold all those radios donated to the club and went until well past midnight. There was a broad range of items for sale this year, ranging from “RARA” capacitors which sold for \$1.00, to a beautiful Kenwood TS-950 that sold for a mere \$450.00 and even a Yaesu FL-7000 amplifier that found a home with the lucky bidder of only... \$300.00! Very few items didn't sell and the attendees (in excess of 125 RARA members) were all very eager to take home new possessions. I'm confident in saying that a good time was had by all! And thank you to those of you who donated your proceeds to the club; over \$200.00 was raised for our annual scholarship fund.

It's difficult to believe the Holiday season is here again; it's even more unbelievable that it was seven years ago that I first had the pleasure to wish you all a Happy Holiday in the 2007 RAG as your Vice-President. Where has the time gone? That's a lot of RF emitted, and QSLs sent and received. Our next meeting on December 5th will be something a little different. We're going to have an open forum; the Board of Directors will use the opportunity to tell you of the projects we're working on, including the Hamfest, and solicit your input on them. It's also an opportunity to voice your comments, questions, and concerns; as well as give us some suggestions on program topics you would like to see and any other ideas you have. And, we'll share our ongoing plan to prevent any future recurrence of the “dysfunction” experienced by the last BoD. The dialog can be as short as 15 minutes, or as long as you desire. Afterwards, we will celebrate the upcoming Holidays over refreshments and drink. See you there!

73 and prosperous DXing,

Frank
WB2PYD

CALENDAR OF EVENTS

DECEMBER 5TH - RARA General Meeting
7:00 PM at Henrietta Fire Co. #1, 3129 East Henrietta Rd

DECEMBER 11TH - RARA Board of Directors
5:30 PM RIT Engineering Hall, Room 2110

DECEMBER 20TH - RARA VE Testing
10:00 AM RIT Gleason Hall, Room 9-3139

February 21ST - RARA Winterfest
Stewart Lodge in Mendon Ponds Park

Previewing the Fourth Annual RARA Winterfest

We are already making plans for the fourth annual RARA Winterfest. Again this year we'll be getting together at the Stewart Lodge in Mendon Ponds Park on Saturday February 21st. In the past the festivities have included an operating position or two so we can enjoy our hobby and introduce it to new and would be hams while we are at it. This year we are going to step it up a bit and try to have a modest contest station set up at the winterfest so everyone can get a taste of that aspect of the hobby.

We'll have more information as the date draws nearer but for now please mark your calendars for February 21, 2015 and plan to join us for the fun.



SKYWARN Recognition Day 2014

Duane Fregoe, K2SI



SKYWARN Recognition Day will be December 6, 2014 (0000 – 2400 UTC). In local terms it is Friday December 5th, 7:00 PM till Saturday December 6th, 7:00 PM. National Weather Service offices across the country will be on the air for 24 hours. The goal is to contact as many weather service offices as possible using repeaters, IRLP, Echolink, and HF. This is a fun event for new hams that may only have a technician license. Many of the weather service offices will be on Echolink and IRLP. The National Weather Service office in Buffalo should be participating again this year. Look for WX2BUF on Echolink and you can also check in on the 145.110 repeater. Submit your total number of weather service office contacts for a certificate from the National Weather Service. More information is available from:

<http://www.wrh.noaa.gov/mtr/hamradio/>



RARA Meeting Raffle

The main prize for the December raffle is going to be a Dell Latitude D610 Laptop, freshly installed (and updated!) Windows XP Professional (for compatibility with Ham software), 1.86GHz Pentium M CPU, 1GB of RAM, 60GB HDD, DVD/CD-RW Drive, 4 USB Ports, Serial Port, Parallel Port, 54g Wireless, and an ATI Radeon X300 video card. It should run all the apps you could need for your shack, or in a go-kit. The laptop was donated by WA2IEO.

Peak The Grid

Forest Shick, WA2MZG

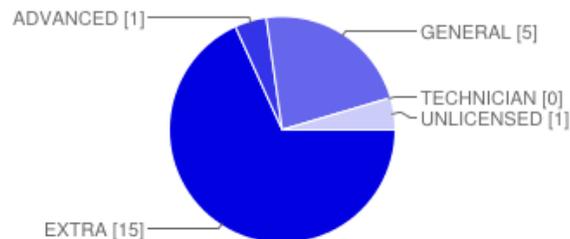
November Survey

Although I was not expecting a landslide of activity for the November Survey, I have to say I was very disappointed with receiving only 22 responses. With that few responses, the information gathered is interesting but not enough to draw any meaningful conclusion.

I will give it one more try with a December Survey.

Click here to go to the survey.

What is your current amateur radio license class?



December Survey

If you missed the November Survey, click on this link..

November Survey

Here is a brief summary of the November results. Most respondents were RARA members with an extra class license. They read every issue of the RAG and have been an amateur for more than 5 years. The most popular articles were: Mini Maker Faire, XARC Renamed, Prez Sez and Peak The Grid.

An interesting tidbit is that we had responses from North Carolina and Turkey.

Repeaters

Starting with this issue, we have added a link on the last page of the RAG to the [Rochester Area Repeater Listing](#) found on the RARA web site.

RARA's license classes and VE Testing produce 10 or more new amateurs each month. I would guess that many, if not most of these new amateurs get a 2M handheld as their first rig and their first on the air experience occurs on one of our local repeaters.

Much hard work and money has gone into setting up, operating and maintaining all of the repeaters in our area. It would be very helpful to learn more about the organizations that support these repeaters and the features and coverage area of each repeater.

I would like to offer the opportunity for each repeater group to write a short article, no more than 1 page, about their repeater. It is an opportunity to get more support for your group, educate more hams on proper operation of your repeater and its features such as IRLP or Echolink, help new operators understand repeaters and maybe correct some bad habits of experienced operators.

With the large number of repeaters listed in the Rochester Area Repeater Listing, we would not publish all the information in one issue of the RAG. On a first come basis, we would publish 1 article a month. With a little effort and enthusiasm on your part we could begin this series of articles in January 2015 – the next RAG issue. A picture of your repeater and / or repeater site would be a very nice addition.

Lastly on the subject of repeaters, a question that nags me is: How do I know which repeaters to program into my radio as I travel across country.

I would be interested if you shared your thoughts and ideas on this issue.

“Chirps” in December

Bill Hopkins, AA2YV

Birdies in December? – in Rochester? It depends on how good your ears are. Most of us never look up. For example, how many times have your neighbors noticed your wire dipole, swaying in the breeze? I bet almost never. The same with birdies and chirps. You never hear these sorts of things out in the ether, unless you intentionally go “birding.”

Well, let's. Birders record the critters they've spotted, in two ways. We hams actually do the same thing, and sometimes we too go out into the trees and woods to do it: quirping; and fox-hunting. But this is December, remember?

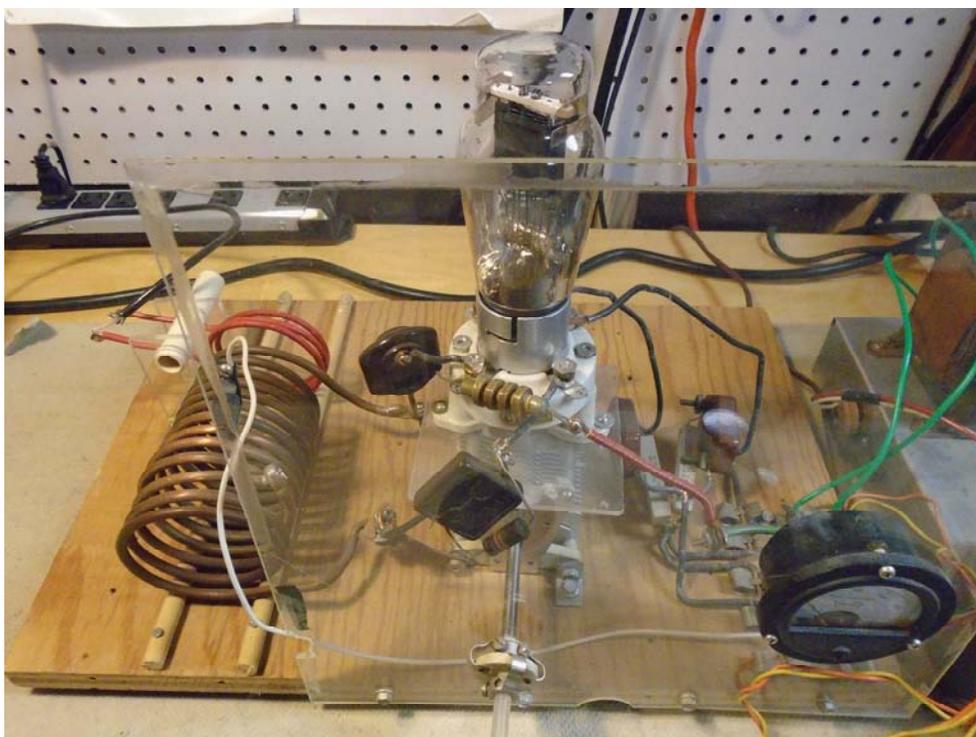
There are actually three nice little forests we can go to on the early December weekends of the 6th-7th and the 13th-14th to hear all the chirping our hearts desire. These parks may be in Ontario, Wayne and Monroe Counties, but at night they take on national dimensions. The night-owl birdies don't wave just along the ground but sometimes can skip quite high. Let's call them our nightingales. Directions to these parks are as follows: 1800-1810 kHz; 3550-3580 kHz; and 7100-7125 kHz. These are *ham* parks, so there won't be any entrance fees. Anybody can listen.

You can chirp too, if you'd like. Please stay under 10 watts *input* power, use preferably a hand key. And if your RF voicebox isn't all that good (or bad) at chirping, you will still be welcome. Our group birdie outing lasts only from 6 p.m. Saturday to 6 p.m. Sunday, both weekends. You'll be welcome, even without that special chirp. Read on.

Who organized this party? Well, it started with Bruce Kelly (W2ICE/SK) and others from the Antique Wireless Association in the early 1990's, with hams – mostly AWA members – firing up their early design (1929-ish) self oscillators (Hartley, TNT, PP, TGTP, MOPA, Colpitts), using a good tuner and a wire antenna with minimal wind sway (no joke!) and a good ole' hand key. The type of receiver was/is the individual's choice. (My oscillator exists, thanks to Bruce's generosity back in 1996.)



1929 type transmitter showing power supply, extra 7.5 VAC heater transformer and inductive pickup on tank coil



Close-up of the Hartley design; type 10 triode

At this point I just have to insert something here about all the *brouhaha* in 1928, when the ARRL embarked on more serious study of the “self excited oscillator.” Ross A. Hull, in his QST article from August 1928, pp. 9-19, begins by noting all the bad press about the self excited oscillator (Colpitts, Hartley, etc.). The “variety of horrible noises” emanating from them was cause to “forget them and break into some brand new territory.” But wait, he continued, “about 90% of existing amateur transmitters” were of this type. Hull then places the oscillator “under a microscope,” beginning with the words from Perry Briggs, 1BGF (his callsign!), who noted these oscillators will “always mean swinging, chirping, rattles and mush!”

Ross Hall replied with encouraging words: “*that all standard self excited circuits can produce signals that will comply with any reasonable standard set for 1929 if only they are built and operated intelligently.*” But there is a lot hanging to those last four words.” Then he jumps headlong into his article, a “*must read*” for any serious “chirper.”

These oscillators really do chirp, some a lot more than others. Like I say, you can make your own music too. Try to keep to the 10 watt input power stipulation, even if your QSO can't be counted (because you are using a post 1929 xmtr design). At night you can increase your chirpy - or clean - signal to 20 watts to hear and work stations out West. Your objective will be to “contact as many 1929 stations as possible. Contact exchange consists of RST, Name, QTH (i.e., NY, etc.) last two digits of the year of your transmitter's design year, type of transmitter, ... and power input (such as 6W or 9W),” Scott (WA9WFA) writes in the latest *AWA Journal* (p. 15). If you do construct and operate a '29er for the event, you can send in your logs or email them to Scott Freeberg at: wa9fwa@comcast.net by January 15, 2015. Find an approved log sheet format at: www.antiquewireless.org. You can count a station only once per band (both weekends count as one event). Contacts with high power stations DO NOT COUNT. Be sure to listen for the AWA station, W2AN, and Bruce's call, W2ICE. (Listen for me too! My type 10 tube will camp out on 80 meters.)

“Scoring is simple. Add up the number of legitimate 1929 QSO's. Example: if you make 15 QSOs on 80 meters, 10 on 40 meters and 5 on 160 meters, your final score is 30.” Wow, very complicated!

Scott adds, that “the event is open to all 1929 stations including both non-AWA members and AWA members. But you are encouraged to join the AWA and support 1929 radio!” Let the AWA know you're listening! Talk to us.

On the other hand, how many AWA “Bruce Kelley 1929 QSO Party” transmitters out there could you copy and record in your SWL log? Just keep the receiver powered up and listen for chirping, or maybe a saucy code fist.

Silent Key

Paul J. Mackanos, SR.
WB2LSI
November 2, 2014

Silent Key

Frank C. Lisuzzo
WA2NQS
November 7, 2014

Silent Key

Fred C. Steenhoff
K1NXG
November 15, 2014

Silent Key

Thomas H. Clegg
KD2GHC
November 19, 2014

RMSC Ham Radio Exhibits

Peter Fournia, W2SKY

We are again planning the ham radio exhibits at the Rochester Museum and Science Center for 3 to 4 days during the Christmas – New Years holiday. The dates are Saturday, December 27th to Tuesday, December 30th from 12 – 4 PM each day. There will be a very active special events station led by Vic Gauvin K1PY and Doug Stewart N2BEG of the RDXA. I will lead the hands-on exhibits. We typically have 1 to 4 hams demonstrating the radio and electronics exhibits.

This is part of the RMSC Holiday Science and Technology fair. It is the 18th year that we have participated in this event. This is a MAJOR exhibit for ham radio that exposes hundreds to thousands of people to ham radio. Our focus is on youth and to the parents of young people.



Although we have many exhibits ready to roll, we are always looking for new and interesting additions. Do you have something to add? Some hams bring an exhibit for only a morning or afternoon. Others drop off an exhibit and collect it at the end of the 3 days. What ever works for you is good with us. Please contact me (Peter, W2SKY@ARRL.net, 585-377-0535) for updated information and to make arrangements to schedule your exhibit. Participation with the special events station should be scheduled with Vic, K1PY.

We plan to have the final schedule and a signup sheet at the December 5 RARA meeting.

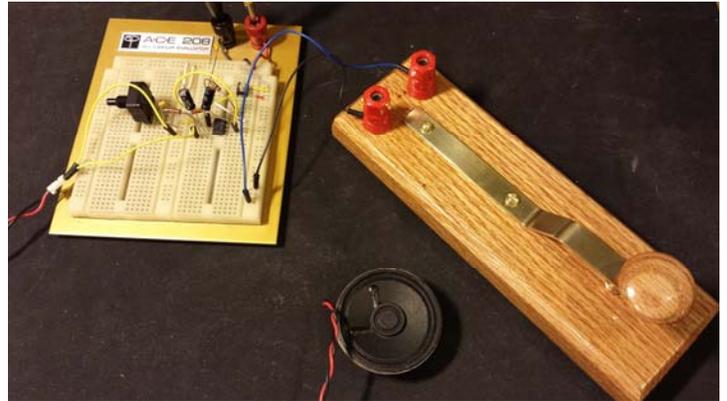
Build It!

Forest Shick, WA2MZG

This month, we will go with - a picture is worth a thousand words. Tim Barrett, K9VB, our membership secretary is proud to display his version of the Code Practice Oscillator and Straight Key discussed in the previous 2 issues of the RAG. The following is an excerpt from Tim's email. I hope you don't mind Tim, now you are committed to getting on CW!

"I have this theory that if I build my own key and my own transmitter I will have no excuse for not having made a cw qso and will finally get on the air in that mode! So your article got me thinking especially as I already had a left over strip of the oak lumber from another project.

I made the project a bit more complicated by deciding to channel the wiring in a groove I routed in the base and having gone that far to finish the base with a chamfered edge and a coat of shellac. It looks good and I'm surprised how well it works without any bearings, just relying on the springiness of the brass."



This is exactly the intent of Build It. Now, if anyone out there has any simple Build It projects - please write an article and pass it along. One of our fellow hams may be waiting for your inspiration.

Thank You Tim.

Maker Faire

On Saturday, November 22, 2014 a Mini Maker Faire was held at the Riverside Convention Center. This event was announced in the October issue of the RAG. Members of RARA participated in a booth presenting many aspects of amateur radio. There was even a code practice key for people to build. We were located in a far corner of the building but that did not stop a constant flow of people into our room. The following are pictures from the event. There were approximately 2500 attendees.

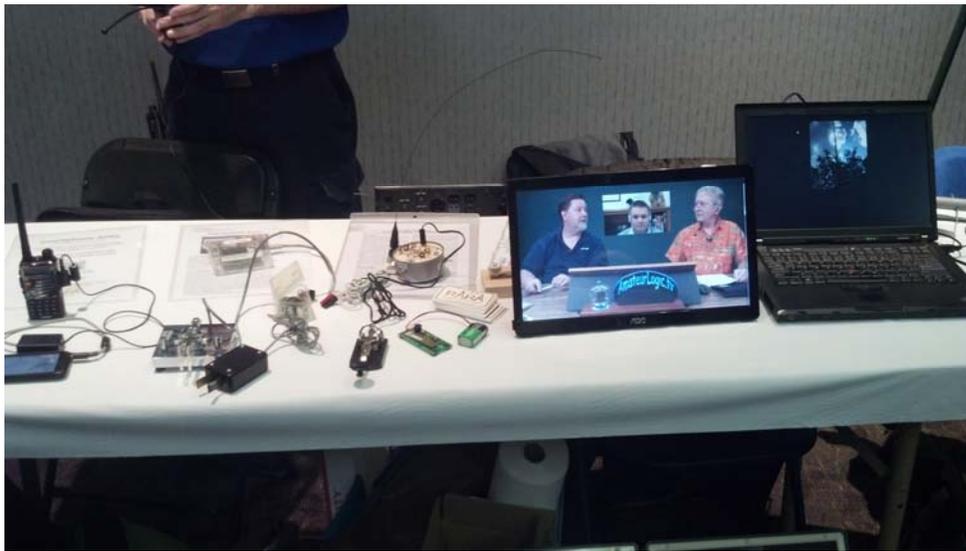


The crowd on the main floor



Building the code practice key





New Feature RARA Calendar

We are previewing a calendar in the December and January issues of the RAG. If you would like this calendar to be a permanent feature of the RAG, we will need a volunteer to be responsible to create the calendar each month and email it to editor@rochesterham.org. The time commitment should be 15 to 30 minutes a month. If you are interested, please contact Forest.

The contest information on this calendar is from: <http://www.hornucopia.com/contestcal/contestcal.html> and the calendar is from: <http://www.wincalendar.com/word-calendar-templates.htm>

December 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 ARS Spartan Sprint	3 CWops Mini-CWT Test	4 NRAU 10M Activity Contest	5 RARA Town Hall Meeting NCCC RTTY Spring ARRL 160M Contest	6 TARA RTTY Melee ARRL EME Contest QRP Sprint
7 10M RTTY Contest	8	9	10 NAQCC CW Sprint	11 RARA Board of Directors Meeting	12 NCCC RTTY Sprint	13 ARRL 10M Contest
14	15	16	17 NAQCC CW Sprint	18	19 NCCC RTTY Spring	20 RARA VE Testing Croatian CW Contest
21 ARRL Rookie Roundup	22 Run for the Bacon QRP Contest	23	24	25 Christmas DARC Christmas Contest	26 NCCC RTTY Sprint	27 Stew Perry Top band Contest
28	29	30	31 CWops Mini-CWT Test Planning for the RARA Winterfest	Notes: The contest listings here are not comprehensive but they give you an idea of the operating opportunities during the month of December.		

Is There A Hamfest In Your Future

Check out the Lockport Amateur Radio Association's 54th Annual Winter Hamfest on January 31st.

<http://www.lockportara.us/club-events/2015-events/lara-hamfest-2015>

Thank You Betsy!

RARA RAGS OF THE PAST

Ed Gable, K2MP – RARA Club Historian

20 YEARS AGO, DECEMBER, 1994

Program Chairman and Vice-President Chris Reich, WB2DYJ, announced the December meeting as the annual joint meeting with the Kodak Amateur Radio Club. This year RARA was invited to the Elmgrove plant where they not only provided a great venue, but the speaker for the evening as well. Mark Waldman, WB2JNW, of Kodak's Government Services Division, spoke on their work on advanced capabilities for the Hubble Telescope. Dick Goslee, K2VCZ, Editor of the RARA Directory, requested input of any errors known to be in the directory. The locally generated directory included all amateurs in the 144, 145 and 146 zip codes as well as all RARA Members making a total of over 3,000 listings. Harold Smith, K2HC, announced plans, changes and firm dates for the Rochester Hamfest for the six years ! ARRL Western New York Section Manager Bill Thompson, W2MTA, revealed that he had appointed Ed Gable, K2MP, as Assistant Section Manager in addition to his already held positions as Atlantic Division Assistant Director, Emergency Coordinator and ARRL Awards Manager. With regret it was written that Edward Hockwater, KB2HYU and Murray Havelin, K2YQT were reported as Silent Keys. From the Want Ads you could buy an Icom IC-751 HF Xcvr from Irv Goodman, AF2K, for \$800.00. Vorndran Marine Canvas (WB2OZS) on Clinton Avenue remained a long term advertiser.

40 YEARS AGO, DECEMBER, 1974

This December meeting highlighted John Schooley, W2BLU, with a talk and slide show on the advances of technology in the telephone industry. Computers, voice message service and other advanced features of the Kodak telephone system were significant topics. Oscar 7 was launched on November 15th and gave many hams their first easy access to satellite communications using 2 meter uplink and ten meter down. Ed Mahar, WB2FJY, writing for the Rochester VHF Group, reported that Bob Moore, WA2JFM would demonstrate Spectrum analyzer use at their next meeting. Ray Roberts, WA2SSU, reporting for VHF of Rochester that the 444.25/449.25 repeater would be located at Bldg 69 at Kodak Park. RARA's PR man David Holtz, WB2HTH, wrote a lengthy article on "Amateur Radio Contributions to Rochester and the Public." Reported in this issue was that Rochester Mayor Ryan declared this week as Amateur Radio Week. From the Want Ads you could buy a Swan 250C 6 meter SSB transceiver for \$450.00 from Bill Howard, WA2MCH. Allied TV and Radio (WB2HZG) remained a long time commercial advertiser.



the **RARA RAG**

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RaRa/KODAK Joint Meeting December 2nd

December seems to be the month of practicing traditions. A long time Rochester tradition for December is that the Kodak Amateur Radio Club serves as host to RaRa for the monthly meeting. We are pleased to announce that there is no change for 1994; RaRa will be the guest of the Kodak Elmgrove ARC on December 2nd. This will be a regular meeting, starting at 8 PM as usual, only the location is changed.

See the map elsewhere in this issue (Nice job Keith!) for details on how to get there; it is the same location as it was last year. A convenient way to approach Elmgrove is to take 490 West from the city, then take the new Spencerport exit to Route 531. Once on the new expressway, take the very first exit to Elmgrove Road.

Keith Freeburg, N2BEL will man a Simplex Talk-In on 147.48 MHz for anyone needing further assistance.

This year our friends at Kodak are being doubly generous to RaRa in that they have invited one of their own as the evening's speaker. Mark Waldman, WB2JNW is with Kodak's Government Services Division. He will speak on a new observational telescope under construction for NASA. It is called the **ADVANCED X-RAY ASTROPHYSICS FACILITY** and will add to the data being gathered at optical wavelengths by the Hubble Space Telescope. Mr. Waldman's function is the alignment of the X-ray mirrors, which he refers to as 'grazing incidence X-ray optics' (I won't pretend to understand exactly what that means). He has a proven record of being a captivating speaker, and in case he doesn't bring it up, be sure to ask him "by how much was the Hubble mirror off, anyway?"

Bring your astronomer friends along.

WINTER FUNFEST
February 11, 1995

RaRa MEETING
December 2, 1994
8:00 P.M.
JOINT KODAK MEETING
Kodak Elmgrove

SEASONS GREETINGS

With the temperature in the 50's and the sun warm on the skin, it doesn't seem like I should be saying these words. But, sure enough, the season is coming. Just look in the stores, where we have all seen Christmas items on the shelves for weeks. Whatever the conditions now, this will be my last chance to get into the Christmas spirit for wishing all of the members of RaRa the best of Seasons Greetings for 1994 and a start on a very good new year, 1995.

Chris Reich will preside at the annual Kodak meeting. My Thanks to all the Kodak hams for having us there. On the night of December meeting I will be in the upper North-West corner of Maine, working public service radio on a PRO car Rally. It's crazy, I know, but it's like a vacation, it you don't get snowed in.

I do wish all of you the very best in the coming Holidays and also in 1995. And above all, HAVE FUN!

Roger, WB2BWQ

SILENT KEYS
EDWARD J. HOCKWATER
KB2HYU
October 25, 1994
MURRAY A. HAVELIN
K2YQT
October 31, 1994

VE Team Input

Ken Hall, W2KRH

The October 18th session had 9 successful candidates. We had 3 new Technicians, 4 Generals, two of which were upgrades and two were new as they passed both the Element 2 and 3 at a single session. We had 2 Extras, one of which was an upgrade and finally Todd Stath AC2OW who passed all 3 Elements. Congratulations Todd. I would be remiss if I didn't note that Wendy, KD2DYW the RARA Secretary, passed her General exam, way to go.

November 15th we held the VE session with 17 candidates. A full report will be in the January RAG.

The December session will be on 20th.

Ronald Robbins	KD2HEZ	E	Wendy Tascione	KD2DYW	G
Todd Stath	AC2OW	E	Kyle Connelly	KD2HIX	T
Brian Frost	KD2HIZ	G	David Fitzgerald	KD2HIY	T
Jairus Harvey	KD2HJA	G	Joseph Kutch	KD2HJB	T
James McCusker	KD2HEW	G			



Bill KB2CHD, Ken W2KRH and Gary WA2JNL enjoy a relaxed moment during VE testing

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.

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 8:00 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



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 2015.

ROCHESTER RADIO REPEATER ASSOCIATION, RRRRA

The Rochester Radio Repeater Association, RRRRA, invites you to attend its December meeting. Meetings are held on the 3rd Friday of the Month. Meetings are held in the Pittsford Town Hall Basement starting at 7:30 pm. The 2014 officers are Bob Shewell, N2HJD President, Rob Bruno, KD2GCG Vice President, Ed Wilkonski, KC2WM Secretary, and Joel Rossbach, N2EZV Treasurer. Hope to see you there.

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. The December meeting will be the Annual Christmas party and will be held at the AWA in Bloomfield on December 10th at 7:00PM. 73's Steve Benton WB2VMR.

GENESEE VALLEY AMATEUR RADIO ASSN.



DRUMLINS AMATEUR RADIO CLUB

Our meetings are held the third Wednesday of each month. The December meeting is Wednesday the 19th. Doors open at 7:00pm, meeting starts at 7:30pm at the Wayne County EOC, 7376 Route 31, Lyons. VE sessions held before the meeting on even months. December testing will start at 7:00pm. Talk-in before meeting on 146.685-.

ROCHESTER VHF GROUP

The Rochester VHF Group holds monthly meetings on the second Friday of the month between September and June. Meetings begin at 7:30 PM and are held at the Spencerport Wesleyan Church, 2653 Nichols St. (NY Route 31) in Spencerport. 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

RDXA Holiday Party—(no December Meeting)

Tuesday December 16, 2014 (Reservation cutoff - December 9, 2014)

Location - Rick's Prime Rib

898 Buffalo Road, Rochester, NY 14624

6:00pm Cocktail Hour

7:00pm Dinner



Price \$25 per person for :

Prime Rib, Chicken French or Orange Roughy Hors d'oeuvres, coffee, tea, and desert provided. Cash bar.

Please contact banquet coordinator Nikki Huntgate at nicole.hungate@gmail.com with reservations or questions.

November Puzzle Solution



NOTE: There was a typo in the Word Search words.

Digitally coupled should be digitally controlled.

December Puzzle

Match column A with column B

A	B
1127	Boltzmann's Constant
120π	cm / in
$(120 \pi P)^{1/2}$	Electrons in 1 Coulomb
12756	Average Distance to the Moon
1.38×10^{-23}	V/M - Field Strength of an Isotropic Radiator
2.15	Gain of a Dipole in dbi
238857	km - Diameter of the Earth at the Equator
2.54	Resistance of Free Space
299,792,458	ft/sec - Speed of Sound
3.141592653589	Feet in a Mile
$32.45 + 20 \log d + 20 \log f$	Watts / HP
3476	M/S - Speed of Light
$4 \pi r^2$	PI (π)
5280	db - Path Loss of Free Space
6.25×10^{18}	Surface of a Sphere
745.7	km - Diameter of the Moon

References were the following:

- Reference Data for Radio Engineers, 6th Edition
- ARRL Handbook, 1995 and 2015
- Various web sites for diameters of the moon and earth

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.
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