



# NOARS LOG

**Our  
49<sup>th</sup> Year**  
Serving The  
Amateur Radio  
Community

The Award Winning Newsletter of:  
The Northern Ohio Amateur Radio  
Society

www.noars.net

## Welcome to NOARS country!

# June 2013-Revised

NOARS Membership Meetings Are Held at:  
Gander Mountain (Gander Lodge Room)  
On The Third Monday  
Every Month @ 7:00 P.M.



V.E. Exam Schedule:  
1 P.M. Third Sunday of each Month.  
Elyria Red Cross, 2929 W. River Rd N. Elyria, OH

SUN	MON	TUES	WED	THUR	FRI	SAT
						1
2	3	4 1ØM Net 8PM 28.37Ø +/-	5 NOARS NET 9 pm. NCS: K8HRD	6 Tech NET 8 pm NCS: N8COI	7 ARN 7pm	8
9	10	11 1ØM Net 8PM 28.37Ø +/-	12 NOARS NET 9 pm. NCS: OPEN	13 Tech NET 8 pm NCS: W8KYZ	14 ARN 7pm	15
16 VE Testing @ Elyria Red Cross	17 NOARS Meeting Gander Mtn	18 1ØM Net 8PM 28.37Ø +/-	19 NOARS NET 9 pm. NCS: N8COI	20 Tech NET 8 pm NCS: N8CX	21 ARN 7pm	22 Field Day
23 Field Day	24	25 1ØM Net 8PM 28.37Ø +/-	26 NOARS NET 9 pm. NCS: KD8JNK	27 Tech NET 8 pm NCS: K8WRS	28 ARN 7pm	29
30						

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# The Northern Ohio Amateur Radio Society K8KRG



June, 2013 - Volume 49 Issue 6

## Welcome To NOARS Country

Where does the time go? It seems the older we get, the shorter the hours are. Before I go on with more of my Rants (see page 3), I would like to welcome the new members and let them know we are probably not much different than any other organization. 10% of the people do 100% of the work. In spite of the apparent discord, this is a great club (and I hate using that word because a "club" is something you hit people with). Ummm...that might get someone's attention. Sometimes, it seems we get in our own way. We spin our tires and get nowhere. Wait! That is not all true. We have had some real successes this year starting with the Winter Hamfest. As much as those of us organizing it fretted, you, the membership, came through in force. I am hoping that will happen again as we approach Field Day and NOARSfest. A majority of NOARS members are in the senior citizen age range so we need younger members to pitch in and help us out. Setting up for Field Day is no easy task anymore for some of us. If you view some of our past FD pictures, you'll notice we used to erect multiple towers with beams, and we had 8 stations running simultaneously. Not so now a day. However, with more people helping out, Field Day can be fun rather than a chore. So, come on out and help setup, operate, and tear down.

Until next month...73,

*Carl W8KRF*

### Who's who at NOARS? (And How to Contact Them)

#### 2013 Elected Officials

President2013atnoarsdotnet:.....W8KRF Carl Rimmer  
Vicepresident2013atnoarsdotnet:..N8QL Alex Pasini  
Treasurer2013atnoarsdotnet:.....W8KYZ Tom Porter  
Secretary2013atnoarsdotnet:.....KA8VTS Darlene Ohman

#### K8KRG License Trustee

trusteeatnoarsdotnet N8CX Al Moriarty

#### Committee Heads for 2013

Newsletter Production: W8KRF Carl (Editor - temp)  
(noarslogatnoarsdotnet) W8KRF Carl (Publisher)

A.R.R.L. V.E.....W8KYZ Tom Porter

W8KRF Carl Rimmer

W8GWD Joseph Cebula

N8QL Alex Pasini

K8IC Bill Eisenberg

Education Committee Chair: KE4SJC Rudy Fox

Membership2013atnoarsdotnet: W8KRF Carl Rimmer

DX/Field Day Chair: N8CX Al Moriarty

Net Operations Manager: KD8JNK Morgan McKenna

Hamfest Chair: KA8VTS Darlene Ohman

Webdesignatnoarsdotnet: W8KRF Carl Rimmer

Sunshine Committee: W8FJR Frank Reese

Repeater Upkeep: WB3JVK Stephen Robbins

K8IC Bill Isenberg

N8PZD Clark Beckman

Elmer: W8ADV Ray Smith

Parliamentarian: K8WRS Dave Semanik

### NOARS IS ON THE AIR!

#### Weekly Nets:

28.370 MHz Tuesday Night 10 Meter Net 8pm local time  
NCS: NC8X

146.70 Wednesday Night Rag Chew Net 9pm local time NCS:  
K8HRD - N8COI - KD8JNK

146.70 Thursday Technical Discussion Net 8pm Local time NCS:  
W8KYZ- N8COI - KD8JNK - N8CX - K8WRS

All are welcome on NOARS nets!

😊 **BTW Dept.!** 😊  
Happy Birthday to the following members:

\* Stephanie KD8TCZ \*

\* ed. Note If your birthday doesn't appear here its a good chance that its not in our database! Please contact: Carl W8KRF and update us!

### Youth Net Suspended!

The Youth Op's Net will be suspended for now. Morgan will be reorganized at a future date.

# NOARS NEWS

## Proposed Change to By-Laws: Proposed Change to By-Laws:

One of the goals of the Education Committee under the co-leadership of Rudy, KE4SJC and Alex, N8QL, is to present a short program at each of our monthly meetings highlighting an aspect of ham radio which will inform and educate members who may wish to upgrade or become aware of aspects of the hobby which they may have never experienced. If there is a topic which you would like to see presented, please contact Rudy or Alex at education (at) noars (dot) net.

### Sunshine Committee Reports

W8FJR Frank

A card was sent to John Pearl who was hospitalized briefly.

### Membership News!

Please welcome Chris, KD8URR and Petar, KD8UDY to NOARS.

Chris resides in Grafton. He is passed his Technician exam at our VE session in April.

Petar resides in Sheffield Lake and also passed his Technician exam in April.

In accordance with Article XI of the By-Laws, a proposed change to Article IV Titled Dues has been submitted by the Board.

### CHANGES TO CONSTITUTION OR BY-LAWS:

A. The proposed change must be published in the newsletter prior to the next regular business meeting and must be read to the members prior to voting.

C. For a change in By-Laws an affirmative vote to two-thirds of those voting at one meeting is necessary for adoption.

D. The change as accepted will be published in the next newsletter.

The proposed changes are in red.

Annual dues shall ~~not exceed \$10~~ **be \$12** for full members, ~~\$5~~ **\$6** for associate members or ~~\$2~~ **\$3** for family members, and are payable by the first day of January of the membership year. A member shall be stricken from the membership roll if his/her dues are not paid by the ~~first~~ **last** day of February of the membership year.

Changes in dues shall be recommended by the board of directors and must be approved by a majority vote of the members present at a regular club meeting.

### Roll Call: May 20, 2013 Meeting

#### 21 Members And Guests In Attendance

N8QL Alex	N8COI Rob	W8KRF Carl	KA8VTS Darlene	W8FJR Frank
W8RET Bob`	N8CX Al	KD8OCY Gordon	K8RVE John	KD8JNK Morgan
KD8TCZ Stephanie	N8PZD Clark	K8HRD Harold	KB8ZUN Jeff	K8KIZ Chet
KD8MUF John	W8GWD Joe	K8IC Bill	W8KYZ Tom	NC8X Tim
		KD8OCW Jim		

### Minutes of the May 20, 2013 Meeting Submitted by: Darlene Ohman, KA8VTS

The meeting began at 7:00 p.m., 21 members and guests present.

- **Treasurers Report:** Tom Porter, W8KYZ, a motion was made and seconded to accept the treasurers report as given. The motion was passed.
- **Secretaries Report:** Darlene Ohman, KA8VTS, a motion was made and seconded to accept the secretary's report as printed in the newsletter. The motion was passed.
- **Education Committee:** Rudy Fox, KE4SJC, was not in attendance. We had been planning to have a class in April, but that was too fast. We don't have any instructors or manuals at this time, so will are going to wait until the fall to start a class.

Minutes continued...

- **Newsletter:** Carl Rimmer, W8KRF, If you have items to sell, or an article you want to see in the newsletter get the information to me no later than the last Monday of the month. I need more things to put in the newsletter.
- **Membership:** Carl Rimmer, W8KRF, as of tonight we have a few new members from testing. Jeff Evans, KB8ZUN, inquired about our breakeven point, i.e., membership vs expenses. We were not prepared to present that information, but the Board will prepare a report.
- **Nets:** Morgan McKenna, KD8JNK, the nets are running fine. We need someone to run the net on the third Wednesday of the month. If anyone wants to come over and look at WD8IQJ's equipment, please contact me at KD8JNK @ yahoo.com.
- **Sunshine:** Frank Reese, back in April, John Pearl, K8RWR, was in the hospital and a card was sent to him. He is now out of the hospital and back home.
- **Web Site:** Carl Rimmer, W8KRF, I keep it up as best that I can. I made some changes and additions today.
- **DX:** Al Moriarty, N8CX, there has been a lot of noise. There have been a lot of sun flares and the bands are terrible.
- **Repeaters:** We are having trouble getting work done on the repeaters. We need someone who will have the time and knowledge to work on the repeaters. If anyone can help out, please contact Carl Rimmer, W8KRF.

#### Old Business:

**Field Day:** We will have a meeting at the site on Sat., June 8<sup>th</sup> at 10:00 a.m. Field Day is on June 22 and 23. We will be using a new logging program this year. We need operators/loggers. We will **not** be setting up on Friday. Saturday we will have hot dogs, potato salad & chips for lunch and for dinner we will have pizza. Sunday morning, we will have biscuits and gravy. Bring your own beverages and anything else you want to eat, we will provide drinking water and coffee. ARRL Field Day Pins will only be given to NOARS members who log in on the network and operate or log contacts.

**NOARSfest:** It will be on July 20<sup>th</sup>. It will be held at Lorain County Community College, in the Spitzer Center. We need a lot of help in the flea market, selling tickets and flea market spaces.

#### New Business:

No new business.

The meeting was adjourned at 8:15 p.m.

**K  
8  
K  
R  
G**

**A Few Of The Call-Signs  
Heard On The NOARS Nets.**  
Wednesday and Thursday nights  
On The 146.700 Repeater In Elyria

#### May 2013

KD8JNK – W8KYZ – W8KRF – W8ADV – KA8WQL – NQ8T –  
K8HRD – N8CX – WD8UPA – WD8ADG – W8KYZ – K8CMD –  
KD8KAA – N8COI – KF8PM – W8RET – W8FJR – KD8TCZ –  
KY4CA – KD8URR

#### 10 Meter Check-ins

NC8X (NCS) – K8AGW – KF8PM – W8RET – W8FJR –  
KA8WQL – KD8MUF – W8KYZ – W8KRF – KD7HZP –  
K8RWC – KK4PIV (NC) – N0TW (FL) – N0ZNA (MO)

#### **NOARS Has Three Nets For You!**

On: 146.700 MHz Repeater, and 28.370 MHz

#### **The 8:00 PM Tuesday Night 10 M Net**

Join Tim, NC8X for this ever growing net.

#### **The 9:00 PM Wednesday Night Rag Chew Net**

One of the longest running two meter nets in northern Ohio! You all are welcome to this informal friendly net.

Hosted by: K8HRD– KD8JAN– KD8JNK – N8COI

#### **The 8:00 PM Thursday Technical Discussion Net.**

You don't have to be a techno-geek to enjoy this friendly net slanted toward the technical side of the hobby.

Hosted by: W8KYZ - KD8JNK - K8WRS - N8COI

## OPDX Bulletin #1109

- **SU, NIGER** Pierre, HB9AMO, will be active as 5U9AMO from Niger between April 20th and May 30th. Activity will be holiday style on 80-10 meters CW using a TS-50 and a low hanging long wire. QSL via MOURX. Log will be uploaded to LoTW and ClubLog. For more details, updates and a log search, visit Pierre's Web page at: <http://www.hb9amo.net>
- **6V7, SENEGAL** Luc, F5RAV, will once again be active as 6V7T from Le Calao Resort, La Somome, between April 26th and May 5th. He will be operating from Jean-Francois, 6W7RV, QTH. Activity will probably be the same as last time -- on SSB and PSK31, and on 160-10 meters (including 17 and 12m with a dipole only). He will also participate in the Helvetia Contest (April 27-28th). QSL via only direct to his home callsign. See details on ([QRZ.com](http://QRZ.com)). Also, visit his BLOG page at: <http://f5rav.free.fr>
- **DXCC (At Dayton Hamvention 2013)** Bill Moore, NC1L, reports [edited], "The 2013 Dayton Hamvention is rapidly approaching and once again ARRL Awards staff will be on hand to check applications not only for DXCC, but all ARRL awards: DXCC, WAS, VUCC, WAC and Extra Class Certificate. While we will be there all weekend we suggest that you not wait until Sunday to have your application checked." A detailed PDF file is available to help guide you through the card checking process so that everything proceeds smoothly at: [http://www.arrl.org/files/file/DXCC/2103\\_Dayton.pdf](http://www.arrl.org/files/file/DXCC/2103_Dayton.pdf) If, after reviewing the PDF file and you have questions, send an E-mail to Bill Moore, NC1L, at: [bmoore@arrl.org](mailto:bmoore@arrl.org)
- **GB7, ENGLAND (Special Event)** Bill Cross, G0ELZ, Chairman of the Marine Museum Society, Wallasey, UK, and David Oakden G3UFO, have announced that special event callsigns GB70BOA and GB70WA will be on the air between May 20-27th. The event will be hosted by the Marine Radio Museum Society (Wallasey) [resident callsign GB4FPR], at Fort Perch Rock New Brighton. Members of the Wirral and District Amateur Radio Club (WADARC), the Chester & District Amateur Radio Society (CADARS) and the Tall Trees Contest Group [G5D] (based in Cheshire) will activate GB70BOA from Fort Perch Rock at the Mersey entrance and GB70WA from the Leasowe Lighthouse. The activity is to commemorate the 70th anniversary of the Battle of the Atlantic. Approximately 2,800 merchant ships were lost during this battle and 30,000 merchant seamen lost their lives. Similarly, 30,000 Allied Naval and Air Force personnel and 30,000 Kriegsmarine sailors also lost their lives. These numbers vary according to whose history of WW2 you read, and the above numbers are a rough average. Operations will take place on all band 80-10 meters, as well as VHF/UHF operations on 144 and 432 MHz on all modes. This event is especially important to Liverpool and other Merseyside hams because the battle was commanded from the Western Approaches command and is now a premiere WW II museum in Liverpool. Operators are hoping to make over 2800 contacts during this period. A special QSL card is being produced in commemoration. More details can be found on ([QRZ.com](http://QRZ.com)) as well as: <http://www.clanlinereunion.co.uk/BA70-page10.html> GB70BOA and GB70WA are part of the official recognition of this event.
- **HI7, DOMINICAN REPUBLIC** Ronny, ON4ARV, will once again be active as HI7/OT4R from Punta-Cana, **Dominican Republic (NA-096)**, WLOTA 2974, WW Loc. FK58TN), between May 10th and June 1st. Activity will be on 20/15/10 meters on SSB and PSK, between 2000-2200z every day. Suggested frequencies are: 14266, 21226 and 28450 kHz. QSL only via LoTW and eQSL. More info is available on his Web site at: <http://www.OT4R.net>
- **IOTA NEWS EU-174.** Laci, HA0HW, will once again be active from **Thassos Island** (GIOTA NAS-037, MIA MG-124, WLOTA LH-4186, QRA KN20HS), but this time as SW8WW (ex-J48HW) between May 23rd and June 5th. He will operate mainly CW, with some SSB and RTTY, on the HF bands (usually on 40/30/20/17 meters) and on 6 meters. He will enter the CQWW WPX CW Contest (May 25-26th) as a Single- Op/All-Band entry. His rigs are usually a FT-840 with a MOS-FET amplifier (300-400 watts) and an IC-706 (for 6m only). Antennas are a monoband Gps and dipoles on fishing poles. QSL via his home callsign, direct or by the HA Bureau.
- **JD1, OGASAWARA** Just a reminder that Harry, JG7PSJ, will once again be active as JD1BMH from **Chichijima Island (AS-031)** between April 22nd and May 4th. Activity will be on 40-10 meters using CW, SSB and RTTY. QSL via the Bureau to JD1BMH or direct to JG7PSJ. Visit his Web page for more details at: <http://jd1bmh.zxq.net>
- **T6, AFGHANISTAN** Jesse, KB2OBQ will once again be active as T6JP from Panjwai in the Kandahar Province starting May 15th through August 2014. Activity will be on 160-10 meters (mostly 40/20/10m) using 100 watts, on CW and SSB. Logs will be uploaded daily (if possible) to LoTW, eQSL, QRZ.com. For more details, see ([QRZ.com](http://QRZ.com)) (under T6JP).

*Please Note: This is only a SMALL part of: OPDX Bulletin 1109. LOG onto: [www.papays.com](http://www.papays.com) for the rest (Space permitting, only the parts relative to the time of distribution of The N.O.A.R.S. Log Were Included Here)*

### NEW CONTEST (RaDAR 2013)

The RaDAR-America contest is an event aimed at promoting the use of Rapidly Deployable Amateur Radio stations throughout North and South America. This contest is for all licensed radio amateurs. A choice is made prior to the contest to participate in one of the defined categories. The points system is so structured as to encourage portable operation, especially moveable stations. The event takes place the first Saturday of April and first Saturday of November starting at 14:00 UTC and ending at 18:00 UTC (4 hours). Complete rules can be found at: <http://radar-america.blogspot.com>

JUNE CONTEST CORNER			MODE		
DATE TIME	BANDS	NAME	PH	CW	DG
6/1 0000 - 6/2 2400Z	10	Ten-Ten Open Season			<b>X</b>
6/1 1500 - 6/2 2359Z	6	6 M World Wide Club Contest	<b>X</b>	<b>X</b>	<b>X</b>
6/8 1800 - 6/10 0300Z	6+	ARRL June VHF Contest	<b>X</b>	<b>X</b>	<b>X</b>
6/12 0030 - 0230Z	80-20	NAQCC Monthly QRP Sprint		<b>X</b>	
6/15 1800 - 2400Z	80-10	Kids Day	<b>X</b>		
6/15 2000 - 2200Z	10	Feld-Hell Field Day Sprint			<b>X</b>
6/17 0100 - 0300Z	160-10	Run For The Bacon		<b>X</b>	
6/22 1800 - 6/23 2100Z	160-6+	ARRL Field Day	<b>X</b>	<b>X</b>	<b>X</b>

Check for updates, additional contests, and a downloadable PDF version online at [www.arrl.org/contests](http://www.arrl.org/contests)

## For Sale & Advertisement's Page

All Submissions must be sent to [noarslog\(at\)noars.net](mailto:noarslog(at)noars.net) or to: NOARS Log, 161 Herrmann Drive, Avon Lake, OH. 44012  
 Deadline for submissions is the Third Tuesday of each month. All must include Asking price, sellers name, call sign and phone number.  
 Ad's from current NOARS members (or paying advertisers) only will be accepted! Notice! All ad's will be removed (unless updated) after three months (as space is needed)! NOARS reserves the right to refuse ads at our discretion.

### FOR SALE

#### MICROPHONES

3 mics for \$10.00.  
 Tempo Hm-5/ Yaseu 4-pin/ Realistic 5-pin/

#### LOW PASS FILTERS

3 filters for \$10.00  
 Drake TV-42-LP/ Bencher YA-1/ Gold Line/

#### POWER SUPPLY

23 AMP SAMLEX SEC-1223, switching p. s.. New 9/12.  
 \$80.00

#### HT's

Yaseu FT-411E, 2meter w/charger, soft case, original box \$45

Alinco DJ-580T/E, 2/440, charger, speaker mic, needs battery, \$35.00

Icom IC-02AT, 2 mtrs., speaker mic., charger, needs battery, \$25.00.

#### MISCELLANEOUS

Mobile Mounting Bracket, 7.5" inside dia.. \$5.00

AA/AAA Maha battery charger, w/box, instructions. \$15.00

10 W. Midland power speaker, w/bracket, audio & power leads, manual. \$15.00.

K-COM RF-1, Telephone Interference Filter. \$5.00

#### ANTENNAS

KLM 440-16X YAGI, 420-450MHZ., new. \$10.00

Cushcraft CL-116 yagi, 2 meter, new. \$15.00

2 meter - 440 HT duck antennas, Alinco vhf/uhf, Yaseu, Icom, Santec. \$5.00 each.

AEA and Vocom telescoping ant., 4 ft., \$8.00.

**MAKE OFFERS TO W8KYZ, TOM,  
 440.930.9115.**

- Ameritron AL-811 amplifier (good condition)
- Kenwood TS-440-S, HF 160 - 10 m (USE FOR PARTS ONLY)
- MFJ-986 3kw Roller Conductor Tuner
- Kenwood PS-430, 30amp, for Kenwood 430 (NEEDS FAN)

(MAKE OFFER ON EVERYTHING OR SEPERATELY)

**KD8HZZ, Art Mills, Elyria, 440.366.6875.**

**N8TN Vic Woconish** - 143 Longford Ave 7/12  
 Elyria, Oh 44035-4033

Home Phone 440 365 6672 - Cell Phone 440 458 2563

- Yaesu FT-ONE General Coverage All Solid State Transceiver
- Tri-Band Beam 10-15-20 Meters, All Aluminum (W3DZZ) 64 LBS Total
- 3 (Three) Ham M Rotors With Locking Brakes
- 4 Element 10 Meter Beam
- 3 Element 15 Meter Beam
- 1 - 20 Meter Driven Element Aluminum, Omega Match
- 1- 15 Meter Driven Element Aluminum, Omega Match
- 52 Ft Tower
- Dual 21 Element Beam for 440
- Dual 9 Element Beam for 137.500 MHZ for Satellite Receiving

All Rotor controls and Hardware Included

\$2500.00 Takes all

### **Yaesu VX-7R (Black)**

**50/144/430 FM 5W, 300 mW on 222MHZ,  
 500kHz-999Mhz Receive w/Cell Blocked.**

**Charger, rubber duck, external mic and leather case included.**

**Low hours, excellent shape. \$330.00**

**Jeff Dettmer, K8JAD**

[k8jad@yahoo.com](mailto:k8jad@yahoo.com)

**216-244-2775**

# Happenings!

Our June membership meeting program will come only a few days before Field Day weekend. We will discuss final plans.

Also, Clark N8PZD will give a short presentation on a logging program he uses called Micro Log.

**IMPORTANT: EVERYBODY** who is logging, bring your computer to the Pre-Field Day meeting on June 8<sup>th</sup>. This will be our last chance to test the system at the actual FD site.

## NODIG announces an Ohio Area Wide D-STAR Net

Sunday Nights at 8:01 PM on **XREF038A**  
or any system linked to it.

Local RF on WA8DIG B or WB8THD B  
DV Dongles, DVAPs, Hotspots link to XREF038A

## For Sale (continued)...

From the Estate of Robert Super, N8HDE (SK):

- 48' Rohn BX-48 Tower (standing)
- Hygain T-2X Tailtwister rotor and controller
- Force 12 XR-5 10-element (18' boom) yagi (10, 12, 15, 17, 20 meters)

Excellent condition. Must be taken down, disassembled, and transported by purchaser. Retail value: \$3,764 Asking: \$1,750 for all. No partial sales.

Contact: W8KYZ (440) 930-9115



### Mission Statement:

#### The Northern Ohio Amateur Radio Society

Is A Public Service Organization With The Purpose And Goal To Enhance The Amateur Radio Service Through Education And Fellowship.

- Meetings are held at 7:00 p.m. sharp on the third Monday of every month at Gander Mountain's "Gander Lodge" room! It is located at 5244 Cobblestone Rd. Sheffield Village, Oh. 44035. The meetings are open to the public and all are welcome. Tune in to the 9 pm Wednesday night NOARS net on the 146.700/444.800 MHZ. repeaters located downtown Elyria, Ohio for changes or updates in this schedule. Also the 146.700/444.8 repeater hosts the technical discussion net on Thursday Night at 8:00 pm.
- N.O.A.R.S. Repeaters can be heard at 146.700 (-) PL 110.9 & 444.800 (-) PL 131.8 in Elyria, OH, as well as, 145.150 (-) PL 110.9 in North Royalton, OH.
- Regularly scheduled NOARS nets are every Tuesday night at 8 pm on 28.370 MHz, Wednesday night at 9 pm. for the rag-chew net and every Thursday night at 8 pm. for the technical discussion net on 146.700/444.800. The Youth Net is on Fridays at 5 pm. All licensed amateurs are welcome. NOARS membership is not necessary to participate. In fact all participation is encouraged and appreciated.
- NOARS can be found on the World Wide Web at: [http://www\(dot\)noars\(dot\)net](http://www(dot)noars(dot)net)
- NOARS Hosts two hamfest/computer shows annually. The winter hamfest in early February and the summer classic NOARSFEST hamfest and computer show in mid-July.

If this is your first copy of the NOARS log. Why not become a member and receive it on a monthly basis? Membership is open to anyone interested in communications. The dues schedule is: Full \$10, Associate \$5 (non -licensed), Family members of a full member are only \$2 ea. Make checks payable to NOARS and mail them to:

**NOARS Membership Committee, 161 Herrmann Drive, Avon Lake, OH 44012**

**More items from the estate of Robert Super, N8HDE (SK):**

For more information or to make an offer, call Tom W8KYZ (440) 930-9115

50' Old-style Rohn tower. 5-sections; good condition. \$200 obro



Hustler 5-BTV 5-Band Trap Vertical; needs some work. \$75 obro



Hygain Rotor and controller; weathered. \$50 obro



2 M Cushcraft Boomer Yagi; needs work. Make offer

6 M 3-element yagi; needs work. Make offer  
(Leaning against garage)



These items have been donated to NOARS by Bob's wife, Helen.

(Cut on dotted line)

**N.O.A.R.S.**  
161 Herrmann Drive  
Avon Lake, OH. 44012



THE NORTHERN OHIO  
AMATEUR RADIO SOCIETY

**49**

Years Serving  
The Amateur Radio  
Community

U.S.  
Postage

Dated Material

Mailing Label