

Oct. 12th

# Introduction To The Raspberry Pi

Ralph Iden - WB9ICF



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# President's Message

Greetings all,

Its October already and we all know what that means! Club ELECTIONS are here. For those who may not be aware, the reason we hold elections in October is so those who might be new to a position, have two months to attend board meetings and get up to speed on what is going on in the club, and how things are handled. The club is only as good as those who volunteer to help make the club a success, so please think about helping out and volunteering for a position.

I would like to thank all those who helped work the tables, and brought out items to sell at the 2018 Radio Expo in Belvidere. As this is the only fund raiser for the club their help is truly appreciated. At this time not all the numbers are in, but its looking like we made over \$700.00 for the club. Way to go for all who helped!

As many of you may be aware we have replaced the 146.610, and 147.000 repeaters with the new upgraded DR-2X units. So far the 146.610 appears to be working very well and the sensitivity on receive seems to be better than the old unit, along with the broadcast signal which seems very clear. There are issues with the 147.000 unit which the repeater committee is looking into and have some ideas on a possible cause. Any updates on resolutions will be passed on as soon as they come available.

That is all I have for now, I hope to see you at the meeting on the 12th.

73, Gordon Seaman KC9NEX  
2018 RARA President  
kc9nex@gmail.com



## 2018 RARA Officers & Board

### Officers:

President  
Gordon Seaman, KC9NEX  
815-262-0294,  
kc9nex@gmail.com

Vice President  
Randy Long, AC9OF  
815-978-6673  
randy@rdlgraphics.com

Secretary  
Open

Treasurer  
Jennifer Van Zieleghe  
KD9FMJ  
815-222-4221  
jenleek@usa.com

### Directors:

Repeater Chairman  
Kurt Eversole, KE9N  
815-389-2784  
kurt.eversole@gmail.com

Greg Kuczek, W9VOX  
815-713-5461  
gjk1406@comcast.net

Jacek Gadj, KD9ELI  
773-505-5604  
hyacinth27109@yahoo.com

John Goodwin, N9JHG  
815-520-3842,  
goodwin49@gmail.com

Larry Schubert, AC9GO  
815-624-7772  
larry.schubert@gmail.com

### Special Projects:

Hamrag Editor  
Lynn Long, KD9IFP  
815-978-6673  
randy@rdlgraphics.com

Webmaster  
Randy Long, AC9OF  
815-978-6673  
randy@rdlgraphics.com

Repeater License Trustee  
Robert Larson, KC9ICH  
815-540-0309  
rlarson4@sbcglobal.net





## Editor's Note

The Hamrag is smaller this month - we need more items submitted to fill this out each month.

Thanks  
Lynn Long KD9IFP  
Hamrag Editor  
randy@rdlgraphics.com.

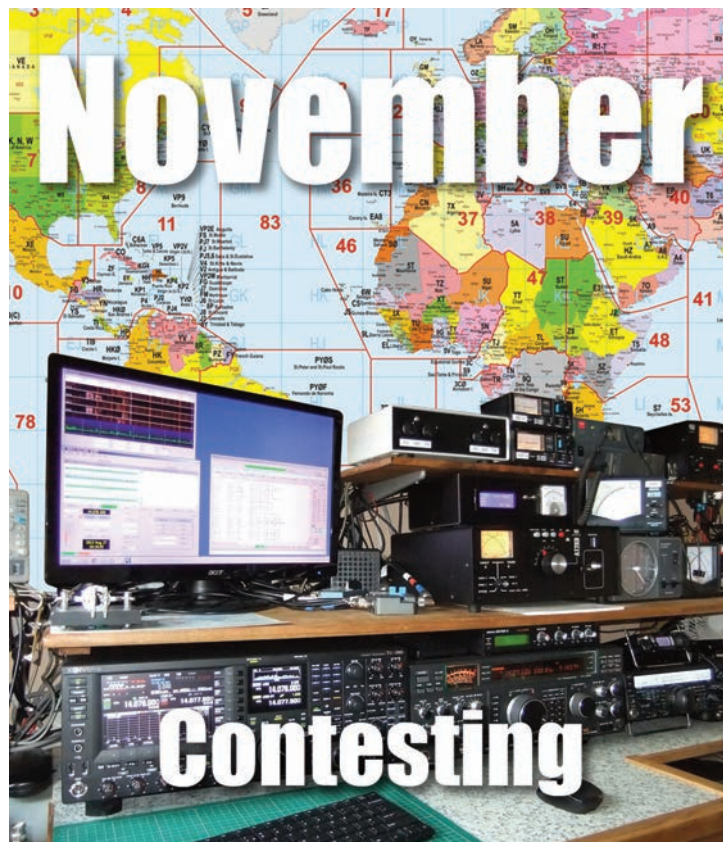
## Friday Morning Breakfast



**Meets every Friday morning from 8 am until about 10:00 am. An informal gathering of ham folks, no affiliations necessary, good food and good company.**

**Everyone is welcome to attend.**

**"The Spring Garden Family Restaurant"  
4820 N. 2nd Street  
Loves Park, IL 61111**



## Contesting

## RARA Repeaters

Both repeaters (146.610 and 147.000 (both have a pl 114.8)) will function with both digital and analog radio signals, but the repeaters require time to determine whether the signal is digital or analog. To operate the repeater properly you must first be sure the frequency is clear, then key and hold the microphone button down for 1-2 seconds. Then begin speaking. If you fail to do this, the first part of your message will be lost.

## RARA Mission Statement

A member association with common interest of public service to the community through the use of amateur radio.

# Election Time

It's time to make your nominations for 2019 Officers and Directors. Nominations will be finalized at the October 12th meeting and presented to club members in the November Hamrag. RARA club members will vote for Officers and Directors at the November 9th meeting.

I ask that all members participate by emailing me at [kc9nex@gmail.com](mailto:kc9nex@gmail.com) before our October 12th meeting if you are interested in any one of these positions, have questions about responsibilities, or recommend another member for a position.

Below are general descriptions of the responsibilities for each position.

## **President (Open for 2019)**

Presides at all meetings according to the Rockford Amateur Radio Association's constitution, by-laws and rules of order. Appoint all committees, sign official documents and carry out the recommendations of the Board of Directors. The President is also Chairman of the Board.

## **Vice President (Open for 2019)**

Presides over meetings if President is absent and coordinate meeting presentations.

## **Secretary (Open for 2019)**

Keeps meeting minutes, roll of members, provide applications for membership, and oversee amendments, changes & additions to the constitution and by-laws.

## **Treasurer (Open for 2019)**

Is the custodian of monies received and expended, keeping records and issuing the Treasurer's Report to the Board of Directors monthly.

## **Directors (4+)**

The Board of Directors shall include these Officers, a minimum of four Directors, and current editor of the monthly bulletin (Hamrag).

## **Other Openings/Opportunities To Serve**

The President also appoints the Hamrag editor, webmaster, and repeater committee chairperson. Contact me if you are interested in any of these positions.

73,  
Gordon Seaman  
KC9NEX





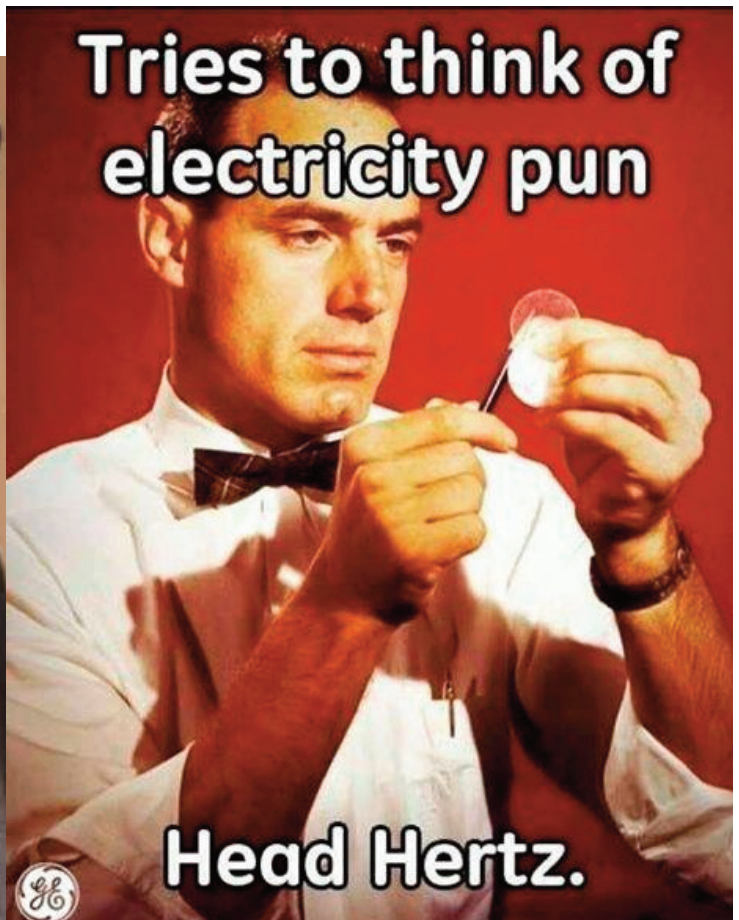


# Ham Funny

**OHM**



**OHM ON THE RANGE**



# RARA Member Survey

Help us plan for 2019. RARA would like to know what you are working on, program topics you would like to see in the next year and or other ideas that will help us plan for 2019.

What program topics would you like in 2019?

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What are you working on - or other ideas that might help us plan for 2019.

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Give this to any of the RARA board members at the October meeting. Thanks for your help.

## Raspberry Links

- **Raspberry Pi** - <https://www.raspberrypi.org>
- **The Best Operating Systems for Your Raspberry Pi Projects** - <https://lifehacker.com/the-best-operating-systems-for-your-raspberry-pi-projec-1774669829>
- **Choosing a Raspberry Pi OS? Here's the definitive list** - <https://www.techrepublic.com/pictures/choosing-a-raspberry-pi-os-heres-the-definitive-list/>
- **The ultimate Guide to Raspbian and other Raspberry Pi Software** - <https://eltechs.com/raspbian-and-other-raspberry-pi-software/>
- **Raspberry Pi: Everything you need to know** - <https://www.pcworld.com/article/3206275/computers/raspberry-pi-everything-you-need-to-know.html>
- **Ten operating systems for the Raspberry Pi** - <https://www.networkworld.com/article/2842678/computers/ten-operating-systems-for-the-raspberry-pi.html>

- **Raspberry Pi Software** - <https://genesis.farm.bot/v0.8/docs/raspberry-pi-controller>
- **Raspberry Pi's 'app store' lands with new Raspbian OS update** - <https://www.zdnet.com/article/raspberry-pis-app-store-lands-with-new-raspbian-os-update/>
- **Raspberry Pi Resources** - [http://www.raspberry-projects.com/pi/category/software\\_utilities](http://www.raspberry-projects.com/pi/category/software_utilities)
- **Raspbian for Robots** - <https://www.dexterindustries.com/raspberry-pi-robot-software/>
- **Essential Free Windows Software for Raspberry Pi Owners** - <https://www.lifewire.com/windows-software-raspberry-pi-4102081>
- **HOW TO INSTALL GAMES AND OTHER SOFTWARE ON THE RASPBERRY PI** - <https://www.dummies.com/computers/raspberry-pi/how-to-install-games-and-other-software-on-the-raspberry-pi/>



# Thoughts To Ponder..

- What if my dog only brings back the ball because he thinks I like throwing it?
- If poison is past its expiration date, is it more poisonous or is it no longer poisonous?
- Which letter is silent in the word "Scent", the S or the C?
- Why is the letter W, in English, called double U? Shouldn't it be called double V? (like the French do)?
- Maybe oxygen is slowly killing you and it just takes 75-100 years to fully work.
- Every time you clean something, you just make something else dirty.
- The word "swims" upside-down is still "swims".
- Intentionally losing a game of rock, paper, scissors is just as hard as trying to win.
- 100 years ago, everyone owned a horse and only the rich had cars.
- Today everyone has cars and only the rich own horses.
- Your future self is watching you right now through your memories
- If you replace "W" with "T" in "What, Where and When" you get the answer to each of them.
- Many animals probably need glasses, but nobody knows it.
- If you rip a hole in a net, there are actually fewer holes in it than there were before.
- Why doesn't McDonald's sell hotdogs?
- At a movie theatre which arm rest is yours?
- What is Satan's last name?
- Why do doctors leave the room when you change? They're going to see you naked anyway.
- Where does the toe tag go on a dead person if they don't have toes?
- Why is there a disclaimer on the Allstate Auto Insurance commercials that says "Not available in all states"?
- If a person dies and then springs back to life, do they get their money back for the coffin?
- Do they bury people with their braces on?
- How far east can you go before you're heading west?
- How does a Real Estate company sell its office without causing confusion?
- Why do people think that swaying their arm back and forth would change the direction of a bowling ball?
- Why is it that everyone driving faster than you is considered an idiot and everyone driving slower than you is a moron?
- If a kid refuses to sleep during nap time, are they guilty of resisting a rest?
- Is it rude for a deaf person to sign with their mouth full of food?
- Why is the Lone Ranger called 'Lone' if he always has his friend Tonto with him?
- When does it stop being partly cloudy and start being partly sunny?
- Are eyebrows considered facial hair?
- Is there a time limit on fortune cookie predictions?
- Since bread is square, then why is sandwich meat round?
- Is the word "dictionary" in the dictionary?
- Why is it that on a phone or calculator, the number five has a little dot on it?
- Can you have square crop circles?
- If ghosts can walk through walls and glide down stairs, why don't they fall through the floor?
- Is it legal to travel down a road in reverse, as long as you're following the direction of the traffic?





### Programs 2018

October - Raspberry Pi

November - Contesting

December - Satellite Communications

### Programs 2019

January - Awards Banquet

### Meetings

October 12, 2018

General RARA Meeting 7:00 pm at OSF

October 16, 2018

RARA Board Meeting 7:00 pm at OSF

November 9, 2018

General RARA Meeting 7:00 pm at OSF

November 20, 2018

RARA Board Meeting 7:00 pm at OSF



# Ham Testing

The following applicants were successful:

### Testing In Rockford

Falland, James C - KD9LMM  
Upgrade to Extra

Lozinski , Wayne T - Extra

Raffety , David F - Technician

### Testing at Ham Fest 2018

Gaylord, William W. - KD9CKC - General

Ramstedt, Vivian J. - KD9JWG - Extra

Zaleiski , Bruce A. - K9ALZ - Extra

Amateur Radio exams are held the 3rd Saturday of every month in Rockford IL. The next session is 9 AM October 20, 2018.

Walk-ins welcome. Check-in is from 9AM-10AM, no exams started after 10:30.

We require two signature ID's and one photo. If you are a licensed Amateur Radio operator bring a copy of your FCC ULS page with your call sign. If you are using a CSCE for exam credit, bring the original and a copy (We need to see the originals & keep a photocopy of each). No copier on site. The test fee is \$14.00. Bring a non-programmable calculator.

### Location:

OSF St Anthony Medical Center  
5666 E State St (Bus US20) Rockford IL  
Exams are held in the St Francis Room  
(Main Entrance then turn right).

Jim Holich AB9SX  
jholich@comcast.net





# Meeting Minutes

**Sept. 14, 2018**

The meeting started at 7:05 pm with Gordon Seaman, KC9NEX, conducting the meeting.

Number of people attending: 16

**Introductions of all in attendance were made.**

### July Meeting Minutes

The August 14, 2018 meeting minutes were read by Gordon Seaman, KC9NEX. There were no additions or corrections. A motion to approve was made by James Curtis, KC9GOL. The motion had a second by Larry Schubert, AC9G0. The motion passed.

### Treasurers Report

The Treasurers report was read by Gordon Seaman, KC9NEX. The current balance is \$6405.99. A motion to approve was made by Larry Schubert, AC9G0, and seconded by Randy Long, AC90F. The motion passed.

### Old Business

There was none

### New Business

Kurt Eversole, KE9N brought up information concerning the two new Fusion repeaters which the club purchased under the current upgrade program thru Yaesu. At the time there is no current replacement schedule in place but they will be installed soon. He also spoke about the two Ham IV rotors that he rebuilt and would be for sale at the Belvidere ham fest along with information concerning how members could sell items at the club tables and how fee's would be charged due to the selling price.

Gordon Seaman, KC9NEX brought up the Head of the Rock Regatta which is being held on October 14th, 2018 from 7am to 4pm. Scott DeSantis is looking for volunteers for the event, if you would like to volunteer or get more information you can

contact him either thru email at kb9vrw@gmail.com or call him at 815-790-9690

### Program Information

**Program Subject:** Exothermic Cadwelding

**Presenter:** Randy Long, AC90F

**Comments:** Randy presented a very informative presentation on cadwelding which many in attendance had never seen before. Through videos and equipment he brought in from his own experiences he was able to talk about his own cadwelding at his home tower and radio shack installations. There were many questions and discussions about the procedures and equipment involved and was very well received.

### Adjournment

A motion to adjourn was made by Ron Callahan Jr, N2RON. A second was offered by James Curtis, KC9GOL. The motion passed.

The meeting concluded at 9:00pm.

**The meeting minutes were taken by and submitted by Gordon Seaman KC9NEX.**



Ron Callahan, Bruce Carlson, Jim Hall at Superfest



# Area Nets

## Monday Night RARA Information Net

The purpose of the net is to disseminate RARA related information as well as other Amateur Radio related information. As a club sponsored activity, please check in with Jimmy, KC9GCR, (net control). 146.610 - offset (pl 114.8) RARA repeater at 8:00 pm, every Monday, except on holidays.

## Tuesday Night Tech Net

at 8:00 pm, 145.110 (pl 123.0). Tony, N9ARB, is net control.

## Wednesday Night Stephenson County ARES (Amateur Radio Emergency Service) Net

at 7:00 pm on 147.390 + offset (pl 114.8). N9ARB, Tony, is net control.

## Thursday Night Northern Illinois ARES (Amateur Radio Emergency Service) Net

at 7:00 pm on the 147.195 + offset (pl 114.8) repeater.

**Thursday Night Northern Illinois Skywarn net** at 8:00 PM on the 147.195.

**Friday Night Fun Net** - Every Friday night at 8:00 pm on the 146.610 - offset (pl 114.8) RARA repeater with Jimmy, KC9GCR, as net control.

**HF Net Information** - Head on over to the RARA website and take a look at the "Nets" page. We now have listings and links to great HF nets.

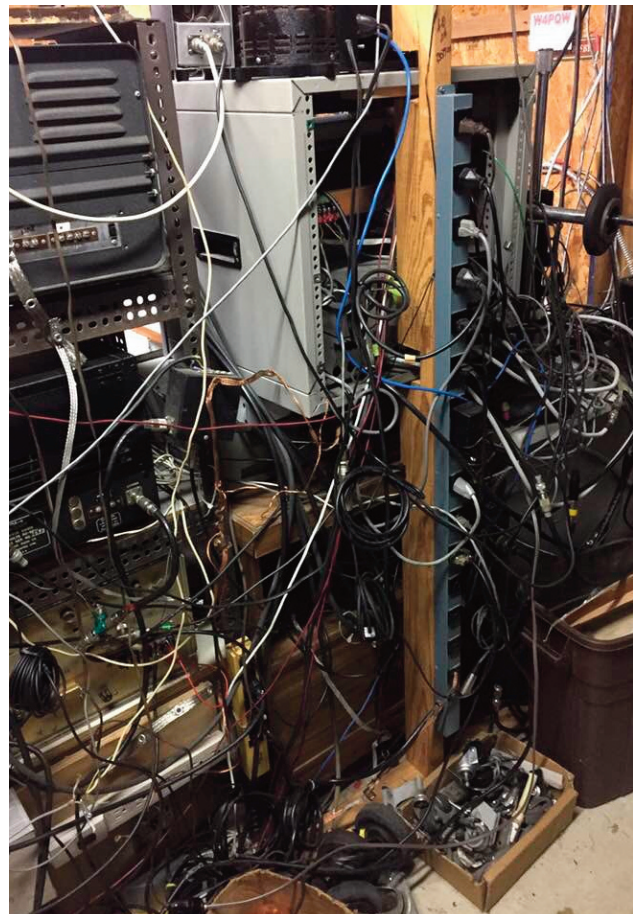
## Member Profile & Ham Shack

It has been suggested that we bring back an old Hamrag feature - "Member profiles and ham shack photos".

If you are interested in being featured in a future Hamrag we will need the following:

1. A good head and shoulders photo (of yourself).
2. A few photos of your shack and antenna system.
3. A nice profile story about yourself, how and why you are in the hobby, what modes you like working and what projects you're working on (see page 4 for a great example).

Send your photos and profile to:  
Lynn Long KD9IFP  
randy@rdlgraphics.com.



# RARA Membership Form

If you would like to join the Rockford Amateur Radio Association, please fill out the form below and mail it (with the membership fee payment) to the address shown at the bottom of the form. If you would like to join at our next meeting (see cover for meeting details), fill out the form and bring the form with your payment to the meeting and see our treasurer, Jennifer Van Zieleghe, KD9FMJ.

**Thank you for your support!**



## MEMBERSHIP APPLICATION

website: w9axd.org

Membership Type:  New  Renewal

Annual Fees:  \$20 - Student (up to age 24)

\$35 - Adult  \$25 - Senior (age 62+)

Above rate includes the  
RARA monthly newsletter, Ham Rag, via email  
Ham Rag via USPS: \$12 extra

Name: \_\_\_\_\_

Call Sign: \_\_\_\_\_

Email Address: \_\_\_\_\_

Address: \_\_\_\_\_

Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone #: \_\_\_\_\_ Work #: \_\_\_\_\_

Cell #: \_\_\_\_\_ Ext: \_\_\_\_\_

Radio Interests: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

May we make your phone and e-mail available for other RARA members only?  Yes  No

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

RETURN THE COMPLETED FORM TO:  
ROCKFORD AMATEUR RADIO ASSOCIATION  
P.O. BOX 8465  
ROCKFORD, ILLINOIS 61126

All membership applications to become either a new member or to be reinstated as a member of RARA must be approved by the RARA board.

Approved: \_\_\_\_\_ Membership Year \_\_\_\_/\_\_\_\_/\_\_\_\_ to \_\_\_\_/\_\_\_\_/\_\_\_\_