



NOARS LOG

VOLUME 52, ISSUE 3

MARCH 2016

SPECIAL POINTS OF INTEREST:

- Member Spotlight is on KA8VTS
- Win a Yaesu Digital Transceiver
- NOARS Winter Hamfest

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Jane-Waves

March is springing forward, bringing a spirit of renewal and energy to our club.

Check out our new website at NOARS.net. Carl W8KRF has been working relentlessly on redesigning the way we present ourselves to the world.

Plan on having a great time at our March 6th NOARS Winter Hamfest. Come early for a hearty breakfast and stay late to peruse all the great wares on the vendor tables. Better yet,



rent a table to unclutter your shack!

And don't forget to track down Alex N8QL to purchase a raffle ticket for the snazzy Yaesu FTM-400XDR digital transceiver.

But wait, there's more! From 9:30 to 11:30am Chet Roberts K8KIZ will be offering tune-ups and iambic conversions at his Vibroplex Clinic. Bring

your keyer to be tweaked - just the way to turn up the heat on your CW transmissions.

As March marches on, don't forget to bring your HT to our March 21st General Meeting where we will have a Guest Speaker analyzing wayward harmonics. See page 8 for more details.

Think Spring!

73, Jane
K8JGR@ARRL.net

Don't Let Your Membership Expire

Your membership dues expired on December 31 unless you are a Life member, received a complimentary one-year membership for having passed

your Technician exam or have paid in advance for future years. To remain in good standing, your dues *must* be paid before or at the Winter Hamfest

on March 6, 2016. For your convenience, you can pay via PayPal; instructions are found at NOARS.net on the "Membership App" page.





**NOARS
Photographer,
Parliamentarian,
Net Control
Manager, and
“All-Around
Volunteer,”
Robert Tome
W8RET**

Member Spotlight - “Bob” W8RET

Name & call sign:

Robert (Bob) Tome,
W8RET, General license

How long have you been a ham and a mem- ber of NOARS?

12 years for both.

What/who got you in- terested in amateur radio?

Military service and Frank Reese W8FJR (SK). We both retired about the same time from American Airlines and went to NASA as tour guides. We studied for our tickets, then used the ham radio gear at the Visitor Center. Most equipment was Yaesu .

What modes of opera- tion do you like best?

VOIP, digital, Echo Link and repeaters. Not too good on CW yet.

Awards, activities, nets:

I have a few awards from NOARS and am a member of the ARRL. I am Net Control Manager for NOARS 2m & 10m nets and operate the call-in mo-

bile station at the Winter Hamfest and summer NOARSfest; help out at Field Day and am the official NOARS photographer.

Current projects?

I serve as the NOARS Parliamentarian, serve donuts at our General Meetings and am an all-around volunteer for the betterment of NOARS!

Favorite rig(s):

I like my Yaesu FT-2000D, anything Yaesu and the new digitals: FT-1, FT-2 and the FTM-400XDR.

What would you like to learn more about?

More about ham radio for obtaining the Extra Class license.

What line of work were/ are you in?

4-years USAF photo tech., 40-years for American Airlines Ground Service Support as Crew Chief.

As club photographer what kind of camera/ lens do you use?

The equipment I am using

right now is a Nikon D7000 with a 28-to-55mm lens - same as I use at NASA. I do have other equipment and lenses.

What is your back- ground in photography?

4-years as a USAF Photo Tech and while in the Vietnam Conflict I was a Documentation Photographer and worked in Aircraft Camera Recovery. Shortest job was as a NASA photographer – I was hired and by the time I returned home I was laid-off due to government cut backs! I also freelance at NASA’s special events, weddings, and for American Airlines at the Cleveland Airport,

What would you like to see in NOARSs?

More people stepping up to the plate, old and new members alike. Also we should Go-Pro video the special events and put them up on the NOARS.net website.

Win a Digital Transceiver



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

You may purchase tickets online by sending your "personal" payment through Paypal using "paypal@noars.net" Please remember to include your name, call, address, phone number, and email address in the comments section before submitting your payment through Paypal. We will send you an email with your ticket numbers.

Or, you can contact Alex N8QL at raffle@noars.net for more information or wish to make arrangements to purchase tickets using another method.

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 like NOARS has.

Enter to win!

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

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

No 00001

Name _____

Call _____

Address _____

Phone _____

Email _____

SAMPLE

NOARS FTM-400XDR Raffle

No 00001

February 15, 2016 Meeting Minutes

Minutes of the February 15, 2016 General Meeting

Submitted by Stephanie KD8TCZ on behalf of Secretary, Darlene Ohman KA8VTS

The meeting came to order at 7:00 pm, 26 Members and guests present.

Secretary's Report: President, Jane K8JGR called for a motion to suspend the reading of the January minutes as published in the February *NOARS Log*. The motion was made by Dave W8KFJ, seconded by Mark KD8WON and passed by vote of the members that the minutes be accepted as published.

Carl made mention that Secretary, Darlene Ohman KA8VTS asked for a temporary replacement as she battles a health issue. Stephanie Kisil KD8TCZ offered to take the minutes of the meeting.

Treasurer's Report: Treasurer, Tom Porter W8KYZ gave February's Treasurer's Report. A motion to approve the Report was made by Clark N8PZD and seconded by Mark KD8WON.

President's Report: A meeting of the Board was held Friday, February 5, 2016 to discuss the Winter Hamfest. Present were Officers: Jane Reed K8JGR - President, Dave Fisher KY8OSU – Vice President, and Tom Porter W8KYZ – Treasurer. Darlene Ohman KA8VTS – Secretary was “present” through a TeamViewer hookup. Also present were Alex Pasini N8QL, Carl Rimmer W8KRF and Tom Porter W8KYZ. Clark Beckman N8PZD was absent. Guest present was Bob Tome W8RET, NOARS Parliamentarian. General discussion of division of Winter Hamfest tasks ensued, no motions were called.

Standing Committee Reports:

Membership report: Carl W8KRF reported only 69 members have paid their dues so far for 2016 and issued a reminder that 2016 NOARS dues must be paid by or at the Winter Hamfest in order to remain a voting member.

Program: Alex N8QL reported that he has no one lined up for May through November Meetings. Jane K8JGR has a speaker potentially lined up for the March meeting. Carl W8KRF will present a program in April on Wires-X. Dave KY8OSU was going to call NASA this week for a later program presentation. Carl has not heard back from Chris Wilson NOCSW from YAESU about their possible presentation.

Website: Carl W8KRF unveiled a brand-new, responsive NOARS.net website on line, subject to final tweaking. The website will now scale for easy reading on computers, tablets and smart phones. The President suggested future merging of the NOARS Log into the website so as to eliminate redundancy in club information presented since 80% of content contained in the NOARS Log is also duplicated on the NOARS.net website. Carl noted that financial information as contained in the minutes and the membership roster will not be available for public view. A “Members Only” section will require a password by members to access that information.

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

Meeting Minutes - Continued

Nets: Bob W8RET said that the 10-meter net has normal activity, but 2-meter net check-ins have dropped off a bit. He encouraged more participation.

Repeaters: Clark N8PZD mentioned that he was glad to see repeater 146.700 being utilized by an Echo Link youth group on Saturday afternoons.

Carl W8KRF made a motion to spend an amount not exceeding \$150.00 for purchase of an HRI-200 WIRES-X box. It was seconded by Richard KD8MIS. Carl explained that Wires-X is gaining popularity and generates very active international use on his node, e.g. the America Link group. A member brought up that he sees more net check-ins through WIRES-X than Echo link. The motion to authorize purchase of the HRI-200 carried.

A motion was made by Clark N8PZD authorizing the club to spend an amount not to exceed \$175.00 for purchase of a marine, deep cycle, repeater back-up battery. It was seconded by Matt KD8VTX. During the discussion, Tom KE8CWF offered to get Carl W8KRF a discounted rate on its purchase. The motion carried.

Sunshine: In Darlene KA8VTS's absence, Tom W8KYZ reported that member, John Pearl K8RWR has died. Services, attended by several NOARS members, were held on February 13th. In lieu of flowers, a donation of \$50.00 to an animal shelter will be made at the request of family. A sympathy card was available for signing.

Winter Hamfest: Tom W8KYZ is contacting MFJ for raffle prizes, and if not donated, the club will instead spend \$75.00 on first place, \$50.00 on second and \$25.00 on third.

Old Business:

Alex Pasini N8QL has been selling 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. Tickets will be sold at the Winter Hamfest on March 6th. Some tickets may be sold at the Mansfield Hamfest on February 21st.

Clark N8PZD made a motion to purchase the FTM-400XDR for an amount not to exceed \$600.00, seconded by Alex N8QL. The motion passed.

New Business:

Tom W8KYZ was going to check with Darlene KA8VTS about whether she has reserved the parks for Field Day and for the Picnic in 2016.

Adjournment: President called for a motion to adjourn. The motion was made by Bob W8IMO, seconded by Bob W8IMO and passed by a vote of the members. The meeting was adjourned at 7:50 pm.

50-50 Raffle: Generated \$12.00 for the club and \$12.00 for the winner.

Program: Dave Kennett presented a program on *What is a FFT?*



Dave Kennett W8KFJ

Past Program: February 15th

NOARS member, **Dave Kennett W8KFJ**, of North Ridgeville presented in understandable terms, **What is a FFT?**

Dave gave us an introduction to the **Fast Fourier Transform**, which is a difficult mathematical analysis of a complex waveform being broken down into discrete frequency components. He explained the general concept in simple terms and referenced a very

cool website <http://betterexplained.com/articles/an-interactive-guide-to-the-fourier-transform/> which further explains in great detail that "The Fourier Transform takes a time-based pattern, measures every possible cycle, and returns the overall "cycle recipe" (the strength, offset, & rotation speed for every cycle that was found)." Then Dave projected on the screen the

amazing interactive graphic found in the Appendix to the article, found at <http://toxicdump.org/stuff/FourierToy.swf> where one can manipulate cycles added to cycles added to cycles to visually make any complex waveform animated.

Thank you, Dave, for a thought-provoking and entertaining program!

Roll Call: February Meeting



26 Members and Guests in Attendance:

AC8FD * K8JGR & Kevin
 KA8WLI * KB8MIS * KB8ZUN
 KD8TCZ * KD8VTX

KD8WON * KE8CWF & Lily
 KY8OSU * K8KIZ * N8PZD *
 N8QL * NC8X * W1AFC *
 W8IMO * W8JMO * W8KFJ *

W8KRF * W8KYZ * W8NNC
 W8RET * WB8WAA
 WA8VGC * WD8CCZ



Call Signs Heard on the NOARS Nets

**February 2016
 Tuesday & Thursday Nets**

AA8HI - K8AGW - K8IC -
 K8KIZ - K8ME - K8RWC -
 KC8FQV - KD2HCE -
 KD8NGE - KD8RNF -

KD8VIQ - KD8VTX -
 KD8WON - KD8YZ -
 KD8ZRL - KE8CWD -
 KE8CWF - KF8PM -
 KY8OSU - N8WS - NC8OS -
 NC8X - NQ8T - W1AFC -

W8BHJ - W8KRF - W8KYS -
 W8KYZ - W8RET - WA8ERA
 WB8UPA - WD8OSJ

In Memoriam



John Pearl K8RWR(SK)

We were saddened to receive the news that **John Pearl K8RWR** became a Silent Key on February 7th. According to Russ WB8UPA, John passed away one day after his 78th birthday. He was being treated in a rehab center across from Southwest General Hospital in Middleburg Hts. A party was held for him there with his family & Ham friends on Saturday, and he passed the next evening at 9:15 pm.

Russ fills us in on his memories of John: John lived in the "Old Brooklyn" section of Cleveland. He loved going to breakfast with the Hams every Wednesday morning. Originally, a group of hams would get together at McDonalds on Memphis Avenue in Cleveland on Monday mornings for breakfast which started the tradition.

John loved Ham radio and belonged to many clubs: NOARS, Parma Radio Club, & Woodchuck Amateur Radio Club to name a few.

He enjoyed getting on the air. He loved being Net Control on the affectionately called *Russ & Johnny*

Show, a nightly "rag chew" on the NOARS repeater. You should have seen the smile on John's face when someone at a club meeting or picnic would ask if he was the "John" from the *Russ & Johnny Show*.

The rag chew originally started when it was Jack WA8Q and John on the air 146.46 nightly along with other hams. After Jack had passed, 146.46 became silent. Russ then told John they had better start getting back on the air again. The *Russ & Johnny Show* came about in the summer of 2008. Bill N8WS joined them along with others. When Bill ended up moving out to New London a few years ago, he and John had trouble hearing each other, so they all moved to the NOARS Repeater, which gave them more check-ins with better reception.

John is survived by his daughter Cindy, son John, granddaughter Heather, two brothers & a sister. John's wife, Donna and his daughter Debra preceded him in death.

According to NOARS Past President, Clark N8PZD, "Johnny" and his wife lived close to Russ

while their kids were growing up.

Clark remembered John and Donna as friends who were loved by everyone as they roamed around to Amish eateries, NOARS Picnics and visits to W8RON's farm near Mosquito Lake after the Warren Hamfests.

Clark has memories of a picture of John sitting next to Chic W8QXF and Ray W8ADV at a NOARS function, "...giggling about who knows what!"

John was also a film aficionado - he had a studio to develop photographs from negatives in his basement.

John will be missed by his friends at NOARS, and we extend our heartfelt condolences to the Pearl family.

March 21st Program

Special guest and a Past President of NOARS, Ken Koyan K8TV, will present a Spectral Purity Clinic at our March 21st General Meeting.



Ken at a "BoatAnchors" get together—hams who have a special interest in AM and mostly vintage tube gear.

Bring your HTs or mobile units and Ken will analyze your frequency accuracy, deviation width, audio & CTCSS tone levels, power output, receiver sensitivity and spectral purity—harmonics out to one GHz or so.

Errant harmonics can raise havoc in an emergency situation where many radios are in use and could block other traffic on far-removed frequencies.

See how well your HT

performs. It will be a great program!

Ken has been a ham since 1969 and was an avid SWL since 1964 or so. He retired from Bendix in Elyria after 40 years, working in Engineering most of that time. He has built and tinkered with electronics and radio since becoming a ham, including building the first Medina County repeater back in the early 1970's and still maintains their systems.

Ken was president of NOARS sometime back in the 1970's and has helped repair the NOARS repeater system several times over the years.

Since retirement he has worked for WEOL,

WDLW, WOBL, WLKR, WCCR AM stations in the area, and also does work for WOBC (Oberlin College FM) and a couple of other low power FMs. Ken says that the multi-tower AM sites are a lot of fun and work to keep running properly. The broadcast side is really interesting to someone who is a Jack of All Trades, who likes to work with the transmitters, tuners, phasors, towers and make it all "Play". Ken has had the fun of putting up new towers, new FM arrays, replacing several broadcast transmitters and repairing all that can go wrong at a transmitter site.

March Hamfests & Contests & Events

03/20/2016
TMRA Hamfest and Computer Fair

Location: Perrysburg, OH

Sponsor: Toledo Mobile Radio Association

Website: <http://www.tmrahamradio.org>

Those Mysterious, Intriguing Amateur Microwave Bands

A presentation by Tony Emanuele, WA8RJF
Editor, VHF+ column, CQ Magazine

MARCH 7th at 7:30 pm
Parma Radio Club
Busch Community Room
7501 Ridge Road
Parma, Ohio 44129

National Parks
ON THE AIR

2016

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.

March Calendar Events

Happy March Birthday to the following members:

Don AF8B * Jeff K8JAD
 Tedd KB8NW
 Pamela KC0DSR
 John KE8CWD * Alan KF8PM
 David W1AFC * Dave W8DJG
 James WA8UGC

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!

March General Membership Meeting:

Held 7:00pm sharp at 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.

March Program:

Special Guest and former NOARS President, **Ken Koyan** will present a **Spectral Purity Clinic.**, see page eight for more information. Bring your HTs to test, bring your friends and bring your curiosity.

“It was one of those March days when the sun shines hot and the wind blows cold: when it is summer in the light, and winter in the shade.”
 Charles Dickens
Great Expectations

March 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		<i>1</i> 10M Net 8pm NCS: NC8X	<i>2</i> ARN 8pm BRTN 9:30p	<i>3</i> 2M Net 8pm NCS: W8RET	<i>4</i> ARN 7PM	<i>5</i>
<i>6</i> NOARS Winter Hamfest	<i>7</i>	<i>8</i> 10M Net 8pm NCS: NC8X	<i>9</i> ARN 8pm BRTN 9:30p	<i>10</i> 2M Net 8pm NCS:W8KYZ	<i>11</i> ARN 7PM	<i>12</i>
<i>13</i>	<i>14</i>	<i>15</i> 10M Net 8pm NCS: NC8X	<i>16</i> ARN 8pm BRTN 9:30p	<i>17</i> 2M Net 8pm NCS:KD8VTX	<i>18</i> ARN 7PM	<i>19</i>
<i>20</i> VE Testing ARC	<i>21</i> NOARS Meeting 7:00pm	<i>22</i> 10M Net 8pm NCS: NC8X	<i>23</i> ARN 8PM BRTN 9:30p	<i>24</i> 2M Net 8pm NCS: N8CX	<i>25</i> ARN 7PM	<i>26</i>
<i>27</i>	<i>28</i>	<i>29</i>	<i>30</i>	<i>31</i>		

2016 NOARS Winter Hamfest



2016 NOARS



Winter Hamfest & Electronics Show

March 6, 2016

@ VFW Post 1079

500 South Abbe Road, Elyria, OH 44035

Donation Only \$6.00

Including:

Pancake & Sausage Breakfast
(While they last, come early)



9 AM until 1 PM

Tables \$10/6 ft.

Vendor Setup @ 7 AM

HOURLY DOOR PRIZES

MAIN PRIZES AT NOON

Tables Reservations: Tom Porter, WSKYZ (440) 930-9115 -or-

Darlene Ohman, KASVTS (216) 398-8858

Call before 11 pm Local

Email: winterhamfest(at)noars(dot)net.

10 or more tables? Call for special pricing

Talk-in on 146.70 PL 110.9



Vibroplex Clinic by Chet Roberts K8KIZ

9:30-11:30AM

Bring your Vibroplex for a FREE tune-up.

Also offering conversions from semi-automatic to iambic
(for electronic keyers)



Note that the Winter Hamfest has been moved to March

NOARS is the ONLY Winter Hamfest to serve a FREE breakfast with a paid admission! How cool is that?

Mobile registration on 146.70 PL 110.9 grants you a chance to win a door prize.

All Ad Submissions must be sent to 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 if you need assistance.

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

For Sale

Winter Hamfest
Estate Sale
for
W8TNG(SK).

Four tables of computers, storage, monitors, processors, memory cables, networking equipment and more.



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 kd2hce@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



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

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