



NOARS Log



January 2019

K8KRG

Volume 55, Issue 1

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Prez Sez

Greetings! I hope you all had a great holiday season and found neat ham radio "stuff" under the tree from Santa. As I am writing this it is sunny and relatively warm for late December, but we are promised a white Christmas day in most of the region.

Thanks to everyone who joined us at the Elyria Applebee's for our banquet. Congratulations to all the certificate and award recipients. I special thank you to Elaine and the Social Committee for planning and executing this event. I look forward to what you might plan for us next year.

Under the leadership of Dave Fisher, KY8OSU, NOARS made some great strides in 2018. I only wish I and the 2019 Executive Committee can match that growth this coming year. Along with accomplishments, there were some disappointments. We can only try to move forward and change to meet the needs of the membership. We tried some new innovative social media platforms in hopes of keeping the membership more involve and informed. In many ways, it was a success but in others, not so much. We will discuss

(Continued on page 2)

2018 Membership Dues expire on December 31

Renewals are now being accepted. Although renewals prior to January 1, 2019, are preferred, there is a grace period extending until the Winter Hamfest. 2018 Memberships will remain current during that grace period. Dues are only \$15 (U.S.) per year for a

licensed amateur (full membership), \$7 (U.S.) non-licensed (associate member), \$4 (U.S.) family membership (licensed or not). Please pay with cash at meetings or send a check to the club address: Membership, 161 Herrmann Drive, Avon Lake, OH 44012.

January Meeting

Monday January 21, 2019

Tim Duffy, K3LR, Chief Operating Officer of DX Engineering, will present a program entitled "Get Ready for Your Spring Antenna." Tim is an expert on antennas, having built some outstanding ones at his station in Western Pennsylvania. See some examples on page 10.

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)

discontinuing the less accepted, e.g., Group Works with only 10 sign-ins in the past 30 days. We have 75 invited members but 31 never accepted the invite and signed in. Facebook seems to be a bit more popular with many views and “Likes” each week. It is a public page, so we have several non-members who view it quite often. Our website is not visited as often as I would expect. MailChimp seems to be the best way to distribute information using emails. Along with the NOARS Log, it is our main organ for distributing information to the membership and others.

Our next major event is our Winter Hamfest on Sunday, March 3, 2019. Please talk it up on the nets you frequent and with your friends. Refer them to our

website for details. NOARS depends on our 2 annual hamfests to stay fiscally alive. We also depend on membership dues. So, please get your checks to Tom, W8KYZ via snail mail or pay them in cash or check at the next meeting on Monday, January 21, 2019. Even though we do allow a grace period extending until the Winter Hamfest to remain current, it is much better if you pay your dues on time.

By the time you read this, Christmas 2018 will be history and we will be getting ready to celebrate the birth of a new year. May all of you have a happy and prosperous 2019. Ring it in responsibly with your family and friends. Happy New Year!

73,

Carl W8KRF

Vice President's Message

Hope you had a Merry Christmas (but not too merry) and a Happy New Year (again, not too much), but now it's time to straighten up and get back to work, yadda, yadda, yadda. I expect more out of all NOARS members this year. We need to continue making the club grow and be active in all areas of amateur radio. Either grow or die a slow death.

We should be in the planning stages for both Winter Hamfest and Field Day, as both will be here sooner than we will be ready if not started now. And remember, I will be asking every member that is able drive to Field Day and walk to a Station to Volunteer to work it for at least a couple hours or whatever time that is available, as I would like NOARS to score better than next to last... or worse.

Anyone wanting to set up a station should be thinking about what band they would like to work and equipment requirements and test the setup prior to Field Day. We will be assigning bands a couple months ahead of time from those volunteering. We will have a planning meeting at the Field Day site probably two weeks prior to Field Day. Computer Logging will be setup and tested.

Info for all Techs—I was told of a General License Class is to begin in February (dates & place yet-to-be determined). It's been a long time since the last one in this area. Please let all Tech's know. Info will be updated as it arrives. Let me know if you are interested.

Happy and a Good New Year Everyone.

Ohio Section Hamfests in January 2019

01/20/2019 | S.C.A.R.F. Hamfest

Location: Nelsonville , OH

Type: ARRL Hamfest

Sponsor: Sunday Creek Amateur Radio Federation

Website: <http://www.qrz.com/db/kc8aav>

01/27/2019 | Tusco ARC Hamfest

Location: Strasburg, OH

Type: ARRL Hamfest

Sponsor: Tusco Amateur Radio Club

Website: <http://www.tuscoarc.org>

New General Class Exam

By Tom Porter, W8KYZ

On July 1, 2019, a new General Class exam will take effect. Current ARRL study booklets for General Class are only valid until June 30, 2019. Exams are given on

the third Sunday of each month at 12:50pm, American Red Cross, Elyria, Ohio. 2019 ARRL VEC Examination fees will remain at \$15.00.

Upcoming Social Events

January

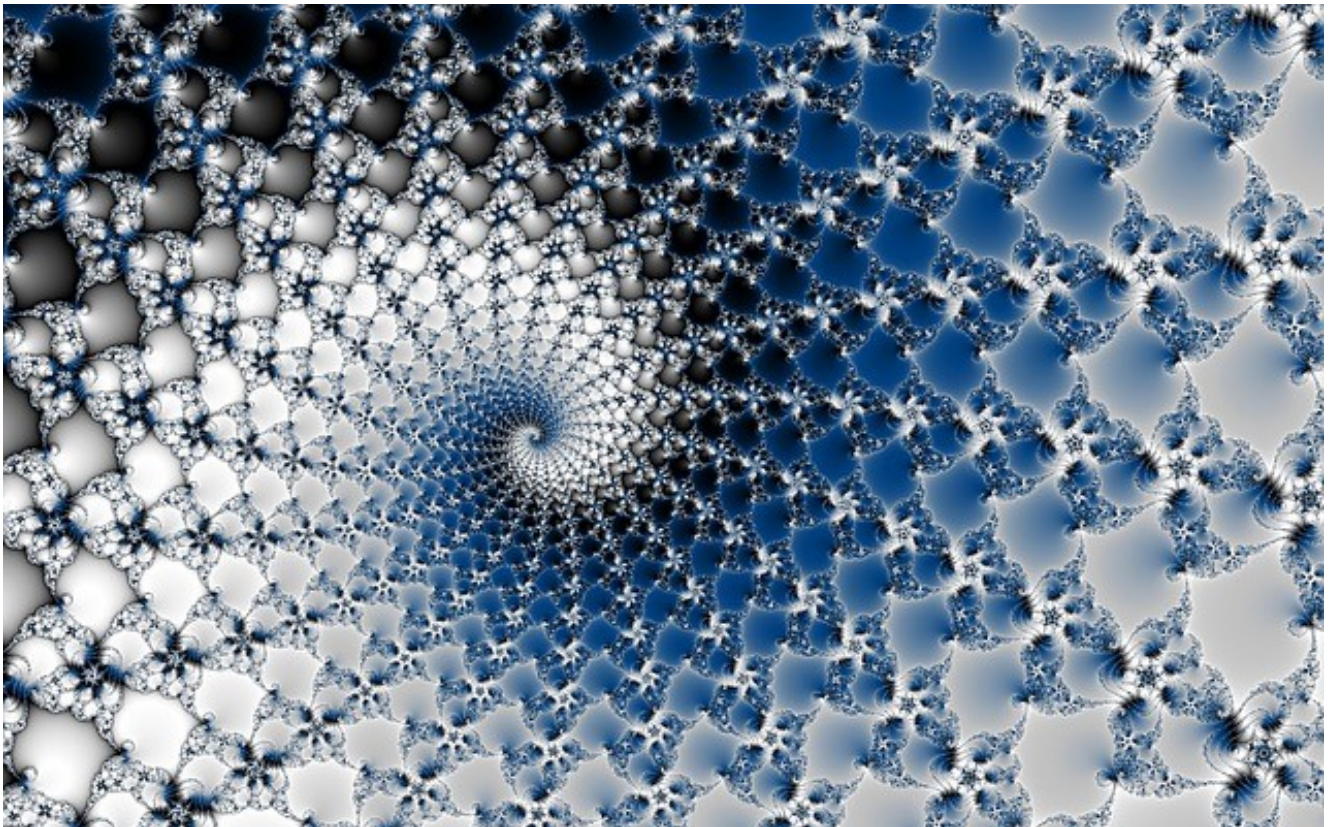
NOARS Monthly Meal

Tuesday, January 8 at noon. Golden Corral in Elyria on West River Road. **Please note the week change.**

February

NOARS Monthly Meal

Tuesday, February 5 at noon. Golden Corral in Elyria on West River Road.



January Birthdays - Happy birthday!

Bill, K8RTR
Darlene, KA8VTS
Russell, KE8GNX
Tom, W8WLI
Brian, SWL2
William, WD8OSJ

Bob, W8NNC
Jane, K8JGR

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!



New Members

John Baddour, KC8KI. Extra. North Olmsted

Joseph Eakin, KE8KZN. Technician. Elyria, OH.

Welcome to NOARS. We hope to meet you at a membership meeting.

Thanks to December Net Controls

Tom, W8KYZ
Bob, W8RET
Elaine, KC8FOS

Carl, W8KRF
Tim, NC8X
Dave, KY8OSU

Heard on the Nets

Jeff, AD8AA
Dave, W1AFC
Dan, K8AGW
Dan, W8AJF
Fred, N8AHS
Andy, K8ALG
Dan, KD8ARZ
Ray, KA8BPU
Rich, WA8CAC
Ned, WD8CSP
Charles, K8CVM

Lee, WA8ERA
Tom, N8FDY
Elaine, KC8FOS
Mark, KC8FQV
George, K8GIL
Russ, KE8GNX
Joe, W8GWD
Chris, KD2HCE
Baji, K8IIT
Carl, W8KRF
Sandy, W8KYS

Tom, W8KYZ
Joe, KE8KZN
Dave, KD8MXE
Lynn, KD8NGE
Bob, W8OOT
Dave, KY8OSU
Dave, WV8P
Tom, W1PDI
Mike, N8PJD
Alan, KF8PM
Bob, W8RET

Bill, K8RTR
Joe, W8SSE
Russ, WB8UPA
Gary, KD8VIQ
Matt, KD8VTX
Bill, K2WJS
Tom, W8WLI
Mark, K8WON
Bill, N8WS
Tim, NC8X
George, WA8YVF

January 2019

Sun

Mon

Tue

Wed

Thu

Fri

Sat

		1 10M Net 8 PM	2 BRTN 9:30 PM	3 2M Net 8 PM	4	5
6	7	8 NOARS Monthly Meal 12 Noon 10M Net 8 PM	9 BRTN 9:30 PM	10 NOARS Board Meeting 7PM 2M Net 8 PM	11	12
13	14	15 10M Net 8 PM	16 BRTN 9:30 PM	17 2M Net 8 PM	18 LCARA Meeting 7 PM	19
20 VE Testing 12:50 PM	21 NOARS Meeting 6:30 PM	22 10M Net 8 PM	23 BRTN 9:30 PM	24 2M Net 8 PM	25	26
27	28	29 10M Net 8 PM	30 BRTN 9:30 PM	31 2M Net 8 PM		

2018 Holiday Banquet Review

Twenty-four members and friends attended the Holiday Banquet on Saturday, December 1 at Applebee's in Elyria. The food was tasty and the company warm and welcoming. Russ, KE8GNX welcomed everyone to the party, Dave, KY8OSU gave a brief speech, and Carl, W8KRF handed out certificates and awards. The following received certificates of recognition for their contributions to NOARS: Chet, K8KIZ and Joe, W8GWD – Chet for submitting interesting, relevant Internet links and Joe for submitting monthly articles concerning antennas to the Log; Tom, N8FDY and Elaine, KC8FOS for their work on the NOARS Log; Tim, NC8X for being an

NCS of the 10 meter net; Bob, W8RET for keeping track of the nets; Harold, K8HRD for doing the 50/50 raffle at meetings and hamfests; Clark, N8PZD for being past President; Carl, W8KRF for work on repeaters, website and membership. Plaques presented were: Tom, W1PDI as Ham of the Year for his leadership in creating the new NOARS brochure. Dave, KY8OSU received the President's Award. Tom, W8KYZ presented Dave, KY8OSU and Carl, W8KRF with bags of Icom gifts. Bob, W8NNC won the ARRL 2018 Handbook and Chris won the fruit basket. All in all, it was a very good time



Tom, W1PDI (left) was presented with the Ham of the Year award by Dave, KY8OSU (right)



Dave, KY8OSU (right) was presented with the President's Award by Carl, W8KRF





Tech Savvy

By Joe Cebula, W8GWD

ANTENNA BASICS

Query No. 10

Q. What is the most unique homebrewed antenna system ever constructed?

A. In my opinion, the system constructed by Ray W8ADV (SK) would certainly qualify. For those who never met or knew Ray, he was an active NOARS member for years and always concluded a QSO with the remark, "Keep smiling, it'll keep people wondering what you are up to." Ray was very active for 30 years on 160 meters from the late forties. He lived on a farm and had for a grounding system two eight-foot copper rods driven in the ground. Each rod had radials consisting of aluminum clothesline wire, of which one radial was connected to an escapement located in a well. The network evolved into Ray's underground antenna. Ray worked six states with this antenna, but when it was tried on 75 meters, it was not successful.

The antenna possessed an unusual characteristic. One day during a thunderstorm, he telephoned a fellow ham who also had a 160 meter underground antenna and request a contact. The contact was made and the transmissions were solid with no QRN. How about that?

One day, there was a knock on Ray's front door by two men in suits. One man introduced himself as a FCC representative and the other identified himself

as a representative from the United States Navy Department. They asked to examine Ray's rig and he complied. While the investigation was transpiring, Ray wondered why they were interested in his rig. No discrepancy was discovered and when the investigation concluded, Ray asked the question of the FCC representative, who replied that the FCC was receiving reports from the Navy Department that United States' submarines were receiving Ray's 160 meter transmissions! Ray's antenna has to be an antenna to end all antennas. I am not aware of another ham antenna to duplicate this feat.

During his tenure on 160 meters, Ray also had, at various times, a long wire antenna, a loop antenna and a VEE antenna. At that time, 160 meters was as popular as 2 meters is today. It was not unusual to work a 160 meter mobile unit. The homebrewed rig usually consisted of a broadcast band auto receiver that was detuned to receive 160 meters AM; the radio's DC voltage supply was used to power a homebrewed five to 10 watt AM transmitter. The antenna consisted of an eight-foot whip mounted atop a long loading coil wound on a broom handle. Those were the good old days of homebrewing.

73

Joe, W8GWD



Contest Clubs Update - RTTY Roundup and more

From: Bart Jahnke, W9JJ

All,

As we head into the holidays, follows are a couple updates for contest clubs.

- FT8 and the ARRL RTTY Roundup (<http://www.arrl.org/rtty-roundup>) is just a couple weeks away (January 5-6, 2019). This is an event, since its announcement in November 1988 QST, that not only promotes RTTY, but in this new event it also promoted using all digital modes that existed at that time, and those that would follow. As we enter 2019, now some 30 years later, our newest popular mainstream digital mode (FT8) is poised to bring activity to new levels. In January 2019 QST (p.72-73), Joe Taylor, K1JT, presented an article as a how-to for ARRL RTTY Roundup (now with and FT8) to assist participants. As your club members head into the holidays, here's a link to that article that they may review as they prepare for the event (see <http://www.arrl.org/files/file/ContestResults/2019/January%202019%20QST%20-%20Taylor%20-%20FT8.pdf>).

- National Contest Journal (NCJ) and New Contest Learning / Training Tools: Per the email below, NCJ is asking clubs to talk-up the myriad of tools available to the contest community, and to discuss and share with NCJ what additional learning content may be of interest to your clubs and members. See the email that follows. Be sure to provide any thoughts/suggestions/follow up to NCJ Editor Scott Wright, KOMD at drscott.wright@gmail.com

Wishing you, your club and it's members warmest wishes for the holidays!

73,

Bart Jahnke, W9JJ

Contest Branch Manager

ARRL - The national association for Amateur Radio™

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Newington CT 06111

860-594-0232

w9jj@arrl.org

-----Original Message-----

From: Scott Wright [<mailto:drscott.wright@gmail.com>]

Sent: Monday, December 17, 2018 4:29 PM

To: Jahnke, Bart, W9JJ

Subject: Request to send to contest clubs via your reflector

Bart,

The NCJ is asking major North American contest clubs to consider expanding the learning and training tools available to help new and mid-skill level contesters learn and raise their skills to the next level.

In 2007, the NCCC published a video series on So2r which I personally found very helpful. They are going to re-post it to their website so all of us can learn from the series. Contest University also posts its lectures to the web and the power point slides - both extremely helpful to new and mid-skill level contesters.

We would like contest clubs to discuss with their members the need to develop additional video based and power point-based training tools on the following topics:

1. How to do the Sprint contest - CW and/or RTTY
2. How to set up and be a Mobile rover in state QSP.
3. Optimization of SO2R techniques in SSB/CW/RTTY contesting
4. How to do SO2V contesting
5. Advice on planning for a 48 hour contest - what are the techniques the winners use?
6. Setting up n1mm+ or Win-test with a rig - a basic how to video or power point set.

The video recordings might record both sides of a QSO, and in the example of the Sprint contest, slow it down enough to show beginners how to "Sprint" when you are done with the QSO, what to do if you lose a "jump ball" and other techniques. It might involve recording, then narrating what to do and listen for in the right and left audio channels.

These are only ideas for what we believe is currently lacking for up and coming contesters. There are probably plenty more issues that our major contest clubs can identify and create training films to help all of us.

You Tube is full of videos describing rigs and other things like building a ham shack table. Perhaps we can post some helpful videos on contesting to You Tube also?

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If there is enough interest in this, we can have an inter-club competition and I will award an "Editor's Cup" to the club that makes the best or most innovative video in 2019. It can be awarded perhaps at the 2020 Dayton

contest dinner (if the organizers agree) .

Thanks for considering!

Scott Wright, KOMD
NCJ Editor www.ncjweb.com
Twitter: @EditorNCJ



Some K3LR Antennas

Photos by Kelly Miller



Free Stuff from Tom, W8KYZ, 440.930.9115

Polk Audio Computer speakers, set of 2 speakers

The DX Engineering Retail Showroom

More products on the shelves—get hands-on with the newest radio gear!



- Friendly service
- Expert tech advice from active Hams
- Open-box deals
- Free product brochures
- Easy return processing

Come See Us!

Retail Showroom is Open
9 am to 5 pm, Monday-Saturday.

Even when the showroom is closed
you can order items at the Cashier:

Monday-Saturday: 9 am to 9 pm
Sunday: 9 am to 7 pm

The DX Engineering Retail Showroom

Inside the Summit Racing Retail Super Store
1200 Southeast Ave., Tallmadge, Ohio



For Sale by Brian

Antique oak table and chair for radio operating. \$100.00

Yamaha stereo receiver. \$100.00

Yamaha DVD PLAYER/NETFLIX. \$40.00

Grace Internet Receiver. \$100.00

Please call Brian at 440.420.1756.

For sale by Russ, KE8GNX

2018 Baofeng 50X2, 50 WATT Base/Mobile, 2/440, like new. Used three months. Excellent condition. Paid \$169.

Will take \$100.00, firm.

Contact Russ, KE8GNX, at 440.610.6768.

New Low Price For Sale by Dave Germ, WV8P

Daiwa CNW 419 antenna tuner

Frequency coverage 1.8-30mhz, antenna tuner is in like-new condition. **\$150.00**

Contact Dave at wv8p@roadrunner.com



For Sale by Vic Woconish, N8TN, 440-365-6672

Yaesu FT-One radio \$1200.00

Antennas

Tri band 10, 15, 20 meter with rotor

10 meter 4 element with rotor

15 meter 3 element with rotor

20 meter single element

15 meter single element

All on the ground

For Sale by Tom, W8KYZ.

Larson KD4-270. Kulduckie HT Dual Band Helical Antenna. New. Full ¼ wave on UHF and as a loaded ¼ wave on 2 meters. 8 inches tall. 144-148/440/450MHz. Ham Radio Outlet price \$39.95. \$10.00, or best offer.

Uniden President HR 2600. 25 watt 10 meter transceiver, cw/lb/usb/am/fm. Includes mic., mounting bracket and power cord. \$100.

ICOM 2AT, thumb wheel freq. selection. 2 meter .15w and 1.5w. Needs battery. Includes manual, smart charger and hand strap. Make offer.

Two ICOM 24AT dual band HTs with UT-50 tone squelch unit (encoder/decoder). .5w and 3.5w. Each needs a battery and includes a manual and wall charger. Make offer.

Army TV-7/U tube tester. Circa 1962. Includes carrying case and tube chart. Excellent condition. \$300.

Contact Tom at 440.930.9115.

For Sale by Tom, W8KYZ, 440.930.9115

Books

- ARRL Amateur Radio Books – all new
- ON4UN Low Band DXing \$20.00
- Small Antennas for Small Spaces \$12.00
- Emergency Power for Radio Communications \$13.00
- DXing on the Edge (160 Meters) \$15.00
- AC6V - DX101x – HF and six meters DXing Reference Guide \$12.00
- Stealth Antennas \$13.00
- ARRL Wire Antenna Classics \$ 8.00

Equipment

- Yaesu 7800 mobile separation kit (NEW) \$15.00
- Realistic Stereo Headphones - NOVA 20 \$ 5.00
- Olson Electronics S-677 – Air Speaker \$ 5.00
- MFJ-Digital DM55-1E. Voltmeter 130-300V (European Plug) New \$ 5.00

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.

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 ads.

NOARS Information

Members of the Board of Directors

President: Carl, W8KRF

Vice President: Dave, KY8OSU

Secretary: Elaine, KC8FOS

Treasurer: Tom, W8KYZ

Others: Tim, NC8X; Tom, N8FDY

Others

Net Manager: Bob, W8RET

Club Trustee for K8KRG: Al, N8CX

Repeater: Carl, W8KRF, and Tim, NC8X

NOARS Log Editors: Tom, N8FDY, and Elaine, KC8FOS

Membership

Membership is open to anyone interested in radio communication. Dues are: Full \$15, Associate (non-licensed) \$7, Family members of a full member are \$4 each. Membership forms are available at www.noars.net. Make checks payable to NOARS and mail them to: NOARS Membership Committee, 161 Herrmann Drive, Avon Lake, OH 44012.

Meetings

Meetings are held at 6:30 p.m. on the third Monday of every month 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, and Thursday nights at 8 pm. on 146.700 MHz. All licensed amateurs are welcome.

Committees

Parliamentary Committee: Bob, W8RET.

Repeater: Carl, W8KRF

Field Day: Al, N8CX

Hamfest: Dee, KA8VTS.

Sunshine: Tom, W8KYZ (temp)

Membership: Carl, W8KRF

Club Property Committee: Tom, W1PDI

Program Committee: Open

Social Committee: Elaine, KC8FOS; Dave, KY8OSU; Thomas, N8CWF; Russ, KE8GNX

Public Relations Committee:

Dave, KY8OSU, Elaine, KC8FOS, Thomas, N8CWF



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.

Burning River Traffic Net

The Burning River Traffic Net uses the NOARS repeater (146.700 MHz) Wednesdays at 21:30.