



NOARS Log



July 2018

K8KRG

Volume 54, Issue 7

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Prez Sez

Well, it's almost the 4th of July, when our country's long, costly, difficult, and painful battle for freedom began in 1776 in earnest. I believe this battle will never end because of those factions trying to take away or limit our rights and freedoms. This affects all of us in numerous ways, in particular as Amateur Radio Operators. The FCC steals frequencies/bands to sell to commercial interests for their use and profit. Local governments, home owner associations, and landlords try to limit where and what type and size of antennas and towers we can erect for communications. Little do they realize, when all or most normal methods go down, then they are glad for the help, but they quickly forget and soon continue their

efforts to limit us. There are a few friends that help preserve our rights. We must support them and groups that fight for our rights and preserve our ability to help the public in emergencies. We must support all those that try to help us, starting with the ARRL.

Now, a report on Field Day 2018. It was a long, dark, rainy day and night (ok not all day and there was a little sunshine) with struggles against the evil lords of computerland (who finally won), and some radio gremlins that prevented us from achieving our victory in ARRL Land... lol.

But, we had a great legion of radio operators, both NOARS and LCARA members, all who helped each other as needed, had good fellowship, and an enjoyable and

(Continued on page 2)

NOARSfest Saturday, July 21, 2018 see page 6

July Meeting

Monday July 16, 2018

The doors will open at 6:00 PM and the meeting will start at 6:30 PM. Coffee and donuts will be available. North Ridgeville Public Library, 35700 Bainbridge Rd., North Ridgeville, OH. All are welcome.

Nets

NOARS nets are Tuesday nights at 8 pm on 28.370 MHz, and Thursday nights at 8 pm. on 146.700 MHz. All licensed amateurs are welcome. Participation is encouraged and appreciated.

(Continued from page 1)

productive experience, in spite of weather and other things. There were story-telling, joking, kidding, and sharing all during Field Day. There were pizza in the evening, a great pot of chili all day, and a feast of a breakfast on Sunday prepared by Robin, KC8AWO (Eric, N8AUC's wife) with help. It was well worth coming to Field Day just for Sunday breakfast.

Field Day attendees (According to who signed in and a few I saw):

Al, N8CX; Dan, W8AJF; Tom, W8KYZ; Elaine, KC8FOS; Chet, K8KIZ; Tom, W1PDI; Harold,

K8HRD; Clark, N8PZD; Locko, K8MUF; Andy, K8ALG; Greg, KE8IXB; Dan, KB8LKU; Chris, KC8CID; Tom, N8FDY; Carl, W8KRF; Jim, NC8OS; John, KC8YBA; Dick, K8AB; Dave, KY8OSU; Bill, W8GET; Kevin, K8VUS; Ken, W8KH; Tom, W8WLI; Paul, KC5YSN; Robin, KC8AWO, Eric N8AUC; Todd Dunlap, *KC8EPS*FEMA; Jim, KD8OCW*Red Cross; Curtis Silus, Park Ranger;

73,

Dave, KY8OSU

NOARS President

Change in Check-In Time for VE Testing

The check-in time for amateur radio license exams at the Elyria Red Cross has changed to 12:50. This allows more

time for checking in before the start of the test. Please plan your arrival at the site accordingly.

Hams Volunteer for Special Olympics

Over 600 students and 400 volunteers from sixteen school districts in Lorain and Cuyahoga Counties participated in the 38th Annual Lorain County Special Olympics. The event was held Friday, May 11th at the Ely Stadium in Elyria.

2 meter simplex communications were provided from the Press Box to 7 races and competitions on the field. Duties included directing students to events, announcing winners, and providing health and welfare

announcements. The weather was cloudy with temperatures in the high 40s.

NOARS members who supported the five-hour event were Fred, N8AHS; Chet, KD8TJD; Dave, KY8OSU; and Tom, W8KYZ. Others included Barry, N8VTY (Coordinator); Neal, WD8NZR; Meghan, KE8HFA; and Dan, KD8JAN.

Thanks to all who volunteered for this Public Service Event.

It's Only Rock 'n Roll, But I Like It

Did you know the transistor helped give birth to Rock 'N Roll? Watch this video about the history of the transistor, sent by Chet, K8KIZ, and you will see how. As Chet puts it, "How's that for a comprehensive

documentary?"

<https://www.youtube.com/watch?v=U4XknGqr3Bo>

Thanks, Chet, for submitting this!

June 2018 NOARS Membership Meeting Attendance

Dan, W8AJF	Joe, W8GWD	Jim, KD8OCW	Gary, KD8VIQ
Al, N8CX	Harold, K8HRD	Tim, NC8OS	Dave, KD8VML
Barb, guest	Bob, W8IMO	Dave, KY8OSU	Bill, K2WJS
Tom, N8FDY	Dave, W8KFJ	Tom, W1PDI	Mark, K8WON
Elaine, KC8FOS	Carl, W8KRF	Alan, KF8PM	Tim, NC8X
Russ, KE8GNX	Tom, W8KYZ	Clark, N8PZD	Paul, KC5YSN
Ted, W8GUH	Bob, W8NNC	Bob, W8RET	

July Birthdays - Happy birthday!

David O'Connor II , KD8MXE

Robert Lipton , W8OOT

Harold Drake, K8HRD



If your birthday doesn't appear here it's a good chance that it's not in our database. Please contact Carl, W8KRF so we can wish you a Happy Birthday!

Heard on the Nets

W8RET	WA8ERA	W8KYS	N8WS
W8KYZ	K8AGV	K8ALG	K8ZMM
NC8X	KD8VIQ	KD8NGE	WB8UPA
K8WON	KC8FOS	K8KBZ	K8VTX
NQ8T	N8FDY	KD8KWO	N3HGX
KD8VTX	WD8CSP	N8UUC	N3RSQ
K8AGW	W1PDI	KE8IXB	KE4WLU
KY8OSU	K8KGX	KD8BWG	K4TXI
W8KRF	K2WJS	W8DEJ	
W8WLI	W8GWD	W8HF	
N8WS	W8OOT	KF8PM	
WB8UPA	KE8GKO	KE8IOB	



Thanks to June Net Controls

Bob, W8RET

Tim, NC8X

Tom, W8KYZ

Elaine, KC8FOS

Upcoming Social Events

July

NOARS July Monthly Meal, July 3

Noon at Golden Corral on West River Road in Elyria. Come together for good food and good company. We had a great time at the first of these monthly meals in June and are looking forward to another great experience. Members, family, and friends are welcome. The more, the merrier!

New Lorain County Sheriff's Office Communications Center Tour

A new Communication's Center is under construction, with completion expected sometime in July. An open house is hopefully planned for the community in mid to late July. The date for the tour will be announced to members via email social media, and the nets. Stay tuned!

August

DX Engineering Open Box Sale followed by a tour of K3LR Saturday, August 11.

Meet at DX Engineering in Tallmadge at 9 AM for the sale. Leave there in time to arrive at noon at K3LR, a massive, multi-antenna station, in West Middlesex, PA. Tour the station for an hour or so. We need a minimum of 5 people for the station tour, and no more than 20. Please mark you calendar for this event. You won't want to miss it! Information about K3LR, including fly by videos, can be found at <http://www.k3lr.com>

NOARS Annual Picnic Monday, August 20.

Each year, in August, we replace our regular membership business meeting with a picnic at Duck Pond on Nickel-Plate Diagonal Road in Carlisle Township north of LaGrange. NOARS provides the hamburgers, hot dogs, condiments, and beverages. We ask that those members who attend bring a covered dish or dessert to share. We always have a great time socializing with members and their families and friends while enjoying some fabulous food. Everyone is welcome to join us.

Newsletter Submissions

Email submissions for the Log to noarslog@noars.net. The deadline is seven days before the first of the month.

That gives us time to create and get the Log uploaded to the Website.

Ad Submission Guidelines

Electronic ads may be emailed to noarslog@noars.net. Printed ads may be sent to NOARS Log, 161 Herrmann Drive, Avon Lake, OH. 44012 The deadline for submissions is seven days before the first day 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. If your items sell, please notify the Log editors at noarslog@noars.net so the ad can be removed. All ads will be removed (unless updated) after four months. NOARS reserves the right to refuse ads.

July 2018

Sun

Mon

Tue

Wed

Thu

Fri

Sat

1	2	3 NOARS Monthly Meal 12 Noon 10M Net 8 PM	4 BRTN 9:30 PM	5 2M Net 8 PM	6	7
8	9	10 10M Net 8 PM	11 BRTN 9:30 PM	12 2M Net 8 PM	13	14
15 VE Testing 12:50 PM	16 NOARS Meeting 6:30 PM	17 10M Net 8 PM	18 BRTN 9:30 PM	19 2M Net 8 PM	20 LCARA Meeting 7 PM	21 NOARSfest 8 AM — 12 PM
22	23	24 10M Net 8 PM	25 BRTN 9:30 PM	26 2M Net 8 PM	27	28
29	30	31 10M Net 8 PM				

NOARSfest 2018

Saturday, July 21, 2018

8 AM to noon.

Admission \$7.

The Spitzer Conference Center

Lorain County Community College

1005 North Abbe Road, Elyria, OH

For a table reservation, contact Tom Porter, W8KYZ at (440) 320-5523 before 10 PM.

Or email noarsfest@noars.net.

Vendors set up at 6 AM.

Great Lakes Division Hamfests July 2018

07/08/2018 | 20/9 ARC Hamfest, Electronics & Computer Show

Location: Austintown, OH

Type: ARRL Hamfest

Sponsor: 20/9 Amateur Radio Club

Website: <http://20over9.org>

07/21/2018 | GARS Germantown Hamfest

Location: Germantown, OH

Type: ARRL Hamfest

Sponsor: Germantown Amateur Radio Society (GARS)

Website: <http://GARSohio.org>

07/21/2018 | Gladwin Area ARC Hamfest

Location: Gladwin, MI

Type: ARRL Hamfest

Sponsor: Gladwin Area Amateur Radio Club

07/21/2018 | GMARC Trunk Swap

Location: Shelby Township, MI

Type: ARRL Hamfest

Sponsor: General Motors Amateur Radio Club

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

07/21/2018 | NOARSFEST

Location: Elyria, OH

Type: ARRL Hamfest

Sponsor: Northern Ohio Amateur Radio Society

Website: <http://noars.net>

07/22/2018 | Van Wert Hamfest

Location: Van Wert, OH

Type: ARRL Hamfest

Sponsor: Van Wert Amateur Radio Club

Website: <http://w8fy.org>

07/28/2018 | Big Sandy ARC Hamfest

Location: Louisa, KY

Type: ARRL Hamfest

Sponsor: Big Sandy Amateur Radio Club

Website: <http://bsarc.org/>

07/28/2018 | Central Michigan ARC Hamfest

Location: Lansing, MI

Type: ARRL Hamfest

Sponsor: Central Michigan Amateur Radio Club

Website: <http://www.centralmiarc.com/outdoorhamfest.php>

07/29/2018 | Portage Hamfair '18

Location: Ravenna, OH

Type: ARRL Hamfest

Sponsor: Portage Amateur Radio Club

Website: <http://hamfair.com>

Tech Savvy

By Joe Cebula, W8GWD

ANTENNA BASICS

Query No. 5

Q. Is employing a tuned feedline worthwhile?

A. Permit me to relate an actual incident. I constructed a 10 meter vertical antenna to participate in the NOARS 10 Meter Net. The antenna consisted of adjustable aluminum tubing and had a tuning unit located in the base. The antenna was tuned to resonance with an antenna analyzer that used a three-foot length of coax to connect to the antenna. Tuning the antenna went smoothly and I felt confident that I would receive a S9 report in the Elyria area, but received a dismal S7. Since impedance is reflected down a feedline at halfwave intervals, I constructed such a feedline that was connected to the antenna analyzer and retuned the antenna. A signal report from the station that originally gave a S7, gave a S9. A gain of two S units is significant because the gain of one S unit is 6db or a gain of 4 (mathematically 3.981); for two S units, the gain is 12db or 16 times.

The signal was transmitted on an untuned feedline that was later transformed into a tuned feedline by adding 10.896 feet of coax to the existing feedline in the shack. A signal report of 10db over S9 was received using the tuned feedline from a station other than the original reporting station, which became a Silent Key. This strong signal report occurred because this station was closer to my QTH than the original reporting station; I compensated by using a 10db over S9 report.

A 3db gain is 1/2 S unit and a gain of 2, which is added to the original signal report of two S units. Therefore, one S unit + one S unit + 1/2 S unit = 6db + 6db + 3db = 15db, or a gain of $4 \times 4 \times 2 = 32$, a significant value that was achieved by employing the tuned 1/2 wavelength principle. If the antenna impedance is 33 to 75 ohms, the SWR will be 1:1 to 1.5:1. The maximum power loss will be 4% and can be connected directly without an antenna tuner, which should be used if the impedance is less than or greater than the values given.

In another incident during one of my antenna projects of yesteryear, I homebrewed a vertical and horizontal three-band trap antenna for 10, 15, and 20 meters. The SWR on 15 meters was around 1.5:1 for both antennas, while the SWR on 10 and 20 meters was outrageous. Several antenna tuning circuits were attempted, but none performed to my satisfaction and the project was dropped. Years later, when I measured the feedline length, I discovered the seemingly random length feedline was four half-wavelengths long on 15 meters. What are the odds of that happening? The tuned feedline accounted for the low SWR on 15 meters because antenna impedance is reflected down a feedline in halfwave increments, thus providing a simple resistive load to the transmitter, while an untuned feedline provides a complex reactive load and a high SWR. A halfwave feedline can be calculated by using the expression:

$$L = \frac{492 \times VF}{F}$$

where L = Length (feet)

VF = Velocity Factor of the coax

F = Frequency (MHz)

If the calculated length is insufficient to connect to the transmitter, multiply the length by a whole number such as 2, 3, 4, etc. to obtain the required length. A separate tuned feedline is not required for each band. An existing feedline can be easily modified inside the shack to a tuned version on other frequencies. This will be explained in an upcoming column. Stay tuned.

73

Joe

W8GWD

June Program Highlights

Carl, W8KRF, presented information on Yaesu System Fusion. A good place to get started learning this digital mode is at the Yaesu website, at <https://systemfusion.yaesu.com/what-is-system-fusion>. Carl

demonstrated some of the attributes of System Fusion with help from audience members who had brought Yaesu HTs that can operate C4FM, to the meeting.



New NOARS Brochures

We have new professionally produced NOARS brochures! Tom Miller, W1PDI, offered professional expertise and guidance to the NOARS Public Relations Committee in the development of an up-to-date, informative NOARS brochure. A graphic artist at the company for which Tom works created the brochure

using the information the committee provided. At the June Membership Meeting, Tom announced he received 200 copies of the printed brochures, printed on glossy paper. They will be available at NOARSfest. Thank you, Tom! The brochure is provided at the end of the newsletter.

Special Guests on June 19 Ten Meter Net

The North Penn Amateur Radio Club has a 10-meter net Tuesdays at 8:15 PM on the same frequency as NOARS. Due to beneficial propagation, there was some overlap and we could hear each other. The NOARS net had

three DX check-ins that evening: John, N3HGX from Quakertown, PA; Jesse, N3RSG from Harleysville, PA; Eric, KE4WLU from Spring Grove, VA. Propagation was certainly to our benefit that evening!

HOARS Field Day 2018



June 18, 2018 Meeting Minutes

Submitted by Elaine Wilkinson, KC8FOS

The meeting was called to order at 6:30 PM by President Dave, KY8OSU. Twenty-seven members and guests were in attendance.

The Pledge of Allegiance was recited, followed by roll call by call sign.

Dave, KD8VML, made a motion to accept the minutes of the April 2018 meeting, as published in the newsletter. Dan, W8AJF, seconded the motion. The motion passed.

Treasurer's Report - As Treasurer Tom Porter, W8KYZ, was not present, Bill, K2WJS, made a motion to suspend the Treasurer's Report. Al, N8CX, seconded the motion. The motion passed.

President's Report - Dave reported there had been no Board Meeting this month, so had nothing to report.

Parliamentary Committee - Bob, W8RET had nothing to report.

Club Property - Tom Miller, W1PDI, had no report. He asked if there is a list of club property. Consensus was, there is no list. Tom, W1PDI, suggested people possessing club property bring a list of what they have to the next meeting.

Program - Carl, W8KRF will present today's program.

Repeaters - Carl, W8KRF reported he continues to work on the repeaters and is having trouble with Echolink.

Website - No report.

Membership - No report

Treasurer's Report - Upon his arrival, Tom, W8KYZ, gave the treasurer's report. A motion to approve the report was made by Carl, W8KRF, seconded by Al, N8CX. The report was approved as read.

Social Committee - Committee Chair Elaine, KC8FOS, reported planning continues for the Lorain County Sheriff's Department Communications Center tour, NOARS annual picnic, the tour of K3LR, and the Holiday Party. She also reported on the success of the first NOARS lunch, held June 5. The next one will be

Tuesday, July 3 at Golden Corral in Elyria.

NOARSfest - Generally, things are good to go. Help is needed to oversee the tailgate flea market, which will be in the parking area. There is no one scheduled for mobile check in, yet. Harold, K8HRD, will be unable to do the 50/50 drawing. Someone else will need to do it. Let Carl, W8KRF know if you want to rent a table.

Sunshine - Tom, W8KYZ, had nothing to report.

Nets - Bob, W8RET, reported there have been fewer participants on the nets, perhaps due to good weather. People may be out and about, doing other things.

VE - Tom, W8KYZ, reported on testing May 17. A father/son team took the Technicians Exam. Both passed.

Newsletter - NOARSLog co-editor Elaine, KC8FOS, reminded club members to send submissions for the newsletter seven days before the end of the month. Letters to the Editor and anything else you want to say in the Log would be accepted and appreciated.

Public Relations Committee - No report.

Old Business - No old business.

New Business - Tom, W1PDI, reported 200 brochures will be printed this week. He is donating the cost to the club. Lead time to print brochures is no more than a week. The brochures will be available to distribute at NOARSfest, July 21.

Clark, N8PZD, asked for volunteers at the NOARSfest flea market. Al, N8CX will be at NOARSfest early and will bring an HT for mobile check-ins.

Field Day - Al, N8CX reported people will start arriving around 8:00 AM on Saturday. All is ready to go. Club members received information about Field Day via email. Help is needed on 40 M phone, and more, through the night.

A motion was made to adjourn the meeting by Bill, W2WJS, seconded by Al, N8CX. The motion passed. The meeting was adjourned at 7:02 PM.

The DX Engineering Retail Showroom

More products on the shelves—get hands-on with the newest radio gear!



Plus:

Friendly service

Expert tech advice from active Hams

Open-box deals

Free product brochures

Easy return processing

In-person customer support

9 am to 5 pm, Monday-Saturday

The DX Engineering Retail Showroom

Inside the Summit Racing Retail Super Store
1200 Southeast Ave., Tallmadge, Ohio

Open from 9 am to 9 pm, seven days a week



NEW Listing: Tower for Sale

Rohn 25 tower. Three 10-foot sections, one 8-foot top section, and thrust bearing. Gently used. \$350.00

Cushcraft R-7000 vertical 10 – 40 meters antenna. \$250.00

Cash and must pick up. Contact: William, WD8OSJ, wd8osj@wd8osj.com, 440-522-4622 10 am – 5 pm

For Sale from the Estate of Rich, K8RWC, SK

- Mosley AM-14-2. 14 elements 2 meter beam antenna. New. \$250.00.
- Yaesu speaker. Best offer.
- Yaesu FV-401. External VFO. Best offer.
- Yaesu FTV-650. 6 meter transceiver. Best offer.
- Yaesu FL-DX 2000 linear amplifier. 110/220V. \$400.00.
- Heathkit HW-22 40 meter transceiver. Includes power supply and manual. \$200.00.
- Tubes: 8417-P; 1K3A1J3 (Sylvania); IV2 (Sylvania); OB2
- Contact William Cervelli, KC8Vfy, at 419.706.3869.

For Sale by Bill, KE8DIF

- MFJ 10 Meter SSB Tranceiver (MFJ 9410) with power supply and MFJ Portable Tuner (MFJ – 971). Like New. Both \$200

Contact Bill at 216-470-2774 or bill.eyman@gmail.com

Drake 4 twins for sale by Sandy Whitney, W8KYS

Drake R4C and Drake T4XC pair for sale by Sandy, W8KYS. Very clean with money back guarantee, \$600. Call Sandy at 440-647-2255.



For Sale by Ted Neuhaus, W8GUH

Icom M5 marine radio handheld transceiver with case and charger. Excellent condition. Needs battery. \$50.00.

Contact Ted at 440-787-7225, or email him at xrayted10@aol.com

For Sale by Tom, W8KYZ, 440.930.9115

- Heil HC-5 headphones with mic. Use with or without hookup for TS-480. \$30.00
- Yaesu YSK-7800 transceiver separation kit. New \$25.00
- Tempo HM-5 mic. New. \$1.00
- Larson mobile coil (NLA-220). New. \$5.00
- Larson mobile coil (LM-150) \$3.00
- New Cabelas multitool with nylon sheath. \$5.00
- Regency HR-2MS, with crystals, mobile bracket, mic, and manual. \$25.00

For Sale by Bob, W8RET, 440.365.6829

- Icom 7000 100W HF/6M/VHF/UHF. Original box/manual, mobile mounting bracket (MB-62), starting at \$850.00 OBO
- LDG AT-7000 Tuner for 7000, starting at \$150.00 OBO
- Icom CT-17 convertor for 7000, starting at \$35.00 OBO
- LDG Antenna Tuner Z-11 PRO II . 160-6M. 125 W. Original box/Manual, starting at \$150.00 OBO
- Yaesu ATAS-120, Antenna system/Mobile/Portable/Balcony use. 7/14/18/21 MHZ, starting at \$200.00 OBO
- Icom IC-2820H, 2/440 D-STAR with Icom UT-123 Digital GPS unit. Original box/manual, starting at \$400.00 OBO

Free Roof Tower, 2m Antenna, and Hardline

From Tim Hitesman - I haven't been active for more than a decade but am still licensed (NR8T). I will be moving in just a few weeks and must remove a roof tower and feedline before the sale of our home is final but my wife (N8INI) refuses to allow me on the roof. I'm 73.

I would love to donate the roof tower, 2m antenna and hardline (yes - hardline) in return for its removal and patching the roof (I have spare shingles). Would you be so kind as to ask your members to spread the word and contact me if interested? My contact info is below.

Glen Martin 8 ft roof tower; Ranger 2m antenna; about 70 ft of 3/4" solid copper jacket commercial hardline.

Contact info

Tim Hitesman

tim.hitesman@gmail.com

356 Bradley Road

Bay Village OH 44140

216-570-6019

Ted Neuhaus, W8GUH, has Antique Radios Free to Good Home

- HealthKit 2M FM transceiver with manual.
- Yeasu FT 23R 2M handheld transceiver with charger and case.
- Motorola six-crystals-controlled 2M mobile FM transceiver, with manual and mounting bracket.
- Drake dynamic desk microphone.

All are cosmetically good.

Contact Ted at 440.787.7225, or email him at xrayted10@aol.com if you are interested



NOARS Information

Members of the Board of Directors

President: Dave, KY8OSU

Vice President: Clark, N8PZD

Secretary: Thomas, N8CWF

Treasurer: Tom, W8KYZ

Others: Carl, W8KRF; Tim, NC8X; Tom, N8FDY

Others

Net Manager: Bob, W8RET

Club Trustee for K8KRG: Al, N8CX

Repeater: Carl, W8KRF, and Tim, NC8X

NOARS Log Editors: Tom, N8FDY, and Elaine, KC8FOS

Membership

Membership is open to anyone interested in radio communication. Dues are: Full \$15, Associate (non-licensed) \$7, Family members of a full member are \$4 each. Membership forms are available at www.noars.net. Make checks payable to NOARS and mail them to: NOARS Membership Committee, 161 Herrmann Drive, Avon Lake, OH 44012.

Meetings

Meetings are held at 6:30 p.m. on the third Monday of every month at the North Ridgeville Branch of the Lorain County Public Library, 35700 Bainbridge Rd, North Ridgeville, OH. The doors open at 6:00 PM for a social time with coffee and donuts.

Meetings are open to the public and all are welcome.

Nets

NOARS nets are Tuesday nights at 8 pm on 28.370 MHz, and Thursday nights at 8 pm. on 146.700 MHz. All licensed amateurs are welcome.

Committees

Parliamentary Committee: Bob, W8RET.

Repeater: Carl, W8KRF

Field Day: Al, N8CX

Hamfest Dee, KA8VTS.

Sunshine Tom, W8KYZ (temp)

Membership Carl, W8KRF

Club Property Committee: Tom, W1PDI

Program Committee: Open

Social Committee: Elaine, KC8FOS, Dave, KY8OSU, Thomas, N8CWF

Public Relations Committee:

Dave, KY8OSU, Elaine, KC8FOS, Thomas, N8CWF



VE Testing

VE Testing is offered the third Sunday of every month.

2929 West River Road
N. Elyria OH 44035,
from 12:50-3 PM.

Burning River Traffic Net

The Burning River Traffic Net uses the NOARS repeater (146.700 MHz) Wednesdays at 21:30.

NOARS MISSION

- To promote the social benefits and technical aspects of radio communications
- To assist and cooperate with local, state and federal agencies in time of emergencies
- To foster fellowship among radio amateurs, potential radio amateurs and others interested in radio communications



NOARS NET SCHEDULE

NOARS Club Station Call Sign: K8KRG

NOARS Nets:

10 Meter Tuesday 8PM 28.370 MHz

2 Meter Thursday 8 PM 146.700 MHz



NOARS REPEATERS

145.150 -0.6 MHz Offset PL 110.9

146.700 -0.6 MHz Offset PL 110.9

444.800 +5.0 MHz Offset PL 131.8

Northern Ohio Amateur Radio Society
161 Herrmann Dr
Avon Lake, OH 44012

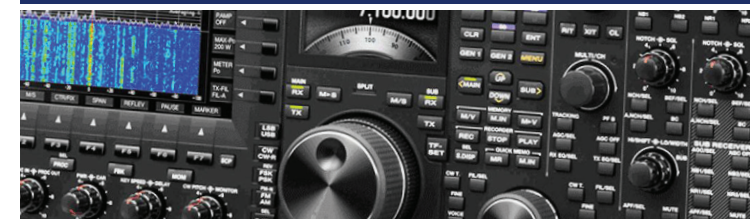
www.NOARS.net
e-mail: NOARS@noars.net
[Facebook.com/NOARS.K8KRG](https://www.facebook.com/NOARS.K8KRG)



NOARS

The Northern Ohio Amateur Radio Society Welcomes You!

About NOARS
What is Ham Radio?
Activities
Membership
Getting Licensed
NOARS Net Schedule
NOARS Repeaters
NOARS Mission





What is NOARS?

NOARS is a group of ham radio operators with varying interests in amateur radio.

NOARS, formed in 1958, is a member of the American Radio Relay League (ARRL), the national organization that promotes Amateur Radio Service.

NOARS is one of the oldest ham radio clubs in the Great Lakes region

Our members are from nearby communities who enjoy ham radio activities and friendship based on common interests in communicating by radio, both locally, nationally and Around the World!



www.NOARS.net

What is HAM RADIO?

Ham radio offers diverse activities such as:

- Learning about electronics
- Building radios and antennas
- Explore multiple modes of communications: satellite, earth-to-moon and digital
- Develop connections with others hams around the world
- Most of, all having fun and making friends using a different form of communication

ACTIVITIES & COMMUNITY INTERESTS



NOARS offers a chance to get involved in amateur radio and community activities including:

• NOARS

Hamfest-Offers exhibits, forums, and fleamarkets for Amateur Radio operators and open to the public

• FIELD DAY-

An annual international contest encouraging amateur radio operators to hone their skills in the rapid deployment of radio communications in the event of an emergency.

BENEFITS OF MEMBERSHIP

Becoming a member of NOARS is easy and you don't even have to be a licensed amateur to join.

- Simply visit our website or come to a meeting for an application
- Amateur radio license exams administered by volunteer examiners
- Various special activities and events as mentioned above
- Monthly NOARS newsletter
- Licensed amateurs have access to the club's 2M and 70 cm repeaters
- Weekly 2 and 10-meter nets
- An opportunity to share your experience and knowledge to educate members and others wanting to enter the hobby

INTERESTED IN GETTING YOUR AMATEUR RADIO LICENSE?

NOARS mentors and supports those wanting to become amateur radio operators through informal education. Local Volunteer Examiners (VE's) administer exam testing once a month. Pass the exam, receive your ham radio call sign and you will be On the Air! Concerned about learning Morse Code? No problem! You no longer need to learn Morse code to be a licensed ham operator. The time is right for you or someone you know to get an amateur radio license, or upgrade to a higher class operator's license!

ARRL

The American Radio Relay League (ARRL), founded in 1914, is the national association for Amateur Radio in the US. The League supports the awareness and growth of Amateur Radio worldwide, encourages radio experimentation and, through its members, advances radio technology, education and strives for every member to get involved, get active, and get on the air.

