



# NOARS LOG

VOLUME 52, ISSUE 4

APRIL 2016

## SPECIAL POINTS OF INTEREST:

- Member Spotlight is on Tom W8KYZ
- Win a Yaesu Digital Transceiver
- What is ARES?

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## Jane-Waves



Thank you to all who attended the NOARS Winter Hamfest. Attendance was up from last year and a good time was had by all. We met new vendors, and greeted dedicated regulars. Volunteers were moving things hither and yon, flipping pancakes in the kitchen, logging-in at the door, raffle-ing around the room and keying those iambic pulsators. Informative displays and experienced Elmers challenged those looking to expand the Amateur experience. But most Hams came for the camaraderie and friendship that develops over time, shared in nets and contests and rag-chews and morning coffees. In fact, a vested member suggested a telling tagline for us... NOARS, The Club that Cares!"

We care about the members who suffer from life's disappointments. Our Sunshine Chair, Dee KA8VTS, will spread the word to garner friendly support and encouragement. And we send warm thoughts to Dee KA8VTS as she battles COPD.

We care about the families and friends of the Silent Keys who made the Club what it is today.

We care about members' privacy, and the Board is developing policy to protect your personal information on the NOARS web site. If any member objects to the use of their photograph, first name, last name, or call sign in the NOARS newsletter, promotional materials or web sites, please contact me as Newsletter Editor or Carl W8KRF as Webmaster, so we can abide by your wishes.

We certainly care about the

safety of our youngest supporters in light of all the publicized danger that lurks in the hidden corners of the Internet. So NOARS takes the Children's Online Privacy Protection Act of 1998 (COPPA) to heart and will not be publishing any photos of children under the age of 13. For children between the ages of 13 and 18, written parental/guardian permission will be necessary to publish their photos in the NOARS newsletter, promotional materials and web sites.

April is the time of new beginnings, and as the weather breaks, flowers and antennas will be springing upwards and warm thoughts of exotic QSLs and new rigs will stir the heart. May the best of what Amateur Radio has to offer come to you.

73, Jane/ K8JGR  
K8JGR@ARRL.net

## Congratulations

Welcome to our **NEW NOARS members:**

**Mark Fain KE8DIH**, a General Class Licensee from Lorain.

**Don Cernanec KE8CTB**, a Technician from Medina.

**Thomas Tillack NQ8O**, an Extra Class licensee from Elyria.

**John Baddour KC8KI** an Extra class license holder from North Olmsted.



**Congratulations to our UP-GRADES:**

**Tom Southam KA8WLI**, Extra

**Mark Fain KE8DIH**, Extra Class

**Thomas Dolan KE8CWF**, General

**Bill Eyman KE8DIF**, Technician

# Member Spotlight - Tom W8KYZ



**Tom W8KYZ**  
NOARS Treasurer

**Name, Call Sign, and Tech/ General/ Extra?**

Thomas Porter, W8KYZ, Extra Class Licensee

**How long have you been a ham?**

From 1949 to 1952 I was a SWL. I was first licensed in 1953 as WN8KYZ.

**How long have you been a member of NOARS?**

Membership since early 1080's and have been President, Vice President and now Treasurer since 1996. I also serve as Net Control on the 2-meter and 10-meter nets.

**What/who got you interested in amateur radio?**

W8VZ(SK) from Marietta took me on a Field Day in 1952 and I have been hooked on Amateur Radio since then.

**What modes of operation do you like best?**

CW, SSB, and RTTY

**Current projects?**

Cleaning up the shack and

basement before XYL cuts my allowance!

**Awards?**

ARRL CP—25wpm 1959, ARRL Charter Member 60-Year Certificate, ARRL Maxim Society member, 50-Year Service Award from Navy/Marine Corps MARS 2015

**Favorite rig(s)?**

See the picture below for the HQ-129X receiver and the Harvey-Wells TBS-50 transmitter.



**Tom W8KYZ in 1958**

**What would you like to learn more about?**

How to operate digital, Olivia, MT-3 and M110A

**What line of work were you in?**

Lorain County Children Services Director, 27 yrs; Muskingham County

Children Services Director, 4 yrs; US Navy Reserve E-8, Senior Chief Radioman, 34 yrs; Ohio State Reformatory, Mansfield, Counselor, 3 yrs; Tour Bus Driver, 275,000 miles over nineteen states and Canada, 12 yrs.

**What would you like to see in NOARS?**

Recruit new members, continue quality programs/ meetings.

**Best Ham Radio experiences:**

- Field Day 1952
- First contact on CW, 80 meters with a YL, in 1953.
- Probably no other experiences were so exciting as operating on 10 meters, SSB 25-watts, AR-10 and being "hunted" as a DX station from: VP2V British Virgin Island 1991, J3 Grenada 1992, J8 St Vincent 1992, HI Dominican Republic 1999.

# Win a Digital Transceiver



NOARS is offering a chance to win a **Yaesu FTM-400XDR** C4FM FDMA/FM 144/430 MHz Dual Band Transceiver for a donation of \$5.00 per raffle ticket. **Only 200 tickets will be sold.** The drawing will be held at the first NOARS General Meeting after 200 tickets are sold.

Contact Alex N8QL at [raffle@noars.net](mailto:raffle@noars.net) for more information or if you wish to make arrangements to purchase tickets. Cash or Checks made out to **Northern Ohio Amateur Radio Society** will be accepted.

The Yaesu FTM-400XDR digital transceivers are the first mobiles to be fully compatible with the Yaesu System Fusion Dual Mode Analog/Digital communication systems as used by NOARS.

Enter to win! Tell your friends!

The raffle winner will be contacted and announced in the *NOARS Log* newsletter.

<b>Northern Ohio Amateur Radio Society</b>				
<b>FTM-400XDR Raffle</b>				
C4FM FDMA / FM				
144/430 MHz DUAL BAND TRANSCEIVER				
Drawing will be held once 200 tickets are sold				
<b>DONATION \$5.00</b>				
Thank you for your support!				

<b>No 00001</b> Name _____ Call _____ Address _____ Phone _____ Email _____	<b>SAMPLE</b> NOARS FTM-400XDR Raffle	<b>No 00001</b>
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# March 21, 2016 Meeting Minutes

## Minutes of the March 21, 2016 General Meeting

Submitted by Clark Beckman N8PZD on behalf of Secretary, Darlene Ohman KA8VTS

The meeting came to order at 7:00 pm, 32 Members and guests present.

**Secretary's Report:** President, Jane K8JGR called for a motion to suspend the reading of the February minutes as published in the March *NOARS Log*. The motion was made by Bob W8RET, seconded by Tom KE8CWF and passed by vote of the members that the minutes be accepted as published.

Jane was notified that Darlene Ohman KA8VTS asked for a replacement as Secretary, as she is battling a health issue. Clark N8PZD offered to take the minutes of the March meeting.

**Treasurer's Report:** Treasurer, Tom Porter W8KYZ gave March's Treasurer's Report. A motion to approve the Report was made by Dave W8KFJ and seconded by Alan KF8PM.

**President's Report:** Jane K8JGR mentioned that she attended an interesting ARES Ohio Section, District 10, Training Workshop in Painesville on March 19th that covered topics: Statewide ID Program, NVIS Antennas, FLDIGI and Public Service Event Communication.

Jane also noted that Skywarn Training will be available March 23rd and an ARES Statewide Tornado drill is scheduled for March 23rd.

### Standing Committee Reports:

**Membership report:** Carl W8KRF reported 85 members have paid their dues for 2016, not counting several members who are signing up at tonight's meeting.

**Program:** Carl W8KRF will present a program in April on Wires-X.

Dave KY8OSU contacted NASA to line up a possible program presentation.

**Website:** Carl W8KRF is still tweaking the new NOARS.net website.

**Nets:** Bob W8RET said that the nets are going pretty good.

**Repeaters:** Carl W8KRF said that Wires-X is up and running on our UHF repeater and encourages members to try it out.

*If there are any errors or corrections to the minutes, please mention during the next General Meeting*

## Meeting Minutes - Continued

**Sunshine:** Chair, Darlene KA8VTS, is once again in the hospital. A get-well card for her was passed around for words of encouragement. Our thoughts are with her.

**Winter Hamfest:** Tom W8KYZ mentioned that the 2016 Winter Hamfest was larger than the one held last year in 2015. Attendance increased by 20-25 people and we generated a nice profit for the club.

### Old Business:

Alex Pasini N8QL has sold half of the raffle tickets for the Yaesu FTM-400XDR at \$5.00 per ticket. Only 200 tickets will be sold which should generate a few hundred dollars for the club. Alex asked members to pass the word about ticket availability.

A new motion was made by Bob W8RET to purchase the FTM-400XDR for an amount not to exceed **\$660.00**, seconded by David W8KFJ. The motion passed.

### New Business:

**Adjournment:** President called for a motion to adjourn. The motion was made by David W8KFJ, seconded by Bob W8RET and passed by a vote of the members. The meeting was adjourned at 7:30pm to accommodate the evening's program.

**50-50 Raffle:** Generated \$15.00 for the club and \$15.00 for the winner, Bob W8NNC.

**Program:** Ken Koyan K8TV gave an excellent show-and-tell Spectral Purity Analysis of members' HT harmonics.

## Commercial Radio Design

The **German Museum für Angewandte Kunst Köln** has a special exhibit, Radio Zeit, on view through June 5. Drawn from its extensive permanent collection, the exhibit highlights unusual broadcast radio receiver design innovations. Interior Design Magazine posted several cool pieces from the collection at <http://www.interiordesign.net/slideshows/detail/8900-rare-vintage-radios-on-view-at-the-makk-in-germany/1>



## Past Program: March 21st

**Ken Koyan K8TV** gave a great “show and tell” for our March General Meeting Program. He analyzed the spectral purity of members’ HTs, i.e., harmonics that radiated out to 1 GHz. Wayward harmonics can raise havoc in both emer-

gency and casual communications. Ken found most HTs tested at the meeting were within an acceptable range. Even the less expensive models like the Baofengs fared pretty well, and Ken explained the newer ones have been upgrad-

ed by Baofeng. Of course he found that the high-end HTs such as sold by Icom, Yaesu Motorola and the like radiate the fewest harmonics. We thank Ken for his excellent presentation.



## Roll Call: March Meeting

### 32 Members and Guests in Attendance:

K8AGW \* K8HRD \*

K8IC \* K8JGR & Kevin \*

K8TV \* KA8WLI \*

KB8WUA \* KD8NGE \*

KE8CTB \* KE8CWD \*

KE8CWF & Lily & Willow \*

KE8DIF \* KE8DIH \*

KF8PM \* KY8OSU \*

K8KIZ \* N8PZD \*

N8QL \* NC8X \*

NQ8T \* W1AFC \*

W8GWD \* W8KFJ \*

W8KRF \* W8KYZ \*

W8NNC \* W8RET \*

W8TWC \* WB8UPA



## Call Signs Heard on NOARS Nets

### March 2016 Tuesday & Thursday Nets

AC8RV - K8AGW - K8HRD -  
K8IC - K8KIZ - K8ME - K8RWC -  
K8WRS - KA8BPU - KA8WLI -  
KB0MLT - KB8RST - KC8AGU -

KC8FQV - KD2HCE - KD8KBO -  
KD8NGE - KD8VIQ - KD8VTX  
KD8WON - KD8YZ - KD8ZRL -  
KE8CTB - KE8CWE - KE8CWF -  
KE8DHG - KF8PM - KI8DR -  
KY8OSU - N4RRE - N8CWF -  
N8PZD - N8WS - N8XNV -

NC8OS - NC8X - NQ8T -  
W1AFC - W8BHJ - W8GWD -  
W8KRF - W8KYS - W8KYZ -  
W8RET - WA8ERA - WB8UPA -  
WD8CSP - WD8JMM - WD8OSJ

# Winter Hamfest Notes



The 2016 NOARS Winter Hamfest was a resounding success! This year's date change to March 6th was a month later than in the past and the milder weather generated a larger turnout and happier participants.

Vendors tables were filled with cables and gizmos and equipment and nostalgia for all to browse.

**Thank you to the many volunteers** who made the Hamfest possible. Dee KA8VTS as Chairperson, assisted by her daughter, Debbie, had the room set-up diagrammed, vendors reservations set and sold tickets at the door.

Many, many fellows jumped in and helped with table set

up and room arrangement.

Bob W8RET manned the mobile call-in table while Harold K8HRD and Alex N8QL hawked raffle tickets.

Breakfast of pancakes and sausages was a big hit with attendees again, and Al N8CX made sure all the supplies were on hand to feed the masses.

The Kitchen Krew efficiently kept up with the demand, with Clark N8PZD, Stephanie KD8TCZ and her friend flipping the griddle cakes, helpers handling warming trays, and Lilly and Willow marking tickets.

The pancake breakfast not only satisfied hunger, it propagated lively conversation around the tables with

old friends and new.

Tom W8KYZ scored the donated door prizes from MFJ and commanded the mic as MC. Carl W8KRF ensured no one had forgotten anything!

NOARS shouts out a special thank you to Chet Roberts K8KIZ, whose first-of-a-kind Vibroplex Clinic was enthusiastically received.

Chet restored many "bugs" to their original specs as well as slowing down sending speed where warranted. We are proud of our members skills and truly appreciate their willingness to share their expertise.

Thank you to all members and friends who made the 2016 NOARS Hamfest a day to remember.

## April 18th Program



Carl Rimmer W8KRF

Longtime NOARS Board Member, Past President, and Repeater Team Chair, **Carl Rimmer W8KRF** will enlighten us about **What is Wires-X?**

After much research, Carl has installed and maintains our two state-of-the-art Yaesu System Fusion, DR-1X Repeaters with digital capabilities, one on NOARS VHF 146.700 (-) PL110.9 and the other on NOARS UHF 444.800 (-) PL 131.8.

Our UHF repeater can

connect to the world through the internet with what Yaesu calls Wires-X. WIRES (Wide-coverage Internet Repeater Enhancement System) is an internet communication system which expands the range of amateur radio communication. For WIRES-X, an amateur node station connecting to the Internet is used as the access point and connects the wireless communication to the Internet. Users' stations can communicate with other amateur stations all over the

world using a node within the radio wave range. WIRES-X of course also supports traditional analog FM users.

As Yaesu continues to improve the system, so too, with Carl's help, will our NOARS repeaters evolve.

Carl's presentation will explain all of this.

Bring your HTs, your friends and your questions. It is sure to be an informative and lively session.

## April Hamfests & Contests & Events

**04/02/2016**

Portsmouth Radio Club  
Hamfest

Location: Portsmouth, OH

Type: ARRL Hamfest

**04/09/2016**

Cuyahoga Falls ARC's 62nd  
Annual Hamfest

Type: ARRL Hamfest

Website: [http://](http://www.cfarc.org/hamfest.php)

[www.cfarc.org/hamfest.php](http://www.cfarc.org/hamfest.php)

**04/23/2016**

Jackson County ARC  
Hamfest

Location: Jackson, OH

Type: ARRL Hamfest

[http://jacksoncountyarcc.org/](http://jacksoncountyarcc.org/page3.html)  
[page3.html](http://jacksoncountyarcc.org/page3.html)

**04/24/2016**

Athens Hamfest

Location: Athens, OH

Type: ARRL Hamfest

Sponsor: Athens County Amateur Radio Association

Website: <http://ac-ara.org/>

Throughout 2016, Amateur Radio will be helping the National Park Service celebrate their 100th anniversary. Hams from across the country will activate, promote the National Park Service and showcase Amateur Radio to the public.





# April Calendar Events

**Happy April Birthday to the following members:**

K3KGX \* K8WRS \* KD8REW \*  
 KD8YIE \* KD8ZVI \* KE8ALW \*  
 KE8CWE \* KW7XX \* NQ8O \*  
 WIPDI

Please let Carl W8KRF know if your birthday is this month and your name doesn't appear here. There is a good chance that it's not in our database!

**April General Membership Meeting:**

Held 7:00pm sharp on April 18th at the North Ridgeville Branch of the Lorain Public Library, 35700 Bainbridge Rd., North Ridgeville, Ohio 44039 . Doors open 6:30pm.

Coffee and donuts will be available. The Program will follow the meeting.

**April Program:**

**Carl Rimmer W8KRF** will present a talk on *What is Wires-X?* to explain the technology and use on our UHF repeater. See page 8 for more information.

*Every day is a new opportunity. You can build on yesterday's*

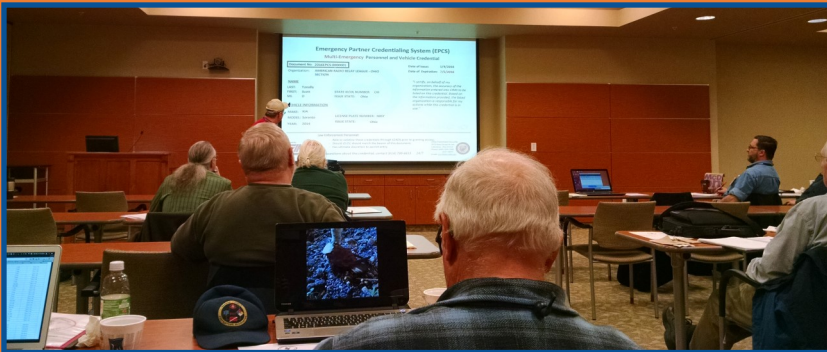
## April 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5 10M Net 8p NCS: NC8X	6 ARN 8PM BRTN 9:30p	7 2M Net 8p NCS: NC8X	8 ARN 7pm	9
10	11	12 10M Net 8p NCS: NC8X	13 ARN 8PM BRTN 9:30p	14 2M Net 8p NCS: NC8X	15 ARN 7pm	16 ARES OHIO NVIS Antenna Day
17 VE Testing ARC	18 NOARS Meeting 7:00pm	19 10M Net 8p NCS: NC8X	20 ARN 8PM BRTN 9:30p	21 2M Net 8p NCS: NC8X	22 ARN 7pm	23
24	25	26 10M Net 8p NCS: NC8X	27 ARN 8PM BRTN 9:30p	28 2M Net 8p NCS: NC8X	29 ARN 7pm	30

*success or put its failures behind and start over again. That's the way life is, with a new game every day, and that's the way baseball is.*

Bob Feller

# ARES



The **Amateur Radio Emergency Service® (ARES)** is the ARRL arm of emergency services. ARES consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes.

ARES is activated before, during and after an emergency. Generally, ARES handles all emergency messages, including those between government emergency management officials.

Volunteers help out with communications affected by local disasters such as weather events where there is a need for communications during a power outage or area weather event such as tornados or flooding.

Volunteers are also needed during major communication disasters such as caused by wide-spread weather events such as earthquakes, hurricanes, snowstorms and man-made emergencies.

Public Service Events are also an opportunity for ARES volunteers. Bicycle races and running marathons, parades and festivals all may offer the trained volunteer opportunities to assist in communications.

On April 23rd, the Ohio Section ARES is sponsoring an **Ohio NVIS Antenna Day** non-contest operating activity open to all amateurs focusing on short distance communication within Ohio and neighboring states. The goal is to concentrate on 40 meters, the usual daytime emergency band. More information can be found at <http://www.arrl-ohio.org/SEC>

To join ARES, register with our District 10, local ARRL Lorain County Emergency Coordinator (EC), Tim Lovejoy NC8OS, [nc8os@arrl.net](mailto:nc8os@arrl.net)



All Ad Submissions must be sent to [noarslog@noars.net](mailto:noarslog@noars.net) or to: NOARS Log 161 Herrmann Drive Avon Lake, OH. 44012 The deadline for submissions is the third Tuesday of each month. All must include: asking price, sellers name, call sign and phone number. Only ads from current NOARS members (or paid advertisers) will be accepted! Notice: all ads will be removed (unless updated) after three months (as space is needed)! NOARS reserves the right to refuse ads.

## For Sale



**Hy-Gain T2X Tailtwister Rotor** with manual and con-

trol box with manual. Has been repaired and updated by cats rotor doctor. **\$500**



**Kenwood TL-922 Linear Amplifier**

with manual, new band switch and updated by Don Kessler. Has a pair of 3-500z, 160 thru 10 meters. **\$800**

**Contact: Dwaine**  
**K8ME@sbcglobal.net**

## Antenna Specialist



**Kurt R. Dix**, President Plum Creek Systems, Inc. 2920 Plum Creek Parkkway. Medina, Ohio 44256

Microwave Specialist (unlicensed bands). Indoor/Outdoor Systems. Initial Assessments, Surveys, Troubleshooting, Service, Installation. 18yrs experience. 1000's of links. Indoors to 30+ miles.

Structured Cabling. Custom Video Surveillance Systems (based on Blue-Iris NVR).

Please contact him [kurt@plumcreeksystems.net](mailto:kurt@plumcreeksystems.net) if you need assistance.

Note: Kurt is the person who climbed our tower and repaired the antenna)

## For Sale

**Kenwood Transceiver TS-830S**

Good Working Condition  
New power supply  
Caps and Glitch protection installed one year ago.  
**\$600.00 Firm**

**William Adams WD8OSJ**  
[wd8osj@wd8osj.com](mailto:wd8osj@wd8osj.com)  
440-522-4622 (text only)



**Numechron Tymeter 24-hr Clock, Model 100 #67.**

Perfect working condition. No light, but it is unknown if it has one. It does have a tell-tale minute "squeak!"

**\$55.00 Chris KD2HCE**  
216-759-3488 or [kdhce@arrl.net](mailto:kdhce@arrl.net)



## 2016 Dayton Hamvention Bus Trip

Please reserve and pay for your 2016 Dayton Hamvention Bus Trip ASAP.

Saturday May 21, 2016 CARS is again sponsoring a Bus trip to the Dayton Hamvention.

*Every amateur radio operator in the world probably dreams about going to the Dayton Hamvention at least once. Please join us in 2016, it is an incredible event and offers something for everyone.*



The Bus trip will cost \$50.00 dollars per person, we will not stop for breakfast on the way down, but there may be a fast food stop on the way home. You are responsible for both your food and Hamvention tickets. Go to <http://www.hamvention.org/tickets.php> to order your tickets.

*Stop 1: The 56 passenger bus will leave promptly at 5:00 am from the Kmart parking lot at the intersection of Engle and Bagley Roads, in Middleburg Heights, Engle Road is a 1/4 mile west of I-71, Kmart is behind the Gas station. Vehicles will be safe, there is security.*

*Stop 2: The bus will also pickup riders at I-71 & Rt 303 at the SE corner of the Kmart parking lot and will depart for Dayton at approximately 5:30 am. When ordering tickets please tell us which stop you will be at.*

***Bus tickets must be purchased and paid for in advance.***

*If you have any questions please see Dwaine at a CARS meeting or call him at 440-582-3462. Checks must be made out to CARS and mailed to: Dwaine Modock K8ME, 8113 Thomhurst Dr., North Royalton, OH 44133 attn. Dayton bus*

73, Dwaine, K8ME

Road weary?  
Leave the driving to someone else!  
Catch up on that latest issue of QST!

## Thank You to a Sponsor

NOARS thanks MFJ Enterprises for their continued support of our Winter Hamfest and NOARSfest by providing catalogs, bags, and door prizes.

When considering purchases of equipment or accessories, please check out the inventory at MFJ.

MFJenterprises.com

# MFJ

# Join the ARRL

Are you joining the ARRL? Did you know that NOARS will receive a commission if you do your transaction through us?

## Commission Terms

ARRL Affiliated Clubs receive a commission for every new ARRL membership they submit to ARRL Headquarters.

Clubs retain \$15 for each new membership OR lapsed membership (of two years or more). A NEW MEMBER is defined as any individual who has never been a member of ARRL or any individual who has not retained a membership for two or more calendar years prior to the application submission.

If you are not an ARRL member, please consider joining now. As an affiliated Club, we are required that 51% of our membership be active ARRL members. If you are joining, contact Tom Porter, W8KYZ. This is important. You will gain benefits provided by being a member of the ARRL, and NOARS will receive some income to help support our activities and events, as well as our repeaters.

*Note: We are no longer processing renewals because of a poor cost/benefit ratio.*





### Northern Ohio Amateur Radio Society

#### NOARS

161 Hermann Drive  
Avon Lake, Ohio 44012

NOARS is a Public Service Organization with the purpose and goal to enhance the Amateur Radio Service through Public Service, Education, and Fellowship.

**Our 51st year serving the Amateur Radio Community of Northern Ohio**

- Meetings are held at 7:00 pm sharp on the third Monday of every month at the North Ridgeville Branch of the Lorain Public Library, 35700 Bainbridge Rd, North Ridgeville, OH. The meetings are open to the public and all are welcome.
- Regularly scheduled NOARS nets are every Tuesday night at 8 pm on 28.370 MHz, and every Thursday night at 8 pm. for the rag chew and technical discussion net on 146.700 MHz. NOARS FUSION Repeaters can be heard at 146.700 (-) PL 110.9 & 444.800 (-) PL 131.8 in Elyria, OH, as well as, 145.150 (-) PL 110.9 in North Royalton, OH. 3-minute TOT. EchoLink K8KRG/R or Node #502546
- Our repeater will be used by Burning River Traffic Net (BRTN) on Wednesdays at 9:30 pm.
- All licensed amateurs are welcome. NOARS membership is not necessary to participate. In fact all participation is encouraged and appreciated.



# NOARS

# e-Mail [noars@noars.net](mailto:noars@noars.net)

#### 2016 Elected Officials

**President:** Jane Reed K8JGR  
**V.P.** Dave Fisher KY8OSU  
**Treasurer:** Thomas Porter W8KYZ  
**Secretary:** Darlene Ohman KA8VTS

#### Committee Heads for 2016

**Program:** Alex Pasini N8QL  
**Membership:**  
Carl Rimmer W8KRF  
**Newsletter:** Jane Reed K8JGR  
**DX/Field Day:**  
Al Moriarty N8CX  
**Net Mgr:** Robert Tome W8RET  
**Hamfest:**  
Darlene Ohman KA8VTS  
**Website:** Carl Rimmer W8KRF

#### **Education:** Alex Pasini N8QL

#### **ARRL VE Team:**

Joseph Cebula W8GWD  
Steve Hill NQ8T  
Bill Isenberg K8IC  
Brian Kellison AC8RV  
David O'Connor II KD8MXE  
Joe Oney W8SSE  
Alex Pasini N8QL  
Tom Porter W8KYZ  
Jane Reed K8JGR  
Carl Rimmer W8KRF

#### **Sunshine:** Darlene Ohman KA8VTS

#### **Parliamentarian:**

Robert Tome W8RET

#### **K8KRG License Trustee:**

Al Moriarty N8CX

#### **Repeater Upkeep:**

Carl Rimmer W8KRF  
Clark Beckman N8PZD  
Bill Isenberg N8IC  
Tim Allen NC8X  
Tom Porter W8KYZ

#### **Photographer:** Robert Tome W8RET

# NOARS

is

# K8KRG