



NOARS Log



April 2022

K8KRG

Volume 58, Issue 4

Table of Contents

- President's Message 1
- VP's Message 2
- Social Event News 2
- Contest Corner 3
- Birthdays, Meeting Attendance, Heard on the Nets 4
- Calendar of Events 5
- NOARS Winterfest 6
- NOARS Monthly Lunch 7
- Tom, W8PD Award Donor to New England QSO Party 9
- The Truth About Electronics 10
- NOARS Membership Meeting Minutes 11
- For Sale 12
- NOARS Information 16
- Lucas County Amateur Radio Emergency Service Trunk Sale and Swap Meet Flyer 17



Prez Sez

The Winter Hamfest was a very successful event with record-breaking attendance. I want to acknowledge and thank the members who helped make it a success. Elaine KC8FOS and Bill K2WJS at the front tables; Dan W8AJF and Chuck K8CVM as MCs and door prize presenters; Earl W8LYY as talk-in station; Ann KA8ZEP for solely handling the 50/50 table and lastly, all those who brought items for the self-serve tables, which was very successful and added another record-breaking amount to our coffers.

It is time to prepare for the other significant NOARS events, which will be here before we know it. Field Day during the weekend of June 25-26. Al N8CX is already reviewing the plans even as he is hospitalized at the VA Medical Center fighting a blood infection. That is called dedication.

Shortly after Field Day is our biggest event, the summer NOARSfest, on July 16, 2022. We will need more help for this hamfest since we have an outdoor flea market. Please consider volunteering to help.

I am excited to see the warmer weather approaching, although not for a few more weeks. As a few of us have plans for some antenna repairs or replacement this spring, I have my dipole mast to replace and some repairs on a few other antennas. My younger neighbor noticed my dilemma and offered to assist if I needed it, which I will certainly accept.

That is all I have for this month. Until next month,

73,

Carl W8KRF

The Membership Meeting will be Monday, April 18 at 7:00 PM.

Baluns: What are They? Do I Need One?

Presented by Chet, K8KIZ

NOARS will send Zoom meeting information via email.

Nets

NOARS nets are Tuesday nights at 8 PM on 28.370 MHz, Wednesday nights at 7 PM on 146.700 MHz, PL 110.9, and Thursday nights at 8 PM on 146.700 MHz, PL 110.9. All licensed amateurs are welcome. Participation is encouraged and appreciated.



Vice President's Message April 2022

While reviewing a list of amateur radio clubs on the ARRL's website, I noticed the services listed on some included mentoring. Not elmering. Mentoring. Shortly after that I received an email advising me two brand new hams requested a mentor. Twice in one week I was exposed to the use of mentor. Over the few years I've been active in NOARS I've heard considerable talk about elmers, elmering, and how to elmer new hams. I may have missed it, but I've never heard mentoring used. Use of the word elmer came into being through a 1971 QST

article in which the author expressed gratitude for his mentor, whose name was Elmer and said everyone needed an Elmer. We all know the term became part of the amateur radio lexicon. I've often thought use of the word elmer, from simpler times, to be exclusive and kept the hobby apart from the general population. Amateur radio has experienced change since its inception in the early 1900s, and movement to the use of mentor is one of the changes. What other changes can you think of? I will be visiting some of them in future messages.

Buying a First Radio and Antenna

Chris, KE8MMY, suggested this video, from "Ria's Shack," about mistakes to avoid and valuable information for the new amateur concerning buying a first radio and antenna. Chris says what she has to say about antennas

first and radio choices are spot on!

<https://youtu.be/GoIMOdWvqyo>

April Social Events

NOARS April Lunch

The April Lunch will be **Tuesday, April 5** at Golden Corral in Elyria at noon.

Fox Hunt

First Fox Hunt of the season, **Saturday April 30 at 11:00 AM**. Bradley Woods in Westlake.



Welcome to Four New Members

Linda Fox, KM4GSF of Lorain; Richard Cortino, KE8TJM of Avon; Sandra Valois, KE8UCL of Avon;

Betsy Hopkins Nestor, KE8UCM. We are glad you are with us!

Changes in Zoom Elmer

Beginning in April, in keeping with the more modern nature of amateur radio, Zoom Elmer will be known as Zoom Mentor. The term elmer is from an earlier era; however, in keeping with the movement forward, the sessions for new hams will be called Zoom Mentor. Also starting in April, the sessions will be once a month on the

third Saturday at 11:00 A.M. If you know new hams, please let them know of Zoom Mentor. They can receive a Zoom invitation by contacting Chuck, K8CVM, k8cvm@mehoz.net or Elaine, KC8FOS at ewilkinsn1951@gmail.com.

Contest Corner



April Contests

| Date | Contest Name | Bands | Mode | Time UTC | Website |
|-------|------------------------|---------|-------------|-----------|---|
| 2-3 | Louisiana QSO Party | 1.8-144 | CW, Ph, Dig | 1400-0200 | http://www.laqp.org/ |
| 2-3 | FL State QSO Party | 3.5-28 | CW, Ph, Dig | 1400-2200 | https://flspota.org/rules |
| 9-10 | ND QSO Party | 1.8-144 | CW, Ph, Dig | 1800-1800 | https://ndarrlsection.com/ |
| 10-10 | ARRL Rookie Roundup | 3.5-28 | Ph | 1800-2359 | www.arrl.org/rookie-roundup |
| 15-16 | Holyland DX Contest | 18-28 | CW, Ph, Dig | 2100-2100 | https://iarc.org/iarc/#HolylandContest |
| 16-17 | Quebec QSO Party | 1.8-144 | CW, Ph | 1200-2000 | https://wp1.quebecqsoparty.org/ |
| 23-24 | 10-10 ISP Contest | 28 | Dig | 0001-2359 | https://www.10-10.org/qso-party-rules-update |
| 24-24 | N. American SSB Sprint | 3.8-14 | Ph | 0000-0400 | https://ssbsprint.com/rules |

Find many more contests in each month's QST Magazine, CQ Magazine, and at WA7BNM Contest Calendar, <https://www.contestcalendar.com>.

What to Think About When Considering an HF Antenna

by Bill, W8PKT

- How much will it cost me?
- Could it fit in the house or outside the house? Could I take it out to a park? I might want to try Parks on the Air (POTA). Or is it a permanent setup?
- How much power can the antenna handle? Will it allow me to take advantage of the power of the radio for the mode I want to use - CW, SSB, Digital.
- Does it need a tuner?
- How do I know it's going to work properly once I connect it to the radio?
- How do I know it's tuned and won't somehow damage my radio?
- How do I make sure I don't damage the antenna?
- Will I need a meter to make sure I'm at the right SWR?
- What kind of coax should I use between the radio and antenna? Inside or outside? Buried in the ground?
- How do I install it safely? Inside or outside?
- How do I handle grounding?
- Will the antenna be near power lines?
- How much RF exposure will there be for me and others?

April Birthdays

Bryan Waltz, W8JMI
Dan Stauffer, K8KGX
Earl Jolley, W8LYY
Zachary Molseed, KE8MVR
Tom Miller, W1PD
Dave Semanik, K8WRS
Allen Higgins, KE8KZO

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!



March 21, 2022 Membership Meeting Attendance

| | | | |
|----------------|-------------|----------------|--------------|
| Dave, W1AFC | Joe, KE8KAT | Jack, N8NDL | Tom, K1TRB |
| Dan, W8AJF | Chet, K8KIZ | Bob, W8NNC | Bill, K2WJS |
| Tom, N8FDY | Carl, W8KRF | Dennis, KE8OQA | Ann, KA8ZEP |
| Elaine, KC8FOS | Tom, W8KYZ | Dave, KY8OSU | Patty Lupica |
| Chris, KD2HCE | John, W8LYO | Tom, W1PD | |

Heard on the Nets in March

| | | | |
|----------------|---------------|----------------|---------------|
| Dan, K8AGW | Chris, KD2HCE | Dennis, KE8OQA | Betsy, KE8UCM |
| Fred, N8AHS | Carl, W8KRF | Dan, KE8OWK | Joe, KD9UEG |
| Dan, W8AJF | Tom, W8KYZ | Dave, WV8P | Gary, N8VFW |
| Arpad, K8ARP | Chuck, KB8LJ | Alan, KF8PM | Bill, K2WJS |
| Steve, KE8BJD | John, W8LYO | Clark, N8PZD | Tom, W8WLI |
| Rich, WA8CAC | Earl, W8LYY | Jeany, JC3QND | Bill, N8WS |
| Chuck, K8CVM | John, KE8MAI | Chad, KE8QWF | Ann, KA8ZEP |
| Joe, KE8CWD | Steve, K8NIA | Jim, KE8SAF | Jerry, KA8ZER |
| Tom, N8FDY | Pete, KE8NQK | Nick, KD8SLG | |
| Elaine, KC8FOS | Bill, N4NZZ | Dan, KE8TJM | |
| Mark, KC8FQV | Ron, N8OD | Sandi, KE8UCL | |

April, 2022

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

| | | | | | | |
|-----------|--|---|--|---|-----------|--|
| | | | | | 1 | 2 |
| 3 | 4 | 5 NOARS Lunch at Noon 10M Net 8 PM - NCS Elaine, KC8FOS | 6 Food Group 7PM 2M NCS Jeany, KC3QND | 7 2M Net 8 PM NCS Jeany, KC3QND | 8 | 9 |
| 10 | 11 | 12 10M Net 8 PM - NCS Tom, W8KYZ | 13 Food Group 7PM 2M NCS Elaine, KC8FOS | 14 2M Net 8 PM NCS Tom, W8KYZ | 15 | 16 |
| 17 | 18 NOARS Meeting 7:00 PM | 19 10M Net 8 PM - NCS John, W8LYO | 20 Food Group 7PM 2M NCS Jeany, KC3QND | 21 2M Net 8 PM NCS Carl, W8KRF | 22 | 23 |
| 24 | 25 | 26 10M Net 8 PM - NCS Dan, W8AJF | 27 Food Group 7PM 2M NCS Elaine, KC8FOS | 28 2M Net 8 PM NCS Elaine, KC8FOS | 29 | 30 Fox Hunt 11 AM Bradley Woods, Westlake. |
| | | | | | | |

NOARS Winterfest

As Carl reported in the Prez Sez, the Winterfest was a success. Here are photos of some of the more than 177 folks who attended. Join us for all the fun at the NOARSfest on July 16 at Lorain County Community College.

Hamfest Prize Winners:

Yaesu VX-5R. 50/144/430 Triple-Band Handheld Transceiver: Jim MacMillan, WA8ZHN

CompacTenna 20M/2M/440 Antenna: Geroge Benko, K8BRW

Compactenna 2M/440 Antenna: Ken Koyan, K8TV





NOARS Monthly Lunch

Ten folks gathered for the Monthly NOARS Lunch Tuesday March 1. It's always a good time. Join us for

the lunch on Tuesday April 5 at noon at the Golden Corral, 1519 West River Road in Elyria.



Tom, W8PD Award Donor to New England QSO Party

Go to <https://neqp.org/awards/> for a list of the awards and donors. You will find that Tom Miller, W1PD was a donor for the USA-Single Operator-Ohio award, in honor of his father, Jack Miller, W1PDI, SK.

The winner was: K9NW, Mike Tessmer from Hamilton, OH.

**New England
QSO Party
2021**

This certificate is awarded to
**Mike Tessmer
K9NW**
in recognition of achieving
First Place Ohio
Single Operator
Donor: Tom Miller, W1PD,
in memory of Jack Miller, W1PDI

Tom Frenaye
Tom Frenaye, K1KI

Bill Myers
Bill Myers, K1GQ

MAINE
16 counties

NEW HAMPSHIRE
10 counties

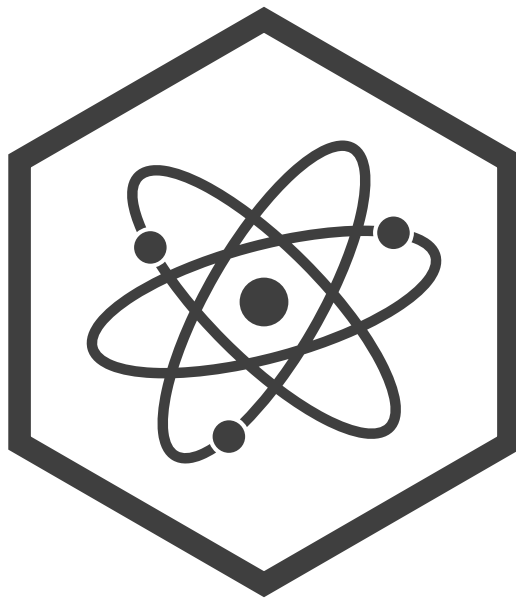
VERMONT
14 counties

MASSACHUSETTS
14 counties

CONNECTICUT
8 counties

RHODE ISLAND
5 counties

N1AIA



The Truth About Electronics, Including Brigitte Bardot

Thanks to Chet, K8KIZ for sending this.

The below was published in Quora, an online magazine.

Eric Jones

Former WikiAnswers Physics Editor Updated Feb 22, 2022

Would somebody please, definitively, and in terms a layperson can grasp, describe how electricity moves through a wire?

One of the most remarkable things I have to keep relearning about physics is that most phenomena seem comprehensible when they behave according to our absurdly simplistic grade school notions of how they should behave. But when studying further, these phenomena become wildly convoluted and self-contradictory—since we started out with badly flawed ideas about the basic physics. So everything we know is wrong—because we think like humans—not electrons, not fields, and not atoms...

“Skin Effect” is a 1957 film-tribute to Brigitte Bardot, and also what happens to electrons that increasingly drift towards the surface of a conductor at high frequencies. Why do we care about this when electrons don’t do much anyway? Because the center of conductors at high frequencies has no electrical function. This is easily seen

in HF induction coils made of hollow tubing instead of solid.

But at least you would think that the “theory” of electricity has been well worked out by now. But here’s a test:

- 1) What carries the energy in a simple electrical circuit?
a- Electrons, b- Holes, c- God knows!
- 2) What returns on the ground or return wire?
a- Electrons, b- Holes, c- God knows!
- 3) In a coaxial cable, exactly where is the energy carried?
a- In the center conductor, b- In the shield, c- God knows!

Okay, here’s an easy one: How big is an electron? a- $re=2.8179402894 \times 10^{-13}$ cm. b- I’m waiting for a call from Stockholm. c- God knows!

If you answered “c” to all four questions, you are correct, but we can shed considerable light on the subject without calling on Spooky Powers—

For the rest of the article, including a photo of sex kitten Brigitte Bardot, go to

<https://www.quora.com/Would-somebody-please-definitively-and-in-terms-a-layperson-can-grasp-describe-how-electricity-moves-through-a-wire/answer/Eric-Jones-157>

NOARS Membership Meeting Minutes

March 21,2022

Submitted by Elaine Wilkinson, KC8FOS

The meeting was held over Zoom as the library continues to have staffing problems and could not assign us a room at an appropriate time.

The meeting was called to order at 7:00 PM by club President, Carl, W8KRF. Nineteen people were in attendance.

Carl, W8KRF made a motion to suspend reading minutes of the February 2022 meeting, as they are published in the newsletter. Ann, KA8ZEP seconded the motion. The motion passed.

Treasurer's Report - Tom, W8KYZ. Tom reported the club's balance, including income and expenses. Expenses were printing tickets for the Winterfest, payment to the Ohio Area Repeater Council, Windstream, and start-up money for 50/50 and the front table at the Winterfest. A motion was made by Tom, W1PD to accept the treasurer's report, seconded by Dan, W8AJF. The motion passed.

Winterfest Report – Carl explained the budget for Winterfest, showing income, expenses and profit. Thanks were given to Ann, KA8ZEP; Dan, W8AJF; Bill, K2WJS; Earl, W8LYY; and Elaine, KC8FOS for their help at the fest.

Committee Reports

Property – Tom, W1PD. A list of club property was sent to Tom, W8KYZ. Whereabouts of metal stakes for the NOARS banner are unknown. Another Club Property Manager will be needed at the end of summer.

Repeaters - Carl, W8KRF. The repeaters are going well.

Website - Carl, W8KRF. The website is up to date.

Membership – Carl, W8KRF. We have ninety-one members. New members are Sandra, KE8UCL; Richard, KE8TJM; Linda, KM4GSF; Betsy, KE8UCM

Sunshine 1 – Carl. Al, N8CX is still in the VA hospital where he will be for another month. He's doing OK, looking forward to getting out, and is already working on Field Day.

Social Committee - Ann, KA8ZEP. The April monthly lunch will be on Tuesday, April 5th at noon at Golden Corral in Elyria, 1519 West River Road. The first Fox Hunt of the season will be Saturday, April 30 at 11:00 at Bradley Woods in Westlake, 4538 Bradley Road.

Programs – Elaine, KC8FOS. The April program is being worked on. The June meeting is scheduled to be outside on Saturday, June 11 at 11:00. It will be an Antenna Day.

Hamfest – Carl, W8KRF. The Winterfest was quite successful.

Sunshine 2 - Tom, W8KYZ. Jeany, KC3QND's great granddaughter passed away at only two months old. Our prayers and thoughts go out to the family.

Nets – Elaine, filling in for Jeany, KC3QND. Carl thanked Jeany, KC3QND for filling in for him on his scheduled 2M net this month. There is no update on the nets.

Newsletter - Tom, N8FDY. Have submissions in by Saturday, March 26th. Tom gave a brief report on his Winterfest experience. He sold the most he's ever sold at a hamfest. \$403.00 was made for the club from sales of gear owned by Bill Hole and Roger Fell, both silent keys .

Old Business - Carl, W8KRF - Nominations were asked for from the Board for the position of Secretary of NOARS. Elaine, KC8FOS nominated John, W8LYO. John accepted the nomination. There were no nominations from the virtual floor. John was congratulated on being the Secretary.

New Business – There was no new business.

Adjournment - A motion was made to adjourn the meeting by John, W8LYO, seconded by Chris, KD2HCE. The motion passed. The meeting was adjourned at 7:23 PM.

Following the meeting, a program about Kit Building was presented by Bob, W8NNC and Chet, K8KIZ

Visit Our HAM RADIO SHOWROOM TODAY!

Step inside our Showroom Monday through Saturday, 9 am to 5 pm. Or place your orders and pick them up at the curb. Here's how:

- Pick-up available from 9 am - 8 pm, Monday-Saturday and 9 am - 7 pm, Sunday.
- Place your order at DXEngineering.com or by calling 1-800-777-0703. All orders must be prepaid.
- Pull into a designated curbside pickup space in front of the Summit Racing Retail Store. You will need valid ID, your order number, and the physical credit card you used or Pay Pal receipt.
- Only the person who purchased the item may pick up the order.

We look forward to seeing you!

DXEngineering@DXEngineering.com

The DX Engineering Retail Showroom
1200 Southeast Ave. • Tallmadge, Ohio

DX ENGINEERING



Estate Sale, KG8BP, SK, ED DOEHNE

Cushcraft ARX-2 Ringo Ranger 2 meter vertical antenna. \$45.00

Cushcraft AR-10 10 meter vertical antenna. \$95.00

MFJ-941D Versa Tuner II 300w, 1.8-30MHz tuner/watt meter. Was \$95 now \$70.00

Icom MBF-4. Mobile bracket. New, inbox. Was \$10.00, now is \$5.00

Yaesu FT-209RH 2 meter HT. Manual, needs battery. Was \$25.00 now \$10.00

Kenwood TR-2400 2meter HT, ST-1 base and mic. Was 25.00 now is \$10.00

Para Dynamics PDC-600 SWR/Power/Modulation Meter. Was \$45.00, now is \$20.00

Pal Electronics KW-1. 10/11 meter Power/SWR meter. Was \$15.00 now \$10.00

Mars SW-10 SWR meter. 10/11 meters. Was 15.00, is now \$5.00

Contact Tom. 440-320-5523 or tporter161@oh.rr.com.

For Sale from Tom, W8KYZ

RRL amateur radio world map. 27"x39". \$5.00

MFJ-4432 Digital LED car voltmeter cig. lighter plug. \$5.00

MFJ-88 Mic plug adapter. 8 pin round. New. \$5.00

Three (3) AEA Pakratts, Model PK-232MBX. Were \$25 each, now are \$50.00 for all three.

Heathkit HDA-4040-1 TNC status indicator. Was \$30.00, now \$20.00

West Mountain Radio RIGblaster Nomic Rig -to -soundcard interface. Was \$30.00, now \$15.00

Comtek W2FNI series, 1:1 Balun. New/in box. Was \$55.00, is now \$45.00

Contact Tom, W8KYZ. 440-320-5523



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 any ads.

Items for sale by Chris, KD2HCE for KA8IWO SK

The items need to be cleaned and tested.



Two Sharp Both Sides Play record players for vinyl LPs. Currently not working. \$400 each. After repair, will ask for approximately \$600 each.



Yaesu FT-221. \$200.



Heathkit HM-2141 VHF (50-175MHz) meter \$75.



Kenwood TS-700S transceiver. \$275 with MC-60 mic.



Kenwood TS-700A transceiver. \$150.



Kenwood TS-520 transceiver. \$200.



Kenwood TS-600 transceiver. \$275 with MC-60 mic.

One generic desk mic equivalent to a Sadelta Echomaster Plus. \$30

One Demon 3-tube 250 amp amplifier.

Contact Chris, KD2HCE@arrl.net and leave a number and callback time.

CW OP Lapel Pins for Sale Created by Chet, K8KIZ

They have been sent to multiple states, Denmark, United Kingdom, Germany, Australia

CW OP Pins are \$5.75 each. US S/H is \$5.06 - International S/H* is \$15.50

(*The US Postal Service ships to most countries around the world.)

NOTE: This pricing includes shipping charges for up to 10 pins per envelope.

For Example:

- 1 pin + US 1st Class S/H \$10.81
- 2 pins + US 1st Class S/H \$16.56
- 3 pins + US 1st Class S/H \$22.31
- 1 pin + International S/H \$21.25

2 pins + International S/H \$27.00

3 pins + International S/H \$32.75

NOTE: This pricing includes shipping for up to 10 pins per envelope.



Envelopes are 5"x7" tan heavy paper with inside bubble padding. Please send your order and full correct address with ZIP code to: CWpins05@gmail.com

Send your appropriate payment to: www.paypal.me/ANCRSundials

Please advise me if you are using a

different name with your payment (Example: a company name) so I can credit your email order.

Thank you! 73, Chet K8KIZ



Chet Roberts

22h

How would you like a CW OP label for a coffee mug, car window, or whatever? Get 3 of these 3" durable, waterproof and dishwasher safe labels by sending \$5 WITH a self-addressed AND self-stamped envelope to: Chet Roberts K8KIZ, 173 Fredericksburg Drive, Avon Lake, OH 44012. 73!



NOARS Information

Members of the Board of Directors

President: Carl, W8KRF

Vice President: Elaine, KC8FOS

Secretary: John, W8LYO

Treasurer: Tom, W8KYZ

Others: Bob, W8NNC, Tom, N8FDY

Others

Net Manager: Jeany, KC3QND

Club Trustee for K8KRG: Al, N8CX

NOARS Log Editors: Tom, N8FDY; Elaine, KC8FOS

Volunteer Examiners: Tom, W8KYZ; Joe, W8GWD;

John, KC8KI; Dave, K8WRS; Sallie, AB8GI

Committees

Parliamentary Committee: Tom, N8FDY

Repeaters: Carl, W8KRF; John, W8LYO;

Pete, KE8QNK; Bryan N8OOF

Field Day: Al, N8CX

Hamfest:

Sunshine: Tom, W8KYZ

Membership: Carl, W8KRF

Club Property Committee: Tom, W1PD

Programs Committee: Elaine, KC8FOS;

Bob, W8NNC; Pete, KE8NQK;

Jeany KC3QND

Social Committee: Elaine, KC8FOS;

Ann, KA8ZEP

Public Relations Committee:

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

NOARS meetings are held the third Monday of each month at 6 PM at the North Ridgeville Library, 35700 Bainbridge Road, North Ridgeville, OH. Donuts and coffee are available. All are welcome.

Nets

NOARS nets are Tuesday nights at 8 pm on 28.370 MHz, Wednesday nights at 7 pm on 146.700 MHz, and Thursday nights at 8 pm. on 146.700 MHz. All licensed amateurs are welcome.

VE Testing

Due to the testing site closing, there will be no VE testing until further notice.

Net Control Stations

Carl, W8KRF
Tom, W8KYZ
Dan, W8AJF
Jeany KC3QND
Elaine, KC8FOS
John, W8LYO

Trunk Sale & Swap Meet

Sponsored by:

Lucas County Amateur
Radio Emergency
Services

50/50 Raffle

\$5 Admission

must be present to win

9AM-12PM

Vendor Setup: 8AM

More Info & Vendor Registration Info:

<http://tinyurl.com/lcaresswap>

567-318-2291 or lucascountyares@gmail.com

Talk In 146.610/- (pl 103.5)

Sunday, May 1, 2022

Toledo Speedway
5639 Benore Road
Toledo, Ohio 46312

All Proceeds benefit the operations of the Lucas County ARES