



NOARS Log



September 2020

K8KRG

Volume 56, Issue 9

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Prez Sez

It definitely was different to have a membership meeting in August rather than our always-anticipated annual picnic. The video of our meeting and the presentation by Bob, W8NNC, is available on the website in the Members Only section. I personally miss the great dishes that members shared and the social interaction we all experience at the picnic. Hopefully, by this time next year this virus will be history and we can return to our "normal" activities. Even, prior to that, I am crossing my fingers that we can have our Winter Hamfest in March. It will be a few more months, at least, before we will know what we can expect from LCCC. We are still on their schedule, but the CDC and the State of Ohio protocols will be the deciding factors.

It was great to see the turnout at our last Fox Hunts. I wonder if any of you took

the time to watch the ARRL webinar on the subject. It is or will be available for viewing on the ARRL website. It was very informative. Unfortunately, our Fox Hunt scheduled for August 29th had to be canceled due to Laura's invasion of our area with her remaining winds and rain. It has been rescheduled for September 5. Join us.

We are rapidly approaching that time of our calendar when we will be nominating and electing a president and vice present as prescribed by the recently amended constitution and by-laws. It's time to consider who you would like to take the reins and take NOARS forward.

Everyone, take care. Until next month, be safe and 73,

Carl W8KRF

September Membership Meeting Program

10 GHz and Above

Tony Emanuele, K8ZR, will present Activity Near You, 10 GHz and Above. You might recognize K8ZR as the contributing editor of CQ Magazine's column, "VHF Plus".

September 21, 2020 Virtual Meeting on Zoom at 7 PM



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.

Vice President's Message

Well, we are at the end of summer, and so far it has been a year that we all want to forget. While we have survived, it has not been pleasant nor fun. While masks, physical distancing, and Zoom meetings are required/needed, they are not business as usual, nor fun, nor normal. Things have gone fairly well with all we have attempted because our fearless leader Carl, W8KRF, has worked hard along with help from many others. As

many know, I have not been happy with some things, but being more cautious has maybe been a prudent course of action for the group as a whole. It is my expectation that we can resume normal operations within the next couple of months, at least by Nov/Dec 2020. Of course, some will want to continue for many more months. I don't believe this is needed, nor desirable. We need to get to something close to normal!!!

Bob, W8RET, is Recovering from Surgery

Bob Tome, W8RET, had shoulder surgery several weeks ago. He is recovering in Life Care Center of Elyria, 1212 S. Abbe Rd, room 308. He would like to hear from NOARS members, so if you can, please call Bob at 440-309-1198. If there is no answer, he is probably receiving physical therapy. He can receive no in-room, in-person visitors. However, an alternative is visiting

through his window to the outside, via cell phone. At least you and he can see each other as you talk. If you call Life Care at 440-365-5200, staff will direct you to his wing and let Bob know you are there. Bob says a multi-color flower is hanging on a shepherd's crook outside his window. Thanks to all who can help out.

FCC Proposes to Reinstate Amateur Radio Service Fees

From ARRL web site.

Amateur radio licensees would pay a \$50 fee for each amateur radio license application if the FCC adopts rules it proposed this week. Included in the FCC's fee proposal are applications for new licenses, renewal and upgrades to existing licenses, and vanity call sign requests. Excluded are applications for administrative updates, such as changes of address, and annual regulatory fees.

The FCC proposal is contained in a Notice of Proposed Rulemaking (NPRM) in [MD Docket 20-270](#), which was adopted to implement portions of the "Repack Airwaves Yielding Better Access for Users of Modern Services Act" of 2018 — the so-called "Ray Baum's Act."

Go to <http://www.arrl.org/news/fcc-proposes-to-reinstate-amateur-radio-service-fees> for the rest of the story.

ARRL Elects New CEO

The ARRL Board of Directors has elected David Minster, NA2AA, of Wayne, New Jersey, as ARRL's new Chief Executive Officer, starting on September 28. Minster is currently Managing Partner at Talentrian Partners, a management consulting firm serving the consumer goods and luxury goods industries... Minster will succeed Barry

J. Shelley, N1VXY, who was CEO in 2018, and who has been serving as ARRL's Interim CEO since January 2020. Shelley had been ARRL's Chief Financial Officer since January 1992. For the full article go to <http://www.arrl.org/news/board-of-directors-elects-new-arrl-ceo-david-minster-na2aa>

Upcoming Social Events

September

Virtual NOARS Lunch Tuesday, September 1

Join us on **Zoom at noon** for our Virtual NOARS lunch.

Gathering of Family and Friends

Join us at **Golden Corral in Elyria on Thursday, September 3 at noon**. The restaurant takes precautions to keep customers and staff safe. This does not replace the NOARS Tuesday Virtual Lunches but is in addition to them. Please let Elaine, KC8FOS, know if you will join us. ewilkinson1951@gmail.com or call 216-337-4235.

Fox Hunt, September 5

There will be a Fox Hunt Saturday, September 5 at 11 AM at the Cottonwood Picnic Area of Cleveland Metroparks. We expect to have two foxes, which will make this a little more challenging, and a whole lot of fun. You do not have to have a license to participate. All are welcome.

New NOARS Net Control Stations

George, WA8YVF and Dan, W8AJF accepted invitations to be net control stations on the NOARS 10 meter net. George will be the NCS the third Tuesdays and Dan will

be the NCS the fourth Tuesdays. Thanks to both for helping the club this way.



George, WA8YVF



Dan, W8AJF

Food Group Net

The Food Group is held every Wednesday evening on the 146.700 repeater at 7 PM. The conversation is not just about food – we talk about many things, including

amateur radio issues, books, tales from our childhoods, current projects, family happenings, and more. We hope you can join us.

September Birthdays

John Molloy, KA8VTV

William Davis, KD8BBI

Fred Heyse, N8AHS

Chet Roberts, K8KIZ

Clark Beckman, N8PZD

Stephen Kaplan, WA0DVY

Tom Wilkinson, N8FDY

Jim Grimes, KD8OCW

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!



August 17, 2020 Membership Meeting Attendance

Dave, W1AFC

Dan, W8AJF

Al, N8CX

Tom, N8FDY

Elaine, KC8FOS

Harold, K8HRD

Roger, AB8IF

Robert, WA8JBT

Carl, W8KRF

Tom, W8KYZ

Bob, W8NNC

Dave, KY8OSU

Tom, W1PDI

Tom, K1TRB

Bill, K2WJS

Bill, N8WS

Ann, KA8ZEP

Heard on the Nets in August

Dan, K8AGW

Fred, N8AHS

Dan, W8AJF

Rich, KD8AJZ

Steve, W8ANJ

Rich, W8CAC

Jason, KN4CAD

Chuck, K8CVM

Tom, N8FDY

Lee, WA8ERA

Elaine, KC8FOS

Chris, KD2HCE

Roger, AB8IF

Bryan, W8JMI

Dan, K8KGX

Chet, K8KIZ

Carl, W8KRF

Alex, KD8KWO

Tom, W8KYZ

Rick, KD8LQU

Dave, KD8MXE

John, KE8MXX

Jeff, KE8NNW

Pete, KE8NQK

Jim, KD8OCW

Ron, N8OD

Michael, KE8OLR

Bryan, N8OOF

Dave, KY8OSU

Tom, W1PDI

Bill, W8PKT

Alan, KF8PM

Russ, WB8UPA

Bill, N8UPZ

Bill, K2WJS

Bill, N8WS

Leon, KB8WUA

George, WA8YVF

Ann, KA8ZEP

September 2020

Sun Mon Tue Wed Thu Fri Sat

		1 10M Net 8 PM - NCS Elaine, KC8FOS Zoom Lunch at Noon	2 Food Group 7PM 2M NCS Elaine, KC8FOS	3 2M Net 8 PM NCS Elaine, KC8FOS Gathering of Family and Friends at Noon	4	5 Fox Hunt 11 AM
6	7	8 10M Net 8 PM - NCS Tom, W8KYZ	9 Food Group 7PM 2M NCS Dave, KY8OSU	10 2M Net 8 PM - NCS Tom, W8KYZ	11	12
13	14	15 10M Net 8 PM - NCS George, WA8YVF	16 Food Group 7PM 2M NCS Elaine, KC8FOS	17 2M Net 8 PM - NCS Carl, W8KRF	18	19
20	21 NOARS Zoom On Line Meeting 7 PM	22 10M Net 8 PM - NCS Dan, W8AJF	23 Food Group 7PM 2M NCS Dave, KY8OSU	24 2M Net 8 PM -NCS Dave, KY8OSU	25	26
27	28	29 10M Net 8 PM - NCS Carl, W8KRF	30 Food Group 7PM 2M NCS Elaine, KC8FOS			

Fun for All at Fox Hunt August 22

Eleven hunters gathered at Willow Bend Picnic Area of the Cleveland Metroparks. Check for emails from NOARS for information concerning future fox hunts. All

are welcome. An amateur radio license is not needed to hunt the fox.





Tom, W1PDI and the 13 Colonies Event

Tom, W1PDI, participated in the ARRL's Annual 13 Colonies Event. He made 6 or 7 contacts of the potential 13 within an hour after he started listening. He stuck at it and ended up making contacts with each state within 4

or 5 hours.

Here's a link to the 13 Colonies event for more information: <http://www.13colonies.us/>



Would You Like to Build a Fox Hunt Antenna?

If you would like to build a simple tape measure antenna with which to hunt the wily beeping fox, go to Tape Measure Yagi Beam Antenna - Ham Radio Q&A, by Michael, KB9VBR. The URL is

<https://www.youtube.com/watch?v=BmHoQrDfw-0>

You will be able to hunt the fox more easily if you have an attenuator. There are plans to build one online, as well as sources to buy one. They are not expensive.

Original 13 Colonies Special Event - Certificate Request Log Sheet

	DATE	UTC	FREQ	RS(T)	MODE
K2A - NY	20200703	2057	7	59	SSB
K2B - VA	20200704	0012	7	57	SSB
K2C - RI	20200704	0106	7	59	SSB
K2D - CT	20200704	1704	14	599	CW
K2E - DE	20200703	2031	7	599	CW
K2F - MD	20200703	2018	7	599	CW
K2G - GA	20200703	1942	14	59	SSB
K2H - MA	20200703	2345	7	59	SSB
K2I - NJ	20200703	2056	7	59	SSB
K2J - NC	20200703	1926	7	599	CW
K2K - NH	20200703	1924	7	599	CW
K2L - SC	20200703	1937	14	599	CW
K2M - PA	20200703	1922	7	599	CW
WM3PEN	20200704	0058	3.5	59	SSB
GB13COL	20200704	0049	7	59	SSB
K2Z Bonus Station					

ENDORSEMENTS ALL QRP VET AMER. LEGION NRA VFW CW

W1PDI@Arri.net

WE REQUEST A DONATION OF \$5.00, CASH, CHECK, OR MONEY ORDER MADE PAYABLE TO:
 KEN VILLONE - KU2US

PLEASE SEND YOUR REQUEST TO: KEN VILLONE - KU2US PO BOX 185 CONESUS, NY 14435-0185

NAME CALL SIGN
 ADDRESS CITY
 STATE / PROVINCE / COUNTRY ZIP/MAIL CODE

WE HOPE YOU ENJOYED THE SPECIAL EVENT.PLEASE HAVE A HAPPY INDEPENDENCE DAY!

Tom, W1PDI and the 2020 Virginia QSO Party

Tom, W1PDI, won an award for being among the top five scoring Ohio hams during this year's Virginia QSO Party.

2020 Virginia QSO Party
The
Sterling Park Amateur Radio Club
Thanks
THOMAS F MILLER, W1PDI
3RD HIGH OHIO CW LOW POWER
SCORED 893 POINTS. CONTACTED 19 VIRGINIA COUNTIES & INDEPENDENT CITIES.

*for promoting amateur radio activity
in Virginia's 95 Counties and 38 Independent Cities
through enthusiastic participation in this annual event.*

ALEXANDRIA RADIO CLUB
For over 65 years the Alexandria Radio Club has been a model of service to the Alexandria community while proudly representing amateur radio throughout the DC Metropolitan area. Find us at www.W4HFH.org.

Interesting Link from Chet, K8KIZ

Eavesdropping on Satellites for Fun and Profit.

Chet, K8KIZ, found this extraordinary video with mind-blowing information. And, be sure to note the age of the

presenter. Amazing.

<https://hackaday.com/2020/08/20/eavesdropping-on-satellites-for-fun-and-profit/>

August 17, 2020 NOARS Membership Meeting Minutes

Submitted by NOARS Secretary Elaine, KC8FOS.

The meeting was held over Zoom.

Seventeen people were in attendance.

The meeting was brought to order by club president Carl, W8KRF, at 7:09 PM.

A motion to accept the July meeting minutes, as they were published in the newsletter, was made by Carl, W8KRF, seconded by Roger, AB8IF. The motion passed.

Treasurer's Report: Balance reported. Windstream was increased to \$72.25 a month, due to increase in fees and taxes. There were no questions. Bob, W8NNC, made a motion to accept the Treasurer's Report, seconded by Dave, KY8OSU. The motion passed.

Club Property: Tom, W1PDI. No change. Dan, W8AJF advised after the Treasurer's Report that he has the club's SWR analyzer. He received it from Dave, KY8OSU and will return it after he gets one more antenna done.

Repeaters: Carl, W8KRF. Carl will go out to the repeater site and make sure everything is OK. A complaint was received concerning the power. Tom, W8KYZ, noting how hot it gets in the repeater area in the summer, asked if the heat could affect the repeater. Carl responded it could affect the amplifier and the repeater itself.

Website: Carl. Up-to-date. Posted new card of Harold, K8HRD.

Membership: We currently have 83 members. No new members joined in July.

Social Committee: Elaine, KC8FOS. Reported on the fox hunt on Saturday, July 25. Eleven people attended. Next fox hunt will be Saturday, August 29 at Cottonwood Picnic Area in the Cleveland Metroparks. There will be two foxes. Gathering of Family and Friends will be Thursday, September 3 at Golden Corral in Elyria at noon. Zoom Lunch will be Tuesday, September 1. Carl will send an email concerning the Zoom Lunch.

Programs: Elaine. September – Tony Emanuele, K8ZR presenting Activity Near You, 10 GHz and Above. In October Al, N8CX, will present an update on QRP.

Hamfests: Tom, W8KYZ called Jose at LCCC. We are on the books for Sunday, March 7, 2021. We will make a decision to have the hamfest or not, closer to the date. We are getting closer to having a vaccine. Tom, W8KYZ will contact ARRL and get the hamfest listed on their website.

Sunshine: Tom, W8KYZ. Bob Tome, W8RET, had shoulder surgery and is doing OK. Bob did not receive the card Tom, W8KYZ sent, but can send another. Jim, WA8UGC passed away. He had been heavily involved in Pumpkin Patrol. Dave, KY8OSU, advised of the viewing, which was not a drive-through, but inside.

Nets: Elaine. Nets are going well. We have two new Net Control Stations on 10 meters: Dan, W8AJF the fourth Tuesday of each month, and George, WA8YVF on the third Tuesday of each month.

VE Testing: None. Has been put on hold. Carl, W8KRF and Tom, W8KYZ advised of a speaker from a university, who spoke on a recent QSO Today expo about freshmen who had to get an Amateur Radio License as part of electronic engineering. The speaker had tested around 100 students remotely. The talks are still available online until some time in September.

Newsletter: Tom, N8FDY. Please submit items by August 26th, including things for sale.

Adjournment: Motion to adjourn the meeting was made by Tom, K1TRB, seconded by Al, N8CX. The motion passed. Meeting was adjourned at 8:30 PM.

Another Interesting Link from Chet, K8KIZ

Here's a clever idea for hams who enjoy CW. It takes the place of a more expensive audio equalizer. Impressive

performance for a couple of bucks:

<https://www.youtube.com/watch?v=Ha1nOo2KXJE>

Help Make the Log Great

The NOARS Log editors greatly appreciate submissions received over the years. However, we could always use more. These could include an article you've read or would like to write, an upcoming event you've heard of, information about a project you're working on or other

hobbies you have. How about photos you would like others to see? In short, please send us information about things you find interesting. You can also let us know about the sorts of things you'd like to see in the Log. Send them to noarslog@noars.net.

Looking for a good deal?



Free Tubes from Tom, W8KYZ

If anyone is in need of tubes let Tom know. He will be disposing of his collection very soon. Yes, they are free.

Call or email Tom ASAP.

Tom, W8KYZ. 440-320-5523. tporter161@oh.rr.com

Free from Tom, W8WLI

Cushcraft ATB – 34. Four-element beam for 10, 15, and 20 meters. Beam needs work on trap covers and is on the ground. With a little TLC a great bargain because it's free.

shortwave bands. Will probably need to have some capacitors replaced to become operational. Yes, it's free also.

Contact Tom, w8wli@yahoo.com.

Hallicrafters WR-2000 receiver. Covers AM, FM, and two

Free from Harold, K8HRD

Mosley TA-33 Beam Antenna (10/15/20). Must take down from tower.

Contact Harold at 440-322-3770.

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.

We're Here for Your Ham Radio Needs

The Showroom is Temporarily Closed to Walk-in Customers, But You Can Still Place Your Orders & Pick Them Up at the Curb.

- 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.

Please note that the Summit Racing portion of the store is open. If you know your DX Engineering part number, you can place your order directly in the store and pick it up there.

We look forward to seeing you!

DXEngineering@DXEngineering.com

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



CELEBRATING
20 YEARS
2000-20

DX
ENGINEERING

For Sale from Tom, W8KYZ

Icom 28-H, VHF transceiver. 5/45 watt. Manual, HM-14 mic., mobile mount, MARS modified, power supply cable. \$75.00 obo.

Diamond Discone D-130-J wide band base antenna, 25 – 1300 mhz., hf/uhf/vhf. \$65.00 obo.

Life Gear 6 in 1 Personal Safety Device. Flashlight, FM, signal flasher, compass and more. No batteries to replace. Hand crank power. Great for emergencies. New. \$20.00

MFJ-4432 digital voltmeter on cigarette lighter plug. 8-30 volts dc. NEW. \$10.00

MFJ-1717S rubber duck dual band antenna for HT with SMA connector. \$15.00

Uniden PRO-538W 40 channel CB radio + WX + PA. Manual, mobile mount. \$30.00

Contact Tom, W8KYZ. 440-320-5523 or tporter161@oh.rr.com

George Farris, K8NXI SK, Gear for Sale

There are many items. Included are:

Kenwood TS-2000

Yaesu FT-817

Yaesu FT-221

Yaesu VX-5R

Power supplies

Rotator

Speakers

Bird 43 wattmeter with slugs

Miscellanea such as keyer paddles, antennas, books

For a complete list of items, contact Pam Farris at 330 488 4783 or E-mail at gfarris1@neo.rr.com.

It is all located in North Canton.

For Sale by Tom, W8KYZ

Bird 43 Wattmeter Elements

25w....400-1000MHz

100w....25-60 MHz

100w....100-250 MHz

100w....400-1000 MHz

\$40.00 each

Power Supplies

Daiwa PS14011 10amp. \$30.00

Herald BA-45A 4 amp 10.00

Sharp AD112 12v dc, 60 Hz, 40 watt. \$10.00

Antennas

Larsen 2 Meter LM-MM mag mount and LM-150 coil. 5/8 wave. \$40.00

Larsen 10 Meter NMO-MM mag mount and NMO-27 coil. \$40.00

Larsen Antenna "grab bag". Includes three NLA 220 coils/1 LM-150 coil/other parts. \$25.00

MFJ-1717S 2/440 HT antenna with male SMA connector. 15" long. \$20.00

2 meter J-pole. \$5.00

New VHF Yagi vertical: Nil-Jon HD-146-V3-U. Assembled. \$30.00

K40 CB mag mount with antenna. \$40.00

2 meter Expert Power HT antenna. SMA connector. \$3.00

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

For Sale by Dave, WV8P

Icom 703, QRP rig. Does not have six meters. 250 Mhz filter installed and a 500 Hz to install later.

Automatic tuner with an extra cable to use if installing it in a car.

Samlex power supply.

All items are in a hard case, ideal for travel. \$500

Contact Dave, WV8P at wv8p@roadrunner.com

Prices Lowered by Harold, K8HRD

Complete Icom Station:

IC-746PRO. 10-160 meters, 6 and 2 meters. 100 watts

IC-125 25 amp matching power supply

IC-21 matching speaker.

Original boxes, manual, mic.

\$850, or best offer.

Icom IC-2100H. 5/10/55 watt. Manual, original box, mobile bracket. Receives 136-174 MHz. Transmits 144-148 MHz. \$55.00, or best offer.

AmeritronRCS-8V. Remote 5-antenna coax switch using 1 coax to transceiver. Includes 48 ft of 8 conductor hookup wire and 28 ft of RG213U coax. \$150.00.

Contact Harold, K8HRD at 440-322-3770.

Tower and Antenna Parts for Sale

Tim Holmes' tower with antennas came down in a tornado in Medina county. He would like to sell undamaged and salvageable items:

- Twenty feet of undamaged tower sections
- Ten-foot tower section, slightly bent at the bottom
- Rotor (believes still works)
- Parts of a broken mast which may be salvageable
- Possibly salvageable parts of a 6-meter beam antenna
- 3-element tribander with some bent elements which could be salvaged and rebuilt, or made into rotatable dipoles
- Fragments of a 2-meter beam
- A tiny 440 beam which has never worked
- Rotor controller
- Other sections of tower of unknown type
- Rotatable dipole
- Bunch of cables
- Big box of assorted ham stuff.
- Tim is asking \$200 or best offer for the lot of it. He's carefully taking the pieces apart so they should be in decent shape. You will need to pick it up

Contact Tim via e-mail: taholmes160@gmail.com

For Sale by Sandy, W8KYS

Hallicrafters S-40A Receiver. All band and continuous tuning. Has been recapped. Best offer.

Hy-Gain Tailtwister Rotor. Rebuilt by C.A.T.S. \$275.00.

Contact Sandy, W8KYS, 440-647-2255.

Estate sale, Ron, W8GMH SK

Contact Bob Adornetto, 440-382-6710, mrhoop01@sbcglobal.net

Mostly all the equipment has manuals located in top lid or small file cabinet next to the tall cabinet.

Ameritron AL-1500 amplifier with EBS-1 add on board with manual: \$2000.00

Yaesu FT-990DC transceiver with 250 cycle filter and manual: \$600.00

Yaesu speaker SP-6: \$90.00

Heights 40ft alum crank-over tower with mast and rotor shelf: \$450.00

Hy-Gain antenna TH6DXX, must remove from tower: \$175.00

Hy-Gain Ham IV rotator & rotor box with upgraded cable connector, must remove from tower: \$150.00

Heathkit SA-2060 ant tuner: \$175.00

Drake W-4 wattmeter: \$60.00

Heathkit DX-100 (works, needs fuses in plug): \$50.00

Heathkit AT-1 (works) (collectable): \$75.00

Icom power supply IC-PS30: \$125.00

Ameritron antenna switch RCS-4 with connector box under patio awning: \$50.00

Alinco 2m/440 transceiver DR-590 with separation kit: \$100.00

Alinco 2m/440 transceiver DR-590 (2nd one): \$75.00

Kenwood 2-meter transceiver TR-7800: \$40.00

Kenwood 2-meter transceiver TR-7800 (2nd one): \$40.00

Heathkit antenna tuner AC-1 (collectable): \$50.00

Heathkit wattmeter HM-2140 (collectable): \$40.00

Heathkit wattmeter HM-2141 (collectable): \$40.00

Heathkit swr bridge AM-2 (collectable): \$20.00

Yaesu microphone MD-1 with eil HC-4 DX

Dream machine cartridge: \$100.00

Cushcraft R-7 vertical antenna hanging up in garage as a bundle: \$100.00

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: CWp-ins05@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: Dave, KY8OSU

Secretary: Elaine, KC8FOS

Treasurer: Tom, W8KYZ

Others: Bob, W8NNC, Tim, NC8X; Tom, N8FDY

Others

Net Manager: Elaine, KC8FOS

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

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, except August and December, 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, Wednesday nights at 7 pm on 146.700 MHz, and Thursday nights at 8 pm. on 146.700 MHz. All licensed amateurs are welcome.

Committees

Parliamentary Committee: Tom, N8FDY

Repeaters: Carl, W8KRF; Tim, NC8X

Field Day: Al, N8CX

Hamfest:

Sunshine: Tom, W8KYZ (temp)

Membership: Carl, W8KRF

Club Property Committee: Tom, W1PDI

Program Committee: Elaine, KC8FOS; Joe, W8DYZ;
Bob, W8NNC; Dave, KY8OSU

Social Committee: Elaine, KC8FOS; Dave, KY8OSU;
Ann, KA8ZEP

Public Relations Committee:
Dave, KY8OSU; Elaine, KC8FOS



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.

Net Control Stations

Elaine, KC8FOS

Carl, W8KRF

Tom, W8KYZ

Dave, KY8OSU

Dan, W8AJF

George, WA8YVF