

NOARS Log

April 2024

K8KRG

Volume 60, Issue 04



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Prez Sez

I believe I said warmer weather was coming but it must have gotten lost along the way. There will be just a little delay until we can start doing more things outside, like fox hunts and POTA activations. I know a lot of people had fun getting ready for fox hunting by making antennas at the recent builder event. Do not forget Field Day 2024, which is fast approaching, in less than three months. It's a good way to get out, operate, meet people, and learn new things. Please get involved in this awesome event. I finally got a LiFePO4 battery this month to use for things like POTA and Field Day, to go along with my remote rig. I'm set for the warmer weather to test it out. It's all charged up, wired, and ready to go. Now all I

need to do is figure out a good gocase to transport it. I guess that will be my next project. I want to thank everyone who came out to Winterfest and made it a huge success. Not only was it one of the largest attended (207 tickets sold) we also had a great turnout for testing, and welcomed new and upgraded operators and members into the hobby. I also want to thank everyone who volunteered their time in planning and execution to make the event what it was. We couldn't have done it without you.

73'

John, W8LYO

The Membership Meeting will be Monday, April 15 at 7:00 PM.

North Olmsted Library, 27403 Lorain Rd.

Sara, KC8KSU and Bryan, N8OOF, fox hunters extraordinaire, will present Fox Hunt Tips and Tricks, including driving fox hunts.

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.



What are you Reading?

by Elaine, KC8FOS

We all have the enjoyment of amateur radio in common. Most of us have more than amateur radio in our lives and have other hobbies we enjoy, as well. Most of you know I'm a retired librarian, so books are in my blood. I've discovered over the years, through talking occasionally about books on the nets, that I'm not the only reader in the group. Yesterday I finished *the girl with no name by Marina Chapman: THE INCREDIBLE STORY OF A CHILD RAISED BY MONKEYS*. When she was four years old, she was snatched outside her family's garden in rural Colombia by two men who abandoned her deep in the jungle. She survived by mimicking a troop of monkeys, that eventually accepted her. After five years she found her way back to people, where she had experiences which were more harrowing than life in the jungle. The book entails events of her years until she was

around seventeen and found a new life in Bogota, Colombia. According to the Internet, she eventually ended up in England, where she married and had a family. I hope there's a sequel so I can find out how that happened. The book is available digitally at Cuyahoga County Public Library, and of course on Amazon.

I've also discovered the work of Will Eisner, a groundbreaking cartoonist from the 1930s until his death in 2005. His work is available in paper and digitally at CCPL and for purchase online.. One of his more highly regarded works is a graphic novel entitled *A Contract with God*, four stories of tenement life in New York City in the 1930s, copywrite 1978.

If you would like to share what you've been reading or other hobbies you enjoy, send the information to me at ewilkinson1951@gmail.com.

NOARS Parks on the Air and Islands on the Air Extravaganza Coming Soon!

Plans are to go to Kellys Island the morning of Saturday, June 1 and activate the area as a park and an island at 9 AM. You do not need to make contacts in order to be a part of the group. The Kellys Island Ferry Boat Line runs between Marblehead and Kellys Island. Schedule information and pricing are at <https://www.kelleysislandferry.com>.

Some folks may stay overnight. There are camping areas on the island and hotels on the mainland and the island. If you opt to stay overnight, it would be a good idea to book something soon, as they will fill up fast.

Arrrr, matey! Watch for more information in the coming weeks.

Amateur Radio Testing Results from NOARS Winter Hamfest March 10

The VE team tested ten candidates. Eight passed their tests, two failed and earned no new license. The results were four new Techs, one of whom was Marie Obergas; three Generals, two of whom started with the tech test, then moved on to the general and passed; and one Extra,

who is NOARS member Rich Whisler, KE8YUP.

Graders were Bob, W8OOT; Bill, K2WJS; Ron, N8EGZ; Dave, KD8MXE; Scott, KE8VOX; Ed, KA0MRD; Bill, N8JET. Greeter was Connie, K8CCS

April 2024 Social Events

Tuesday Lunch on April 2 at noon at the **Golden Corral, 1519 West River Rd., Elyria**. If you like to talk and eat tasty food, the Monthly Lunches are for you. All are welcome.

Weekend Lunch on Saturday, April 13 at 12:30 at **Blue Sky Restaurant, 802 Cleveland Street, Elyria**. We have reservations. All are welcome!

Fox Hunt on Saturday April 20. More information will be sent out later.

Welcome New Members!

Joining NOARS are Spiro Vamvakas, KE8NUN, who joined at the Winter Hamfest. Joining us from the Winter Hamfest VE Session are Gary Smith KF8ANR, Marie

Obergas KF8ANS and Steve Millar KF8ANT. They took advantage of the free one-year membership offered to those who pass the Technician Class License Exam.

Fox Hunts are all the Rage!

Join us for the first NOARS Fox Hunt of the season on April 20, place to be determined by Sara, KC8KSU and Bryan, N8OOF, fox wranglers extraordinaire. Their choice of site will be sent out via MailChimp. Sara and Bryan will share fox hunting tips and tricks at the April NOARS meeting on April 15. They will also see how many people are interested in a driving fox hunt.

Wait! There's more! From Jason McCormick, N8EI of SARA, their Spring Build will be a complete build that will be working when you leave. The cost will be \$80.00. Based on a Handi-Finder for fox hunting and other RFDF needs, parts provided for the build will include rods for bending into the antenna shape, coax line,



ends, adapters, battery, and handle material. The cost also includes taxes, shipping, fees, and miscellaneous supplies needed for the project. Date of the event will be determined in late April or early May, depending on number of participants

Information and registration is available at <https://w8wky.org/spring-2024-build-project-handi-finder/>.

SARA's intention is to hold a fox hunt soon after the build to put these to good use!

Thanks to Billy Guttliet, KE8HJN for the fox hunt image.

Back by Popular Demand, the Amateur Radio Meet and Greet Potluck!

The Amateur Radio Meet and Greet last year was such a success that folks said they wanted another. This year's event will be Sunday, August 4 from 1:00 to 4:00 in the Cottonwoods Picnic Area Pavilion, located on the Valley Parkway of the Cleveland Metroparks. It's the same place

we were in last year. Thanks to Sara Torok, KC8KSU for quickly reserving the pavilion. Stay tuned for more information concerning what food to bring, and other important things to know.

NOARS Winter Hamfest a Big Success

A big shout-out goes to helpers for their part in making the hamfest a success. Eric, KE8VZA for ticket sales; Paul, KE8WHG for set-up, tear down, and fill-in; John, W8LYO for set-up and ticket sales; Janeen Dolinar for 50/50 sales; Ann, KA8ZEP for 50/50 sales; Josh, KE8YUG and Marie, KF8ANS for the talk-in station; Dan, W8AJF and Chuck, K8CVM for being MCs; Chris KE8MMY for signs; Tom, W8KYZ for being Liaison with LCCC; Carl W8KRF for being Liaison with LCCC, set-up, tear down, ticket and table sales. A special thank you goes to Dr. Jack, N8NDL for donating a Compactenna 2Meters/440+ to NOARS for a door prize. For more information about Dr. Jack's antennas, go to <https://compactenna.com>.

Despite the cold and windy weather, folks attended the hamfest in record numbers. Total tickets sold was 207, 42 tables were sold. Other clubs that bought tables included Lorain County Amateur Radio Association and Alliance Amateur Radio Club. Thanks to those clubs for being there!

Four new members signed up at the hamfest: Spiro Vamvakas, KE8NUN. As noted previously, joining us from the Winter Hamfest VE Session were Gary Smith KF8ANR, Marie Obergas KF8ANS and Steve Millar KF8ANT. Three membership renewals were Bill, KB8FU; Bill KB6ZNR; Linda, KG4GSF.







April Birthdays

Allen Higgins, KE8KZO
 Bryan Waltz, W8JMI
 Dan Stauffer, K8KGX
 David Semanik, K8WRS
 Stephen Millar, KF8ANT
 Tom Miller, W1PD

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 18, 2024 Membership Meeting Attendance

In Person		Dan	W8AJF	Rich	KE8YUP	Bob	W8NNC
Bill	N4NZZ	Elaine	KC8FOS	Ron	N8OD	Chris	KE8MMY
Bill	K2WJS	Eric	KE8VZA	Sara	KC8KSU	Chuck	K8CVM
Bill	KE8WHP	Gordon	AI8Y	Steve	KF8ANT	Jeany	KC3QND
Bob	W8OOT	Jim	N8DST	Tom	W1PD	Mark	KG4SCK
Bryan	W8JMI	John	W8LYO	Tom	N8FDY	Pete	KE8NQK
Bryan	N8OOF	Joshua	KE8YUG	Tom	W8KYZ		
Carl	W8KRF	Marie	KF8ANS	Via Zoom			
Connie	K8CCS	Paul	KE8WHG	Andrew	KE8WMS		

Heard on the Nets in March

Ann, KA8ZEP	Connie, K8CCS	John, W8LYO	Paul, KE8WHG
Bill, N8JET	Dan, K8AGW	Josh, KE8YUG	Pete, KE8NQK
Bill, K2WJS	Dan, W2DLB	Ken, W8KH	Rich, KE8YUP
Bill, N8WS	Elaine, KC8FOS	Kenyon, KK7HGW	Ron, N8OD
Bob, W8OOT	Eric, KE8VZA	Marie, KF8ANS	Scott, KE8VOX
Bryan, W8JMI	Fred, N8AHS	Mark, KC8FQV	Stephen, N8WB
Carl, W8KRF	Gordon, AI8Y	Mark, KG4SCK	Steve, KF8ANT
Chris, KE8MMY	Janice, W8MTR	Mike, W8TTF	Tom, N8FDY
Chuck, KB8LJ	Jeany, KC3QND	Nathan, KE8YWD	Tom, WK8H
Clark, N8PZD	Jim, KD8OCW	Nick, KD8SLG	Tom, W8KYZ

April, 2024

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

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

Chuck Dial, KB8LJ's Mobile, not Mobile (as in a car) Antenna

U-bolts, wire nuts, polypropylene twine, 10-gauge aluminum wire, clip on ferrite rings, and RG-58 feed line are the magic ingredients comprising this 2 meter antenna, which hangs from Chuck's ceiling. Those odd parts all have their place in this decorative Calder mobile. The antenna's driven element is a j-pole. This keeps the feed line away from the antenna's radiating elements. The elements on either side of the j-pole are passive. 2 mm u-bolts attach an adjustable tuning stub to the end of each element. Wire nuts attach the suspending polypropylene twine to each element. The sharp bottom ends on the passive elements are covered by wire nuts. The wire nuts also add some capacitive loading.

The short (6 foot) feed line attaches to the j-pole's quarter wave matching stub 4 cm up from the stub's bottom using two 2mm U-bolts. After adjusting the element lengths and the quarter wave matching stub, the SWR is under 1.2 to 1 on 146.5 megahertz.

The final touch is 2 clip-on ferrite rings on the feed line at the j-pole matching stub's feed point. This blocks common mode current from the transmission line. If not blocked, those stray currents would reduce radiated power and alter the radiation pattern. Unfortunately, this antenna cannot be rotated without redesign.



Fox Hunt Antenna Build: Educational and Great Fun

Most of those attending built, or got a good start building a tape measure Yagi fox hunt antenna. After a demonstration of fox hunting techniques, everyone got a

chance to hunt and find the fox. Things ended around 5:30.







Some NOARS Members Doing POTA in March

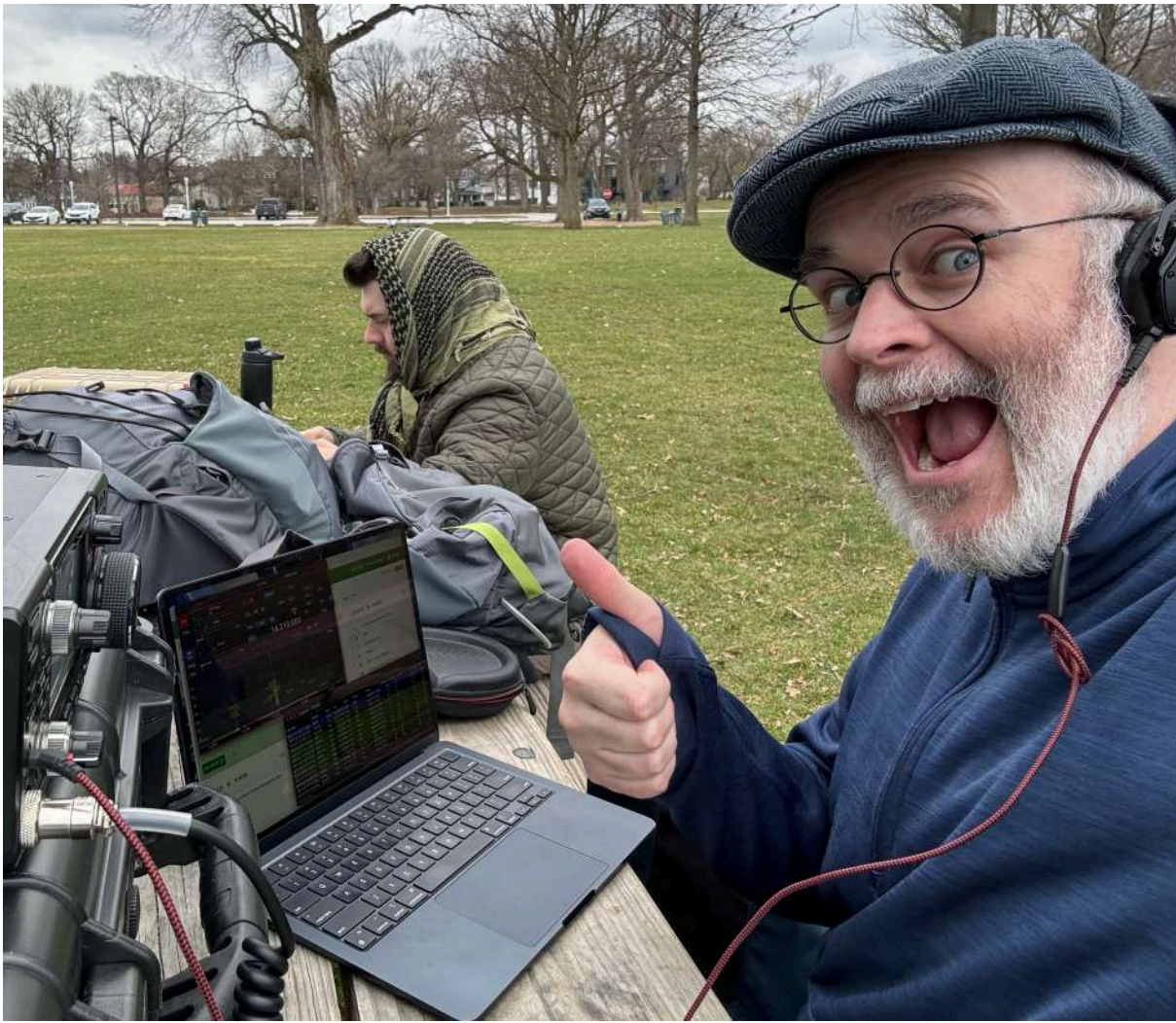
Will, KE8WHM and Andrew, KE8WMS did POTA on a chilly March 8. To quote Andrew, “Will and I got a whopping five contacts doing POTA down at Edgewater this afternoon”. Will went so far as to wrap a scarf around his head to stay warm. Smart man.

Ann, KA8ZEP and Dan, W8AJF went to Grand River and Nelson’s Ledges March 12. They both used FT8 and later Dan used CW for contacts, actually contacting Tom

Miller, W1PD on 20m CW.

If you would like to have your POTA activation information in the NOARS Log, send it to the editors: Tom at thomaswilkinson@gmail.com or Elaine at ewilkinson1951@gmail.com. If sending photos, please email them to the above addresses as jpg.









March Weekend Lunch

Twenty of us were at Blue Sky Restaurant in Elyria for good food and company. The next Weekend Lunch will

be Saturday, April 13, at the same time and place. 12:30 at 802 Cleveland St., Elyria.





Sixteen at NOARS March Tuesday Lunch

Tasty food, good company, what's not to love? Join us for the next Tuesday Lunch on April 2. Noon at Golden Corral on West River Rd. in Elyria. All are welcome. Always.





NOARS Membership Meeting Minutes

March 18, 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: 31 (24 attended in person; 7 attended via Zoom).

There was no Pledge of Allegiance as there was no flag in the room.

Introductions and roll call of all in attendance.

A motion to accept the February meeting minutes as published in the NOARS Log was made by Josh KE8YUG; Seconded by Paul KE8WHG. Minutes accepted.

COMMITTEE REPORTS:

Treasurer's Report – Eric KE8VZA

Deposits: \$53 from PayPal which were dues; and \$1,826.50 from the Hamfest. 207 tickets were sold.

Expenses: Windstream internet of \$80.07.

A motion to accept the treasurer's report was made by Carl W8KRF; seconded by Tom W8KYZ. Treasurer's report was accepted.

Membership – Carl W8KRF – We gained five new members, three were from the March VE test. Membership is at 122.

Website – Carl W8KRF – The website is up to date.

Repeater – Carl W8KRF – No change.

Club Property – Carl W8KRF – No change in club property. The club's FTM100 was used for the Hamfest by Josh KE8YUG and Marie KF8ANS for the call-in station.

Field Day – Carl W8KRF – There is a joint committee for Field Day. We are working with LCARA on this event on Zoom within the next week. We would like to see more NOARS working on this event.

Social Committee – Elaine KC8FOS

NOARS Tuesday Lunch is April 2 at noon, Golden Corral in Elyria. Everyone is welcome.

NOARS Weekend Lunch is April 13 at 12:30, at the Blue Sky Restaurant, 802 Cleveland, Street. Elyria, Ohio.

The first Fox Hunt of 2024 will be April 20. Location to be determined.

POTA / IOTA (Islands on the Air) on Kelleys Island on June 1, 2024, 9:00 a.m. You can get your vehicle to the island on the ferry. You can camp, stay in the local hotel, or you can just hang out for the day. More information to come.

Programs – Paul KE8WHG – The April program will be presented by Bryan N8OOF and Sara KC8KSU, "Fox Hunt Tips and Tricks."

Sunshine – Tom W8KYZ – No information on anyone being in the hospital or ill. We received a thank you card from Mrs. Earl Jolly.

Nets – Jeany KC3QND – Nets have been good. Word is getting out more with net controllers helping out with other nets, passing the word on and it brings more people in.

Newsletter – Tom N8FDY - The deadline for articles, photos, etc. is five days before the end of the month. 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 him.

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

Continued on page 23

Continued from page 22

board consists of the current officers, the past president and two invitees. The board would like to add another member to the board for a total of three invitees to get more membership input during the board meetings.

A vote was held regarding the Amendment to the Constitution at the February meeting. A second vote is needed. A Motion to have a vote on the proposed Amendment was made by Tom W8KYZ; seconded by Eric KE8VZA. A vote was held and the motion was passed. A second vote on the proposed Amendment to the Constitution will be held at the April meeting. The results will be published in the May newsletter.

No New Business.

Makers Event - Andrew KE8WMS - on March 23 at 2:00 p.m. at the Cleveland Makers Alliance. Fourteen people have registered to far. The website has more information. Once you register you will receive a shopping list of items.

Motion to Adjourn the meeting was made by Dan W8AJF; seconded by Bill K2WJS. The motion passed.

Meeting Adjourned at 7:21 p.m.

Presentation – Andrew KE8WMS – Skywarn.



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

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- **NEW** – Stop by and see our new 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 Tom, W8KYZ

Superscope PSD-230 Professional CD player. \$110.00 or OBO.

Microphone on stand for PC computer or laptop. \$7.00.

Icom HM-14, 8-pin microphone. \$25.00

Canon 10 digit business receipt calculator model PI-DH w/batteries. \$15.00

Larson mobile antenna parts. Coils 2m/220m/2-440m. Ground foil, rubber gaskets. Make an offer.

Regency Model P109. 13.8/4A regulated power supply. \$10.00.

Acco 3-hole paper punch. \$5.00

Magnavox VCR. VR3440. Records and plays back. \$25.00.

Amphenol 74868 UG-680 clamp plug. New. Make an offer.

Five transceiver mobile mounts. Make an offer.

ARRL 2010 Repeater Directory. \$4.00.

Four mobile microphone metal hooks/holders. New. \$2.00 each.

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

Free Manuals by Tom, W8KYZ

Elimination of Electrical Noise by "Radio Today" Don Pinnock, G3HVA. 64 pages. \$15.00

ARRL Vertical Heathkit PK-1 Scope Probe, AA-151 Stereo Amplifier, ID-1590 Wind speed indicator

Alinco DR-605T 2/440 Transceiver

Icom IC 746 Pro Transceiver, SM-8 desk microphone, IC-28A 2 meter transceiver

Kenwood TR-7400A 2 meter transceiver, IF-10A/B/C Instruction manual

National NC-125 receiver manual

EF Johnson Viking Challenger Transmitter operating manual

Regency HR-2B 2 meter transceiver

HR-2B Service Manual

Yaseu SP-401P Instruction manual

FTV-650B 6 meter transceiver manual

FT-101B Transceiver

Contact Tom 440-320-5523 or tporter161@oh.rr.com Classics 120 pages. Edited by Robert Schetgen, KU7G.

1st edition. \$5.00

ARRL Handbook, 2010, including Handbook CD. New. \$15.00

ARRL Antenna Compendium, Volume 2. 210 pages. \$5.00

ARRL Pocket Reference. New. 864 pages. \$5.00

73 Dipole and Long Wire Antennas. Edward Noll, W3FQJ. 160 pages. \$5.00

ARRL Antenna Anthology. Reprint of QST Articles – Theory Presentations. 151 pages \$5.00

21 Things to do after you get your radio license. Dan Romanchik, KB6NU. 73 pages. \$5.00

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

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.

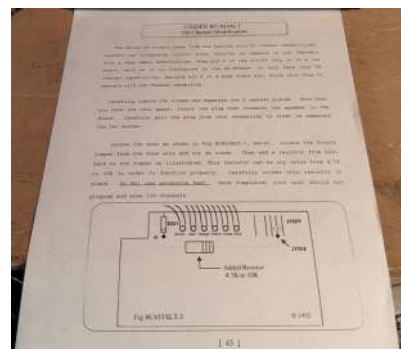


Icom IC-4AT, 70 centimeter HT with Comm Spec CTCSS encoder. Includes desktop charger, speaker mic, adioShack VOX module, battery extender with belt clip and various NiCd batteries. \$40



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!



Multimeters For Sale by Tom, N8FDY

Contact Tom. 216.409.1886 or email: thomasfwilkinson@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