



# NOARS Log



December 2020

## K8KRG

Volume 56, Issue 12

### Table of Contents

President's Message	1
Vice President's Message	2
News	3
Social News	4
Birthdays, Heard on the Nets	5
Calendar of Events	6
Member Highlight: William J Sheehan Jr. (Bill) K2WJS	7
November Meeting Minutes	8
For Sale	10
NOARS Information	14

## Prez Sez

2020 is coming to an end. Thank goodness! This has been a year that will be recalled as one that will never be forgotten. It will definitely be highlighted in the history books. Hopefully, 2021 will bring back calm, civility, good health, and peace. I am penning this a few days before Thanksgiving. I hope you will have a pleasant but safe celebration. Personally, we decided not to spend the day with Jamie's family as we have done for the past 16 years. Our plan is to drive down to their house, drop off our traditional Chocolate Cream pie that I make each year, and say hello from a safe distance. We most likely will have

our Thanksgiving meal on Friday. Last year we decided it was our turn to host Thanksgiving at our home, but Covid abruptly altered those plans. It will be the first time we will prepare our own turkey and all the trimmings at home.

I was going to wait until after Thanksgiving to announce that our traditional Christmas banquet will be replaced by a virtual (I am getting to despise that word) gathering on Zoom but decided a preview might be in order. I will be sending out an email with all the particulars soon. It will be held on the 3rd Monday of December which is

*(Continued on page 2)*

## Zoom Holiday Party Monday, December 21 at 7:00 PM

### Prizes!!! Yaesu FT-70DR HT!! 2m/440 CompacTenna!!

A name will be drawn from those attending for a Yaesu FT-70DR HT. You must be present to win.

There will be a random drawing from attendance lists for Dr. Jack's 2m/440 CompacTennas. You do not need to be present to win.



## Nets

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

(Continued from page 1)

December 21, 2020. It will be well worth your while to plan to join in.

Lastly, please remember to renew your membership for 2021. Unless you paid for multiple years in advance or are a Life Member, your membership expires on December 31, 2020. In the past, we permitted a grace period by allowing you to pay at our Winter Hamfest, but we cannot allow that this year since we will not be holding the hamfest. So, please arrange to send your dues to Tom W8KYZ before December 31, so you can remain current. Send your check or money order to

NOARS, 161 Herrmann Drive, Avon Lake, OH 44012. Be sure to put your call sign in the memo area of the check. Dues are still \$15 (Full), \$7 (Associate), and \$4 (Family). If you prefer to pay with cash, please contact Tom and make arrangements to drop it off. I recommend very strongly not to send cash via USPS.

Enjoy your holidays as best as you can while being safe. We will be able to celebrate with friends and family soon. Until next year, everyone take care, stay safe, wear a mask in public, wash your hands frequently, tell your family you love them, and 73,

Carl W8KRF

## Vice President's Message

BAH Humbug.....this WHOLE YEAR SUCKs and Next Year does not look Any better.....no Meetings.....no Field Day. Several Great Members...are Gone...The NOARS Constitution and By-Laws were Ignored/Miss Interrupted by the B.O.D.....Zoom Meetings SUCK .....No HAMFESTS.....and things LOOK Worse... for next year ??? It just makes one get rid of ALL EQUIPMENT, teardown towers, and burn your Amateur License !!! It has been a truly miserable year in Totality!!!

The only POSITIVE Thing is I have not got the Covid19, a cold nor the flu!!! And I have a great family and some truly wonderful Friends

Dave KY8OSU



## Balancing the Humbug

**By Elaine, KC8FOS**

The holidays are certainly different this year, and that is not such a good thing for most of us. In his Vice President's Message Dave, KY8OSU, bluntly expresses how a lot of us feel. However, he lists some positive things at the end. He hasn't gotten Covid19 or the flu, he has a great family and wonderful friends. Indeed. Health, family, and friends are what keep us going. Let's continue in that vein.

I'm grateful for a number of things: Amateur radio - for the contacts possible, the time spent learning new

things and being on the air, and the creation of the NOARS Log every month. I'm also grateful for family, a good home, the ability to obtain and enjoy good food, reading, health, and living in the United States, despite how chaotic it is right now.

What are you grateful for? What gets you through each day? What are you doing during this time of social distancing? Let us know at [www.noarslog.net](http://www.noarslog.net), or email me at [ewilkinson1951@gmail.com](mailto:ewilkinson1951@gmail.com) or Tom at [thomasfwilkinson@gmail.com](mailto:thomasfwilkinson@gmail.com). It would be great to publish successes folks are having in dealing with this turbulent time.

# Upcoming Social Events

## December

### Virtual NOARS Lunch Tuesday, December 1

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

### Zoom Holiday Party Monday, December 21

A name will be drawn from those attending for a Yaesu FT-70DR HT. You must be present to win.

There will be a random drawing from attendance lists for Dr. Jack's 2m/440 CompactTennas. You do not need to be present to win.

## Welcome New Members

We extend a warm welcome to Jeany Hess, KC3QND. While on a trip to Pennsylvania she took an unplanned Technician Class test, and passed. Way to go, Jeany! We're glad you are with us. Jeany is married to Pete Sklenar, KE8NQQ.

Another warm welcome goes to Bryan Torok, N8OOF and Sara Torok, KC8KSU. Bryan and Sara became familiar with some of the club members at this year's fox hunts. They are both hunters extraordinaire. We

are glad you joined us! We look forward to seeing you on Zoom meetings and at the spring hunts.

And yet another warm NOARS welcome goes to Joe Lupica, KE8KAT and his wife Patty. Joe and Patty are owners of Heartland TV, Audio and Electronics. Thank you for joining us. They were introduced at a club meeting by Dr. Jack. N8NDL. Look for their ad is in the NOARS Log.

## Bill Isenberg, K8IC, SK

### From Tom, W8KYZ

Bill, of North Ridgeville, became a silent key November 20. He was 82 and a former member of NOARS. He served in the U.S. Army and was called up to the U.S.

Army for the Berlin Crisis. He worked as an electrician for Ford Motor Company, retiring in 2007 after 33 years. No other information is available.

## 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.

## 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](mailto:noarslog@noars.net).

# Dues are Due – Deadline is December 31

In past years there has been a grace period until the Winter Hamfest in March. However, the Hamfest will likely not take place in March. Dues need be paid by December 31, to maintain an active status. Full membership is \$15.00, associate is \$7.00, family membership is

\$4.00 (licensed or not). Send payment by check or money order, made out to NOARS. Include your call sign on the check. Address is NOARS Membership, 161 Herrmann Ave., Avon Lake, OH, 44012. The deadline is December 31.

## Universal Radio Closing

**By Tom, W8KYZ**

Universal Radio will close its store in Worthington, Ohio on November 30, 2020. The Universal website ([universal-radio.com](http://universal-radio.com)) will be maintained for the foreseeable future. Owners Fred, N8EKU, and his wife Barbara, KC8VWI, are looking forward to retirement. Fred has been with Universal for 37 years.

Universal was founded in 1942 by F. R. (Gibby) Gibb, W8IJ, SK. It was located on North Third Street in downtown Columbus. I (W8KYZ) parked in front of the store many times. On one occasion I exceeded the time limit and my car was hauled away by police. Universal carried all the major brands including Millen, Drake, Hammarlund, Hallicrafters, Johnson Viking, and National. Most of those brands have changed. I believe they were one of the first to publish a colorful annual catalog for ham radio operators.

Footnote: I visited Gibby in downtown Columbus many times in the 50's and 60's. Gibby was always neatly dressed in his shirt and tie and really knew his ham gear. He was confined to a wheelchair and got around his store with no difficulty. You always felt welcome at Universal.

My first new transceiver was a Drake TR-3 purchased from Universal. Years later, while driving a tour bus, I would park in the loading dock area at their relocation in Reynoldsburg. go in and operate their stations, have coffee, pick up my passengers at COSI and head back to northern Ohio.

And who could forget Barbara's cats who shared space in her office and in their warehouse with ham gear.

Great Memories!

## New Worked All States Net

**From Chris, KD2HCE**

This new net is the United States Awards Net, which meets every night at 7PM on 80 meters and is open to General and Extra Class license holders. You can check in on the air at 3.830 +/- MHz. Using NetLogger is easier since the frequency can vary a bit. There is no

membership fee. A rosewood and brass engraved award is available, for a reasonable charge. Chris, KD2HCE is the Saturday NCS, and hopes you give the new net a try. Go to <http://ustaw.net> for more information.

# December Birthdays

Jeff Evans, KB8ZUN

Judi Squires, WD8ASV

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!

Dan Wadsworth, W8AJF

Bob Coates, WA8THF

Bob Gardner, WA8JBT

Tom Porter, W8KYZ

Tom Wisnor, K8PPZ

## November 16, 2020 Membership Meeting Attendance

Dan, W8AJF

Chris, KD2HCE

Bryan, N8OOF

Bill, K2WJS

Al, N8CX

Carl, W8KRF

Dave, KY8OSU

Bill, N8WS

Tom, N8FDY

Tom, W8KYZ

Dave, WV8P

Ann, KA8ZEP

Elaine, KC8FOS

Bob, W8NNC

Tom, W1TRB

## Being a Net Control Station

Being an NCS is a perfect way to serve the amateur radio community. NOARS has two nets, perfect for cutting your teeth as an NCS: Tuesday night at 8:00 on

28.370 and Wednesday night's Food Group at 7:00 on 146.700. If you would like to serve as an NCS, let any NOARS officer know and we will get you started.

## Heard on the Nets in November

Jeff, AD8AA

Roger, AB8IF

Alan, KF8PM

Stephen, N8WB

Jeff, K8ACF

Bryan, W8JMI

Tom, K8PPZ

Bill, K2WJS

Allen, K8ADS

Carl, W8KRF

Clark, N8PZD

Tom, W8WLI

Dan, K8AGW

Tom, W8KYZ

Jeanie, KC8QND

Bill, N8WS

Dan, W8AJF

Pete, KE8NQK

Ralph, KD8REW

Lenny, N8XLQ

Ray, KA8BPU

Tony, KE8OOE

Michael, W8TTF

George, WA8YVF

Mark, W8FAN

Bryan, N8OOF

Russ, WB8UPA

Ann, KA8ZEP

Tom, N8FDY

Bob, W8OOT

Frank, KC8VKA

Jeff, KB8ZUN

Elaine, KC8FOS

Dave, KY8OSU

Daniel, KD8VQT

Jody, KE8GKO

Dave, WV8P

Matt, KD8VTX

Chris, KD2HCE

Tom, W1PDI

George, WA8YVF

# December 2020

**Sun      Mon              Tue              Wed              Thu              Fri              Sat**

		<b>1</b> 10M Net 8 PM - NCS Elaine, KC8FOS  Zoom Lunch at Noon	<b>2</b> Food Group 7PM 2M NCS Dave, KY8OSU	<b>3</b> 2M Net 8 PM NCS Elaine, KC8FOS	<b>4</b>	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b> 10M Net 8 PM - NCS Tom, W8KYZ	<b>9</b> Food Group 7PM 2M NCS Elaine, KC8FOS	<b>10</b> 2M Net 8 PM - NCS Tom, W8KYZ	<b>11</b>	<b>12</b>
<b>13</b>	<b>14</b>	<b>15</b> 10M Net 8 PM - NCS George, WA8YVF	<b>16</b> Food Group 7PM 2M NCS Dave, KY8OSU	<b>17</b> 2M Net 8 PM - NCS Carl, W8KRF	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b> NOARS Zoom On Line Meeting 7 PM	<b>22</b> 10M Net 8 PM - NCS Dan, W8AJF	<b>23</b> Food Group 7PM 2M NCS Elaine, KC8FOS	<b>24</b> 2M Net 8 PM - NCS Dave, KY8OSU	<b>25</b>	<b>26</b>
<b>27</b>	<b>28</b>	<b>29</b> 10M Net 8 PM - NCS Elaine, KC8FOS	<b>30</b> Food Group 7PM 2M NCS Dave, KY8OSU	<b>31</b> 2M Net 8 PM - NCS Carl, W8KRF		



# Member Highlight: William J Sheehan Jr. (Bill) K2WJS

## Life in Radio

When asked how long he's had his license, Bill has two answers. He got his Radiotelephone First Class "First Phone" in 1978. He got his Ham license in 2016 - life happened in between those two licenses.

Bill started playing with radios back when he was 11. His dad gave him a Raytheon electronics kit for his 11th birthday. Bill says his father must have grown tired of Bill's taking things apart. He went through the CB phase in the 70's. The First Phone, received in 1978, was converted to a GROL in 1982. He also has a GMRS license. Bill's oldest son, KD8VHD, got his amateur radio technician license as well as a GROL. Bill decided to get his technician license around the same time and just kept on studying until he got his Extra.

## Pleasure in Ham Radio



Bill enjoys ham radio since he likes talking to people and dabbling. There is no pressure and no deadlines like at work; it's just for fun. Learning about new "stuff" is also fun for Bill. His favorite mode of operation is strictly phone, adding that he has no interest in learning code. He likes to sit at his FT-450 and just dial around to see what he can hear. Some nights, he never even uses the

PTT on HF.

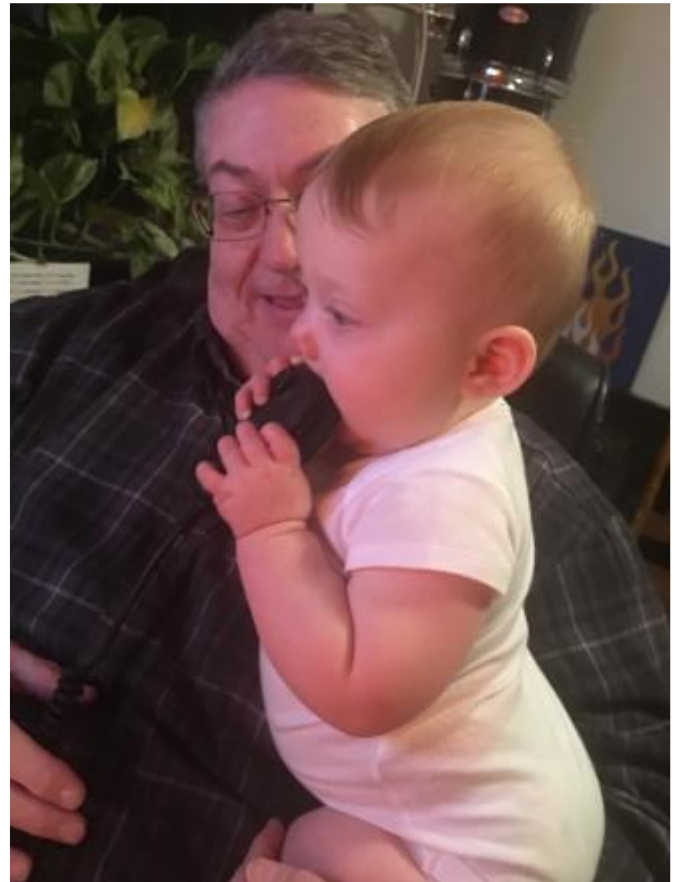
Bill and his wife Connie, K8CCS, socialize at the fox hunts. He enjoys in-person meetings, but adds that right now he wouldn't feel comfortable at them.

## Nets

Bill participates in a few nets on 2 meters and has jumped in on a couple of 40 meter nets. He has been known to look up what's active in Net Logger, dial it up, and listen.

## Learning, Learning, Learning

Bill has been studying Winlink, though he hasn't purchased a modem yet. He says he's not sure what use he would really get out of it. The desire to learn continues, including the many uses for a Signalink



modem, and more info on indoor antennas.

## Dream Rig

Bill claims a favorite rig doesn't exist. He keeps hoping Yeasu brings out a replacement for the FT-857. The FT-

*(Continued on page 8)*

(Continued from page 7)

891 is close, but he wants 70cm and 2 meters, too. The radio he uses the most is an FT-8900, which he uses as a base at home.

### **Exciting Experience at Field Day 2020**

This year on Field Day, Bill talked to a ham from South Dakota. It was pouring rain and lightning. He says he shouldn't even have been on the radio. But, radio karma was good and Bill hit him on only 100 watts phone with his "dinky end fed antenna."

### **Other Hobbies**

Bill lists other hobbies as scouting and "giving his children unsolicited advice."

Bill has a daughter in Iowa and two sons here in Ohio. He has one granddaughter and unfortunately, as he puts it, she lives in Iowa, too.

### **Work Life**

Bill currently is an I.T. Director for the St. Augustine Health Group. That First Phone license got him a job at Radio Shack (R.I.P). They brought out the TRS-80s and Bill raised his hand when they asked who wanted to learn about them, as well as later for training on Datapoint Arcnet. That eventually got him to Novell school and he left Radio Shack. His knowledge of radio has been very handy now that everything is wi-fi in medical treatment. "Especially in a 110-year-old collection of Faraday cages disguised as a 5 story LTC facility." One of their buildings is the old St. John Hospital on Detroit Ave. As Bill puts it, "The whole building is plaster over grounded metal screening. The designers in 1910 favored brick over steel, so some of the lower load-bearing walls are 18 inches of red brick. The building is built into the side of a hill so cell service for IT is almost impossible on the lowest floors."

## **November 16, 2020 NOARS Membership Meeting Minutes**

### **Submitted by NOARS Secretary Elaine, KC8FOS.**

The meeting was held over Zoom.

Fifteen people were in attendance.

The meeting was brought to order by club president Carl, W8KTF, at 7:15 PM.

A motion to accept the October meeting minutes, as they were published in the newsletter, was made by Carl, W8KRF, seconded by Chris, KD2HCE. The motion passed.

### **Treasurer's Report:**

Tom, W8KYZ. Balance reported. Expenses were payment to Windstream and a \$100 donation to Second Harvest Foodbank. There were no questions. Dan, W8AJF, made a motion to accept the Treasurer's Report, seconded by Tom, K1TRB. The motion passed.

**Parliamentary:** Tom, N8FDY. No report. Carl advised the club will need to re-write the Constitution to clarify some questions that came up in our last nominations. We will do that next year before elections so there is no question about validity.

**Property:** No report as Tom, W1PDI was not present.

**Repeaters:** Carl, W8KRF. Seems to be OK. For some

reason the computer went down so we didn't have Echolink. He could not find why it went down since it's supposed to start up automatically.

**Website:** Carl. The website is up-to-date.

**Membership:** Carl. We have 86 members. We have two new members, Bryan, N8OOF and Sara Torok, KC8KSU.

**Social Committee:** Elaine, KC8FOS. Everything is on hold due to Covid. Dave, KY8OSU, told the group he is working on a fox hunt file for when the fox hunts resume in the spring. Dave welcomes any information about fox hunting and suggests we have a school for people who haven't done it before or a refresher for those who have. Have it early in the year, online or in person.

**Programs:** Elaine. Due to December online holiday party, discussion on amplifiers will be moved to January. February's program will be how to use various meters. Elaine welcomed anyone who would like to help plan fox hunts. We need to make them more interesting. Contact Elaine, KC8FOS or Bryan, N8OOF.

**December meeting:** Carl. Not a business meeting. December 21. There will be a random drawing among those who have attended meetings over the last year.

(Continued on page 9)



(Continued from page 8)

The winner will receive a 2M/440 antenna donated by Dr. Jack, N8NDL, owner of Compactenna. You do not have to be present to win. There will be another drawing of a name from those present at the December meeting. The winner will receive a Yaesu FT 40E handheld. One has to attend the December meeting to be eligible for that drawing. Bob, W8NNC, asked if an email reminder would be sent out about that. Carl said yes. Carl also suggest we have an ugly Christmas sweater contest. Tom, N8FDY, suggested we have a portion handled like the nets – go around to every person and let them say something, about the holidays or whatever else they may want to say. Carl suggested we have cocktails, maybe exchange recipes.

**Sunshine:** Tom, W8KYZ. Tom has tried to contact Joe, W8GWD with no success. Anita, wife of Bill, WD8OSJ, passed away. A card was sent.

Carl pointed out some club members don't have the Internet so they can't join the online meetings and has been wondering about a solution. Suggestions were made of using dial-in or a smart phone with a camera in it. Carl suggested we check into it for next year since meetings may be online through the next quarter.

**Nets:** Elaine, KC8FOS. Nets are not doing so well. Maybe people are getting netted out and miss the socialization of the actual in-person meetings. Carl said the need to socialize is why he opens the meeting early, such as tonight when people could come aboard at 6:45. A suggestion was made to start them at 6:30.

**Newsletter:** Tom, N8FDY. A lot of old for sale ads have been cleared out, so there is plenty of room for more. We are unable to sell things at a hamfest, so we might as well use the newsletter. Submit things by November 26. We have a new paid ad. If you send something about yourself, we will put it in the newsletter, including photos. The newsletter is a PDF document, so we have unlimited space. Chris, KD2HCE, told us of a new net, a Worked all States Net and asked about getting information about it in the Log. Information about it is welcome for the Log. Discussion ensued about how and what form of document to use, generally. .docx documents are good. Do not imbed photos or PDFs into Word documents. Avoid sending PDFs since they are hard to reformat. Word or Libra documents are good. Attach photos to the email. Photos should be the highest resolution possible.

### **New Business**

Dues are due by Dec 31. We won't have the previous grace period through the winter hamfest since that will not happen in March 2021. Send your payment to Tom, W8KYZ. Chris, KD2HCE asked about PayPal. That is no longer an option. Send check or money order.

**Last Comments:** Dave, KY8OSU, said he's getting a group together to take down the tower and antenna of Harold Drake, K8HRD, SK. Any help would be appreciated.

**Adjournment:** Bill, K2WJS, made a motion to adjourn the meeting, seconded by Dave, WV8P. The meeting was adjourned at 7:41 PM.



# 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](http://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](mailto:DXEngineering@DXEngineering.com)**

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



**CELEBRATING**  
**20 YEARS**  
**2000-20**

**DX**  
**ENGINEERING**

Heartland TV, Audio , Radio  
Willoughby, Ohio  
440-478-9859

- TV, Radio, Hi-Fi repair
- CB radio repair
- Antenna installation
- COMPACTenna dealer
- Antenna and radio sales
- \* Scanner and radio programming
- \* Prompt friendly courteous service
- \* More than 45 years experience
- \* Conveniently located
- \* Full restoration available

Visit us at: [www.heartlandtvandappliance.com](http://www.heartlandtvandappliance.com)

We buy vintage radios and stereo equipment

COMPACTenna on display

## Books For Sale by Tom, W8KYZ

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

ARRL Vertical Antenna Classics 120 pages. Edited by Robert Schetgen, KU7G. 1<sup>st</sup> 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.**

## Equipment for Sale by Tom, W8KYZ

MFJ-4432 digital car voltmeter. 8-30 volts dc. All in one plug/module. Tall red LED readout. New. \$10.00.

Life Gear 6-in-one flashlight/fm radio/signal flasher. Easy hand-crank power. No batteries to replace. New. Great for emergencies. \$15.00.

Uniden Pro 538w. 40-channel CB radio + WX. Manual, mobile mount. \$30.00.

K-40 CB strong mag mount with antenna. \$35.00

2 meter J-Pole antenna. \$5.00.

Larsen 10 Meter NMO-MM mag mount and NMO-27 coil. \$35.00.

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

Bird 43 wattmeter elements: 25w...400-1000Mhz; 100w...25-60Mhz; 100w...100-250Mhz; 100w...1000Mhz. \$30.00 each.

Comet CFX-324 Triplexer. \$55.00.

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

## For Sale from Tom, W8KYZ

Icom IC-7800. HF and 6 m transceiver. 5 to 200 watts with built in tuner and power supply, 7 inch color TFT LCD. CW/SSB/RTTY/PSK31/FM/AM. MARS modified, with rack handles, manual, mic. Original box. \$3200.00

**Contact Tom, W8KYZ. 440-320-5523 or [tporter161@oh.rr.com](mailto:tporter161@oh.rr.com).**

## Equipment for Sale from Dave, WV8P

Heathkit SWR meter: HM 2140. In good shape. \$45.00.

Daiwa CNW419 antenna tuner. 500 watts. In good shape. \$55.00.

Heathkit RF oscillator. IG- 5280. New. 10.00.

Olson SWR & field strength meter. In good shape. \$10.00.

Heathkit code Oscillator. HD1416A. In good shape. \$12.00.

**Contact Dave, WV8P, at (440) 799-3202. (Leave message)**

## 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](mailto:gfarris1@neo.rr.com).**

It is all located in North Canton.



# 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](http://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](http://www.noars.net). Make checks payable to NOARS and mail them to: NOARS Membership Committee, 161 Herrmann Drive, Avon Lake, OH 44012.



## Meetings

During the Covid-19 pandemic, in-person meetings have been cancelled. They will resume as soon as it is safe to once again meet in large groups.

## 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