

NOARS Log



May 2024

K8KRG

Volume 60, Issue 05

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Prez Sez

Believe it or not, I am writing this early for once and not waiting until the last minute. Today is World Amateur Radio Day, the theme for this year being "A Century of Connections: Celebrating 100 Years of Amateur Radio Innovation, Community, and Advocacy." I had a vacation day planned for today, not realizing what today is. I am a little disappointed as the bands are not great today. I made two phone WARD contacts so far to Belgium and Switzerland on 15 meters. Hopefully things will pick up and I can make a few more. I participated in the CQ WW WPX contest at the end of March and thankfully the bands were

good. I made my first phone contact with China and Saudi Arabia. I also had more contacts than the previous year. For my category, single-op all bands low power, I did OK: 286/3367 World, 91/1067 North America and 66/912 Region W. Of course, these are the raw scores and that may change slightly.

Field Day is coming up on June 22 – June 23 at the Indian Hollow Reservation in Grafton. The theme this year is "Be Radio Active." If you are reading this and do not have a license yet, come on out and use our Get on

Continued on page 2

The Membership Meeting will be Monday, May 20 at 7:00 PM.

North Olmsted Library, 27403 Lorain Rd.

Field Day Readiness presented by Carl, W8KRF

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.



Continued from Prez Sez on page 1

The Air (GOTA) station. There will be a licensed operator assisting you to make contacts across the bands. Last year we had individuals who came out who are now licensed and active in the club. If you have a license, come out and help out getting on the air to make contacts

or just hang out and see what it is all about and be Radio Active!

I hope to see everyone at Field Day.

73'

John, W8LYO

Welcome New Member

Welcome to Daniel Stover, KF8AXL of Aurora, OH.

Looking Forward to Hamvention 2024

by Elaine, KC8FOS

The first time Tom, N8FDY, and I went to Hamvention was in 2017, the first year it was in the Greene County Fairgrounds near Zenia, Ohio. What struck me immediately was the sheer number of hams who gathered for the event. I had no idea there were so many. I thought the Cleveland Hamfest was big. Little did I know that Hamvention would be so much bigger. There were literally thousands of hams at Hamvention over its three days. It was an uplifting, invigorating, and educational

experience. There are enough forums covering many subjects that there is something for everyone. There are hundreds of vendors with a multitude of different products, and a large flea market. Greene County has been working to improve the area of the flea market, parking, and signage. This year's Hamvention is May 17, 18, and 19. I highly recommend attending, if for no other reason than to be among so many different sorts of people who enjoy a fascinating hobby. Tom and I are looking forward to another good experience.

VE Session Saturday, May 4

The NOARS VE Team will test candidates Saturday, May 4 at the Fairview Park Library at 10 AM. The library is at 21255 Lorain Rd.

Amendment to the Constitution of The Northern Ohio Amateur Radio Society Approved

The proposed Amendment to the NOARS Constitution that modifies the Board of Directors section paragraph 1 was approved at the March 18 and April 15 meeting per the amendment process and went into effect.

In the revised version, the changed text is highlighted:

“1. The principal governing body shall be a Board of Directors, consisting of the four current officers (President, Vice President, Secretary, and Treasurer), plus the most recent past president and **three (3)** full members from the general membership, hereafter known by and referred to as the Directors.”

May 2024 Social Events

Tuesday Lunch May 7 at noon at Golden Corral in Elyria. As always, all are welcome.

Weekend Lunch **Saturday May 11 at 12:30.** We will gather at a restaurant new to us: **BJ's Restaurant and Brew House, 25779 Brookpark Rd, North Olmsted, OH 44070.** Come join us for fun and fellowship.

May Fox Hunt: Date a location will be announce via email.



Finding and Maintaining Younger Ham Radio Operators

There has been growing interest over the past decade, and longer, in how to attract younger people into ham radio. There are a couple of forums scheduled at Hamvention about youth in the hobby. In the meantime, here is a link to a good article in “On All Bands” that is worth the time

to read.

How to <https://www.onallbands.com/%EF%BB%BFfinding-and-maintaining-younger-ham-radio-operators/>

Ken Roberts, KC8BQO, SK

Ken Roberts, 82 of Elyria passed away in early April 2024. Ken was a former member of NOARS and very active on VHF/UHF. He had been ill for some time with

Parkinson's Disease. His wife Joni Roberts is also a ham (KC8BXH). A sympathy card was sent to the family. Thank you to Tom Porter, W8KYZ, for the information.

May Birthdays

Dan Kutchin, K8AGW
Dwayne Elderidge, WO8U
Eric Hatfield, KE8VZA
Jeany Hess, KC3QND
Richard Miller, KD8UKH

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!



April 15, 2024 Membership Meeting Attendance

In Person

Andrew, KE8WMS
Bill, K2WJS
Bill, KE8WHP
Bob, W8OOT
Bryan, N8OOF
Carl, W8KRF
Clark, N8PZD
Connie, K8CCS
Dan, W8AJF

Ed, KB8VOT
Elaine, KC8FOS
Eric, KE8VZA
Fred, N8AHS
Gordon, AI8Y
Janice, K8MTR
Jeany, KC3QND
John, W8LYO
Paul, KE8WHG
Pete, KE8NQK

Rich, KE8YUP
Sara, KC8KSU
Spiro, KC9NUN
Tom, N8FDY
Tom, W8KYZ
Albert

Chuck, K8CVM
Jim, KD8OCW
Ken, W4CCZ
Mark, KG4SCK
Scott, KE8VOX
Will, KE8WHM

Via Zoom

Bill, N8JET
Bob, W8NNC
Chris, KE8MMY

Heard on the Nets in April

Ann, KA8ZEP
Bill, N8JET
Bill, K2WJS
Bill, N8WS
Bob, W8OOT
Bryan, N8OOF
Carl, W8KRF
Chris, KE8MMY
Chuck, K8CVM
Clark, N8PZD
Dan, K8AGW
Dan, W8AJF

Dan, W2DLB
Ed, KI8D
Elaine, KC8FOS
Eric, KE8VZA
Fred, N8AHS
Gordon, AI8Y
Dr. Jack, N8NDL
Jeany, KC3QND
John, W8LYO
Josh, KE8YUG
Ken, W8KH
Leone, KB8VBR

Linn, KD8NGE
Marie, KF8ANS
Mark, KC8FQV
Mark, KG4SCK
Mike, KM6AB (Calif.)
Mike, K6YMM (Calif.)
Nick, KD8SLG
Paul, KE8WHG
Pete, KE8NQK
Ralph, N8BAY
Rich, KE8YUP
Ron, KB8LNK

Ron, W8RON
Ryan, AD2Q
Scott, KE8VOX
Stephen, N8WB
Steve, KF8ANT
Steve, N8IYA
Tom, N8FDY
Tom, N8UAZ
Tom, W8KYZ

May, 2024

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

			1 Food Group 7PM 2M KE8YUG	2 2M Net 8 PM KE8VZA	3	4 VE Testing Fairview Lib. 10 AM
5	6	7 NOARS Lunch at Noon 10M Net 8 PM W8LYO	8 Food Group 7PM 2M KC3QND	9 2M Net 8 PM W8KYZ	10	11 Weekend Lunch 12:30 PM
12	13	14 LOTA 7 PM 10M Net 8 PM W8KYZ	15 Food Group 7PM 2M KC8KSU	16 2M Net 8 PM KE8YUG	17 Hamvention	18 Hamvention
19 Hamvention	20 NOARS Meeting 7 PM	21 10M Net 8 PM W8AJF	22 Food Group 7PM 2M KE8YUG	23 2M Net 8 PM KC8FOS	24	25
26	27	28 10M Net 8 PM KE8VZA	29 Food Group 7PM 2M KC8FOS	30 2M Net 8 PM W8LYO	31	

NOARS First Fox Hunt of 2024

by Bryan Torok, N8OOF

It was an overcast and chilly day, Saturday, April 13. Despite temperatures hovering in the low to mid 40s and a threat of rain, 14 intrepid people braved the weather at South Central Park in North Ridgeville (Ohio Rt. 83 & Bainbridge Rd.) for the first NOARS Fox Hunt of 2024.

For this hunt, Sara, KC8KSU and I were the Fox Wranglers, meaning we hid the fox transmitters. Sara did two and I did one. Fox hiding can be a bit of a challenge and a balancing act between making the hunt fun and challenging for the more experienced hunters while also accommodating the needs of those who may have mobility or stamina issues. We try to keep the hiding locations within 5 to 10 feet of a path or smooth grassy area and visible from at least one perspective without having to move anything.

We also strive to place the Fox in a place where it is unlikely to be noticed by other park users so that a device with a blinking red light on it will not alarm them. Also, we try to avoid places where other park visitors are likely to congregate. We don't want other park visitors to be made to feel uncomfortable by strange looking people walking around while pointing strange looking devices at them. Thus, for example, we usually avoid putting the Fox on the underside of a park bench where people are

likely to be seated. Note, this is not a hard and fast rule as was demonstrated in this hunt.

What I found very interesting is the variety of equipment and techniques used by the hunters. Tape measure beam antennas and active offset attenuators were the most common. However, there were several different designs of tape measure antennas and attenuators. Other folks used body shielding techniques along with loosening or removing their radio's antenna to achieve success.

If you are interested in hunting, come and join us. Most hunters will be happy to demo their technique and equipment and we often have extra equipment you can borrow. As I write this, a date and specific location has not been set for the next hunt. Watch your email for details for date and location. I'm hoping to organize a mobile, in car, Fox Hunt to be held in late June. Again, details to be determined. We hope to see you at an upcoming event.

Fox Hunt Attendees, April 13, 2024: Andrew Lent, KE8WMS; Bill Sheehan, K2WJS; Bryan Torok, N8OOF; Chris Durkin, KE8MMY; Connie Sheehan, K8CCS; Eric Hatfield, KE8VZA; Josh Obergas, KE8YUG; Marie Obergas, KF8ANS; Mark Hayden, KG4SCK; Paul Sultan, KG8WHG; Rich Whisler, KE8YUP; Sam Harmon, N8JKD; Sara Torok, KC8KSU; Will Rankin, KE8WHM



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NVIS Day

Greg Zeise, W8ZAG, of our fellow ham club LCARA, hosted NVIS Day at his house in Amherst on April 25. Some NOARS members attended the event, making it, as Marie, KF8ANS says, special. The event started off with

breakfast and donuts at 9 AM. They enjoyed talking about Field Day and exchanging radio stories. And the weather turned out great as well!



The Wadsworths Are at it, Again

Dan, W8AJF and Ann, KA8ZEP activated Quail Hollow State Park Near Hartville on Thursday, April 25. They used FT-8 and CW to make contacts. They used Faraday

cloth as a ground plane for their ham stick antenna. Dan said it worked well.



Eclipse 2024

By Bob, W8NNC

The eclipse in Avon Lake gave us the opportunity to investigate the effects of a clear-sky-affected HF propagation in the 40 meter band before the moon began to block the sun and two and a half minutes into the complete blockage of the sun.

We used the Reverse Beacon Network (RBN) to supply data. We called CQ on 7.005 MHz to acquire the data from the stations that reported hearing our 10 watt signal CW signal before the moon approached the sun. Each station reported the received Signal to Noise Ratio (SNR).

When the moon was halfway through the complete blockage of the sun, we transmitted on 7.010 MHz at the same 10 watts and acquired the SNR from the stations that heard us.

Fig 1 shows the RBN stations that reported hearing us both when the sun was completely seen and when the sun was completely blocked by the moon.

The first number is the SNR while the sun was clear. The second number is the SNR two minutes into complete blockage by the sun.

Fig 2 shows all the RBN stations that heard us in the middle of the complete blockage of the sun by the moon. Eight RBN stations heard us one minute before the moon was near the sun and sixteen RBN stations heard us two minutes into complete blockage by the sun.

RESULTS; The four minute total eclipse of the sun improved the propagation of the 40 meter band.

Fig 1

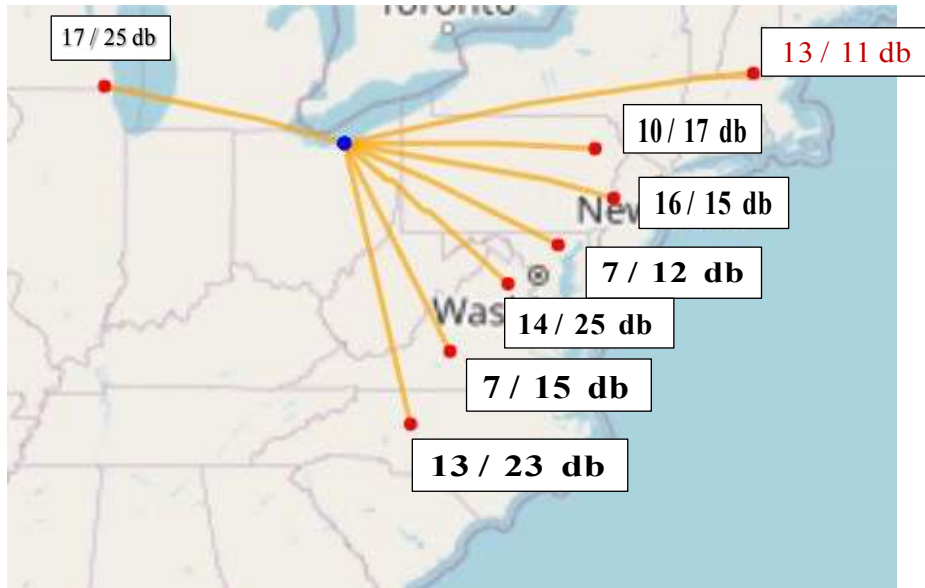


Fig 2



My Impressions of the COMPACTenna 20/40 MICRO HF Antenna

By Tom, N8FDY

Before I talk about the COMPACTenna 20/40 MICRO HF, I want to give you some history about how I discovered COMPACTenna.

I discovered COMPACTenna when I attended a West Park Radiops Amateur Radio Club meeting on Friday, February 21, 2020, and saw a presentation by Dr. Jack Nilsson, N8NDL. He covered many topics including science, technology, philosophy, and creativity. Dr. Jack also talked about his antenna innovations. I was fascinated by his presentation, and I decided the next time I needed a mobile antenna, I would strongly consider one of the COMPACTenna models. We already had a 2m/70cm antenna on the family vehicle, so I didn't run right out and buy one of Dr. Jack's antennas. Boy, I wish I had.

As it turned out, the 2m/70cm antenna on our car had an argument with the garage door, and the garage door won. I hearkened back to Dr. Jack presentation and started looking at his website at <https://compactenna.com> to decide on an antenna. I went with the Model 2M/440. I don't pretend to understand the physics, but this short antenna works just as well as our previous antenna, which had only 1 inch clearance with the garage door fully opened. I am very pleased with the Model 2M/440 and I am glad I ignored the few naysayers I encountered during research. New ideas and new technology seem to always have its detractors. I overheard two hams talking on HF and the first ham was describing his antenna setup and the second ham proclaimed confidently that the antenna setup could never work. The first had replied, if that setup could never work, how am I talking to you on it right now?

The first time I saw the COMPACTenna 20/40 MICRO HF Antenna was on Sunday, March 10, 2024, at the NOARS Winter Hamfest. Dr. Jack had a table with his usual antennas, but he also had this new little black can with a white coax cable coming out near the bottom.

My wife Elaine, KC8FOS, enjoys outdoor HF operation; she prefers SSB. On these outings I help set up and tear down, but I don't operate, as I prefer FT8. I recently bought an FT8-specific transceiver kit from QRP Labs to

take on the outings with Elaine, but I could not decide what antenna to use. When I saw the COMPACTenna 20/40 MICRO HF Antenna, I thought that might be the one. I was talking to a good friend, Stephen Kinford, N8WB, about the new antenna. He said he just happened to have one he was testing, and he loaned it to me.

So, I had a chance to test out this light and small antenna that works on 40 meters and 20 meters. Those happen to be the two bands I was interested in using on these outings with Elaine. The antenna is light, weighing 2 lb. 4 oz. on our kitchen scale. It has two holes on the lip near the top, so we tied some UV resistant nylon cord to them to make a handle. We decided to hang it in a tree in the backyard so it would be at least 10 feet away from any metal and at least 10 feet above the ground.



On Easter Sunday we put up the antenna and I started to listen around the bands. The noise level seemed lower. I set my radio to transmit only 15 watts per the instructions

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for the COMPACTenna 20/40 MICRO HF. You can use up to 100 watts on SSB, but for all other modes it is a maximum of 15 watts. I was a little skeptical because with my current antennas (Hustler 6BTV and a 40m EFHW) I needed at least 30 watts to talk to anyone on FT8 and a lot more power for DX. I started on 20 meters. My first contact was Teddy, WA4TED in McMinnville, TN, 444.6 miles away, which is good for 15 watts. I always thought it was my location and not my antenna that were holding me back from QRP. Maybe not. My next contact was Terry, KE0RB in Marion, IA, even farther away at 500.4 miles. My next contact was Jeffery, KC5TT in Katy, TX, which is 1115.3 miles away, on 15

watts with a 9½ inch diameter by 10-inch-high antenna up in a tree.

I decided to switch to 40m to see how the NVIS part of the antenna works. My first contact on 40m was James, WA4YWM in Quakertown, PA, 349.2 miles away. My next contact was Richard, KF9KV in New Glarus, WI, 406.5 miles away. After that it was Wayne, AC9HP in Indianapolis, IN, 256.9 miles away, good for NVIS. Now back to 20m. I contacted Roger, KO4O in Trinity, AL, at 546.9 miles. I thought I was doing pretty well for 15-watt DX, since these contacts beat my current antennas at that power level, and then this happened. My last contact was Luis, EA1A in Cantabria Spain, That's 3,821.3 miles away!

I usually say, "Life it too short for QRP." I know 15 watts is not QRP, but it is very close, considering I need to run 100 to 500 watts on my vertical to get the same results I was getting from the COMPACTenna 20/40 MICRO HF. This little antenna looks very promising.



Sl	Date	Time	FX Call	TX B...	TX Fre...	FX Mode	FX Grid	FX Country	FX Operator Name	Comments	☆	□
1	2024-03-31	22:01	EA1A	(20m)	14.077	FT8	IN73wj	Spain	LUIS SEGURA		☆	□
2	2024-03-31	21:58	KO4O	(20m)	14.075	FT8	EM64kn	United States	ROGER D COOK		☆	□
3	2024-03-31	21:46	AC9HP	(40m)	7.075	FT8	EM69ts	United States	Wayne R Michael		☆	□
4	2024-03-31	21:42	KF9KV	(40m)	7.075	FT8	EN52et	United States	RICHARD S SAMUE...		☆	□
5	2024-03-31	21:29	WA4YWM	(40m)	7.076	FT8	PN20hj	United States	James W Elmore		☆	□
6	2024-03-31	21:15	KC5TT	(20m)	14.075	FT8	EL29cs	United States	Jeffery P MacMillian		☆	□
7	2024-03-31	20:08	KE0RBX	(20m)	14.076	FT8	EN42eb	United States	TERRY L WHALEY		☆	□
8	2024-03-31	19:53	WA4TED	(20m)	14.075	FT8	EM75dq	United States	Teddy D Boyd		☆	□

NOARS Membership Meeting Minutes

April 15, 2024

Submitted by Connie, K8CCS

The meeting was held in person at North Olmsted Public Library, and via Zoom. It was called to order at 7:00 p.m. by club President John, W8LYO.

Total number of people in attendance: 34 (25 attended in person; 9 attended via Zoom).

Pledge of Allegiance.

Introductions and roll call of all in attendance.

Motion to accept the January meeting minutes as published in the NOARS Log was made Andrew, KE8WMS; seconded by Pete, KE8NQQ. Minutes accepted.

COMMITTEE REPORTS:

Treasurer Report – Eric KE8VZA

Deposits: \$45 – three new members.

Expenses: Windstream Internet - \$80.70; Hamfest signs - \$306.72; Hamfest concessions - \$132.00. Future expenses will include HostGator and SiteLock services.

Motion to accept the treasurer report was made by Tom, N8FDY; seconded by Tom, W8KYZ. Treasurer Report was accepted.

Membership – Carl, W8KRF – We are currently at 119 members.

Website – Carl, W8KRF – The Website is up to date. Please use the Website to get the most current information on all events.

Repeater – Carl, W8KRF – No change.

Club Property – Carl, W8KRF – No change in club property. The analyzer is currently borrowed, but let Carl know if you would like to borrow it.

Field Day – Carl, W8KRF – There will be a Zoom meeting in May. Field Day will take place at Indian Hollow Reservation. All of the information regarding Field Day is current on the NOARS website. Please note, you can also operate from home.

Social Committee – Elaine, KC8FOS

NOARS Tuesday Lunch will be May 7 at noon, Golden Corral in Elyria. Everyone is welcome.

NOARS Weekend Lunch will be May 11 at 12:30, location TBD.

POTA / IOTA will move to another location. Kelley's Island is not a recognized IOTA park. More information to come.

VE Testing – May 4 at Fairview Park Library, beginning at 10:00 a.m.

Programs – Paul, KE8WHG – The May program will be presented by Carl, W8KRF, entitled “Field Day Readiness.” The June program will be presented by Elaine, KC8FOS, “Logging Software.”

Sunshine – Tom, W8KYZ – No information on anyone being in the hospital or ill.

Nets – Jeany, KC3QND – Nets have been good and we have added a few new net controllers.

Newsletter – Tom, N8FDY - The deadline for articles, photos, etc. is April 26, 2024. If you didn't sell your stuff at the hamfest, you can list it in the newsletter. If you have photos of POTA or antenna work, please also send them to Tom.

Old Business – Amendment to the Constitution – John, W8LYO. We have a proposal to amend the Constitution to add a third member of the club to the board. Currently the board consists of the current officers, the past president and two invitees. The board would like to add another member

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to the board for a total of three invitees to get more membership input during the board meetings.

A final vote was held, and the amendment was approved. A motion was made by Pete, KE8NQK to publish the Amendment to the Constitution in the May Newsletter as approved; seconded by Paul, KE8WHG.

No New Business.

Motion to Adjourn the meeting was made by Andrew, KE8WMS; seconded by Tom, W8KYZ.

Meeting Adjourned 7:20 p.m.

Presentation – Bryan, N8OOF and Sara, KC8KSU, “Fox Hunt Tips and Tricks.”



THE BEST GEAR...RIGHT HERE!

Check out our new, more spacious 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

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- Stop by and See Our Scratch & Dent and Open Box Rack
- Check Out the Latest Radios
- New Gear Added Regularly
- Fast and Friendly Service

Can't make it in?
Simply order at DXEngineering.com

For Sale by Sandy, W8KYS

10 m HTX-10 transceiver. SSB/FM/AM. 25w on SSB. Mic and manual. \$75.00, OBO.

10 m 3-element antenna. Disassembled and ready for pick up. Make an offer.

Call Sandy, W8KYS at 440-647-2255.

For Sale by Gary Limbert, KD8VIQ

Yaesu FT400 Mobile for sale. New and InbBox (not used at all). \$375.00 firm, plus shipping, local to Cleveland.

Interested can contact Mr. Pork E. Roast at 216-269-6608

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.

For Sale by Bill, KB8FU

Icom F-221 128 channel, 45 watt, 440-490 MHz mobile transceiver. GMRS capable. FCC Part 90 approved for narrow (11k0F3E) and wideband (16k0F3E). FCC ID: AFJ 262301 (<https://fcc.id/AFJ262301>) Includes programming cable, CS-F100 software and 5/8 wave NMO mount antenna. \$200.

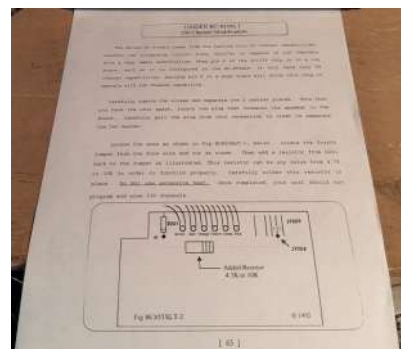


Icom IC-4AT, 70 centimeter HT with Comm Spec CTCSS encoder. Includes desktop charger, speaker mic, adioShack VOX module, battery extender with belt clip and various NiCd batteries. \$40



RadioShack VOX module, battery extender with belt clip and various NiCd batteries. \$50

Uniden BC-855XLT. 100 channel desktop scanner. 29-54, 108-137 (AM), 137-174, 406-512, 806-956 Mhz. \$40



Parts from a Hustler 6BTV HF Vertical Antenna.
Includes 10, 15, 20 and 30 meter traps, 75 meter resonator and some other items.
Free
Contact Bill at 440-281-8105

For Sale by Pete Sklenar, KE8NQQ for Lenny N8XLQ S/K

(All items are open to offers)

YAESU FT847 Earth Station with FC20 Auto Antenna Tuner \$850.00 OBO

YAESU FT DX101MP with FPS 101 Power Supply \$3500.00 OBO

YAESU FT DX1200 HF radio \$675.00 OBO

YAESU M1 Mic \$500.00 OBO

Astatic D104 Silver Eagle \$200.00 OBO

3 Astatic D104 microphones with standard base \$75.00 each 2 gray, 1 silver OBO

1 Astatic Golden eagle microphone \$300.00 OBO

MFJ Versa Tuner 11 Model MFJ969 \$175.00 OBO

Maco M105 HV 11-meter horizontal beam antenna with vertical addition for 10 meters

\$350.00 OBO

1 MFJ 891 Cross Needle SWR/ Power meter \$100.00 OBO

2 YAESU FT101E Vintage radios. Not tested but do power up. Condition unknown \$200.00

each OBO

Hy-Gain Super Penetrator 10/12 Meter Vertical Antenna \$100.00 OBO (One radio slightly

bent) OBO

Miscellaneous equipment, too much to list. Feel free to contact Pete to look at it.

Contact Pete at pskle22383@live.com or 440-281-4486.

For Sale by Ron West, N8OD

Yaesu FT710 HF & 6 transceiver (like new). \$700

Rig Expert Zoom 55 antenna analyzer. \$200

Astron RS 35 M power supply. \$100

Wolf River Coils with 102" and 217" whips. \$125

MFJ model 939 auto antenna tuner (like new). \$150

MFJ model 962 manual antenna tuner. \$100

MFJ model 949E manual antenna tuner. \$100

MFJ model 849 200 watt swr/watt meter, 1.6 to 60 Mhz. New in box. \$100

Contact Ron West at 440-865-5845 or ronwest47@gmail.com



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!

* Coffee Mug
Not
Included!



Multimeters For Sale by Tom, N8FDY

Contact Tom. 216.409.1886 or email: thomaswilkinson@gmail.com



Keysight U1242C
10,000 Count, \$310



Greenlee DM-860A
50,000 Count, \$230



Greenlee DM-820A
10,000 Count, \$130



Brymen BM525s
10,000 Count, \$120



Brymen BM789
60,000 Count, \$120



EEVBlog BM786
60,000 Count, \$110



EEVBlog BM-235
6,000 Count, \$100



Greenlee DM-510A
6,000 Count, \$100

NOARS Information

Members of the Board of Directors

President: John, W8LYO

Vice President: Elaine, KC8FOS

Secretary: Connie, K8CCS

Treasurer: Eric, KE8VZA

Others: Carl, W8KRF; Tom, N8FDY; Chris, KE8MMY

Others

Net Manager: Jeany, KC3QND

Club Trustee for K8KRG: John, W8LYO

NOARS Log Editors: Tom, N8FDY; Elaine, KC8FOS

Volunteer Examiners: Elaine, KC8FOS; Glenn, AF8C;

Ron, N8EGZ; John, W8LYO; Dave, KD8MXE;

Bob, W8OOT; Bill, N8JET; Bill, K2WJS; Ed,

KA0MRD; Scott, KE8VOX

Committees

Parliamentary Committee: Tom, N8FDY

Repeaters: Carl, W8KRF; John, W8LYO;

Pete, KE8QNK; Bryan N8OOF

Field Day: Carl, W8KRF

Hamfest: Carl, W8KRF

Sunshine: Tom, W8KYZ

Membership: Carl, W8KRF

Club Property Committee: Carl, W8KRF

Programs Committee: Paul, KE8WHG Chair;

Pete, KE8NQK; Jeany KC3QND; Elaine, KC8FOS

Social Committee: Elaine, KC8FOS;

Linda, KM4GSF; Sara, KC8KSU; Eric, KE8VZA;

Andrew, KE8WMS; Will, KE8WHM; Ann, KA8ZEP

Public Relations Committee:

Chris, KE8MMY

Membership

Membership is open to anyone interested in amateur radio. Dues are: Full \$15, Associate (non-licensed) \$7, Family members of a full member \$4 each. Membership and payment are available at www.noars.net. Make checks payable to NOARS and mail them to: NOARS Membership Committee, 20246 Drake Rd., Strongsville, OH 44149.



Meetings

The third Monday of each month at the North Olmsted Library, 27403 Lorain Rd. at 7 PM. 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

Contact Elaine, KC8FOS at ewilkinson1951@gmail.com, or call 216-337-4235 for more info or to register for a test. Walk-ins welcome.

Net Control Stations

Jeany KC3QND
Eric, KE8VZA
Sara, KC8KSU
Tom, W8KYZ
Dan, W8AJF
Elaine, KC8FOS
John, W8LYO
Josh, KE8YUG