



NOARS LOG

**Our
45th Year**
Serving The
Amateur Radio
Community

www.noars.net

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

Welcome to NOARS country!

October 2009

NOARS Meetings Are Held at the
American Red Cross Building in Elyria
On The Third Monday
Every Month! @ 7:30 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
* Nominations for 2010 officers				1 Tech NET 8 pm. NCS: WB3JVK	2	3 Lorain County Emergency Drill
4	5 ARN 8PM	6	7 NOARS NET 9 pm. NCS: WD8ADE	8 Tech NET 8 pm. NCS: W8KYZ	9	10
11	12 ARN 8PM	13	14 NOARS NET 9 pm. NCS: WD8OFG	15 Tech NET 8 pm. NCS: K8RWC	16	17
18 VE Testing 1PM	19* NOARS Meeting ARN 9PM	20	21 NOARS NET 9 pm. NCS: W8WFQ	22 Tech NET 8 pm. NCS: N8CX	23	24 Burke Lakefront Disaster Drill
25	26 ARN 8PM	27	28 NOARS NET 9 pm. NCS: W8KRF	29 Tech NET 8 pm. NCS: W8FAN	30 Pumpkin Patrol	31 Pumpkin Patrol

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The Northern Ohio Amateur Radio Society **K8KRG**



October, 2009 Volume 45 Issue 10

Welcome to **NOARS**

←—————→
FIRST PLACE.....

For those of you who may not have heard, I am excited and proud to announce that this newsletter has won First Place in the Ohio Section Newsletter Contest. I was honored to attend the Ohio Section Conference on September 12 to accept the award on behalf of NOARS. It is also important that we recognize that the person who is most responsible for this achievement is John, WD8IQJ since he designed the template and the format that is currently being used by me. Thanks John and congratulations.

As we have done for decades, NOARS is being asked to once again assist with communications during the Halloween season in support of the annual Pumpkin Patrol. We do not have all the details as of this printing, but if you are interested in volunteering for this public service event, please contact Rich, KB8MIS at 440-327-1480 (leave a message.) Details will be announced on the weekly nets and posted on the website as they become available.

The December banquet is rapidly approaching so make sure you sign up soon. If you can not make the next two meetings, send me an email with your name, call, the number of guests, and their first names.

We can not forget that our Winter Hamfest is in February. We will be asking for help, especially in the kitchen. Dee Dee will be the Chairperson once again. Contact her if you can help out with the setup or operation of the hamfest.

Nominations for the 2010 officers will be taken at the next meeting so please plan to be there...October 19. See Page 8.

Best 73 and CUL.....

Carl W8KRF

Carl F. Rimmer, W8KRF Acting *Editor of the NOARSLOG*
Write: Editorlog2009, 161 Herrmann Drive, Avon Lake, OH.
44012
Or: E-Mail me at: w8krf@noars.net

Who's who at NOARS?

2009 Elected Officials

President:.....W8KRF Carl Rimmer
Vice President:.....N8CX Al Moriarty
Treasurer:.....W8KYZ Tom Porter
Secretary:.....KA8VTS Darlene Ohman

K8KRG License Trustee

W8EU Mike Willemin

Committee Heads for 2009

Newsletter Production: WD8IQJ John (*Editor*)
W8KRF Carl (*Asst Editor*)
W8KYZ Tom (*Producer*)
A.R.R.L. V.E.:.....W8KYZ Tom Porter
W8KRF Carl Rimmer
Education Committee: W8KYZ, W8KRF, WB3JVK
Property Manager: WD8BJY Doug Krucinski
DX Correspondent: N8CX Al Moriarty
Net operations Managers: WD8IQJ John McKenna
WD8OFG Harold Drake
Hamfest Crew: KA8VTS Darlene Ohman
N8CX Al Moriarty
N8PZD Clark Beckman
Webmaster@www.noars.net: W8KRF Carl Rimmer
K8JWS John Schaaaf
Sunshine Committee: KD8SC Rosemary Shook
Repeater Upkeep: WB3JVK Stephen Robbins
N8PZD Clark Beckman
Membership: WD8IQJ John McKenna
Elmer Corp. Representative: W8ADV Ray Smith

NOARS IS ON THE AIR!

Weekly Nets:

146.700 Wednesday Night Rag chews 9 pm local
NCS: WD8OFG – WA8ADE – W8KRF – W8WFO –
KD8GXL

146.700 Thursday Technical discussion net 8Pm Local
time NCS: W8KYZ – WB3JVK – N8CX – K8RWC –
W8FAN – K8WRS

All are welcome on NOARS nets!

Roll Call: September Meeting:
24 members and guests in attendance

K8WRS
 WD8OFG
 W8DJG
 N8CX

KA8HKQ
 W8TAS
 WD8ADE
 KB8IOS
 WB3JVK

W8RET
 KD8SC
 W8WFQ
 W8EU
 N8PZD

W8FJR
 KC8BXH
 W8KRF
 KD8GXL & Michelle
 W8FAN

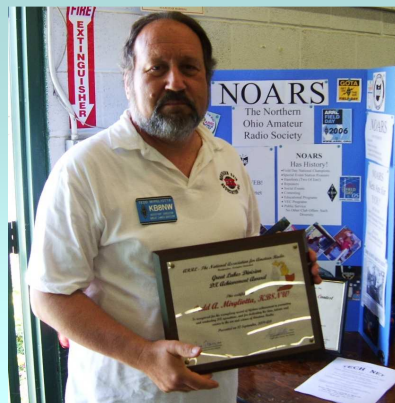
W8ADV
 KC8BQO
 KA8VTS
 N8VUB

Membership News

Welcome to our newest members, Darrell, KD8KMH and Joe, KB8OYS.

Our condolences to Gary KD8KAA, Angela and their family on the passing of Gary's mother in September.

 Congratulations to Tedd, KB8NW for winning the
 Great Lakes Division DX Achievement Award.



FYI...

This information was provided by Henry K3LOW----

World Radio magazine ceased publishing a hard copy of their monthly journal, but they are still publishing by posting PDF documents on the web. Best of all, Carl Luetzelschwab, K9LA still writes his monthly propagation column for them. :-)

Go to <http://www.cq-amateur-radio.com/WorldRadio.html> and click on Back Issues in the left column. You can download the entire content of all 2009 issues by right-clicking on the link below each month, then saving to your drive. Carl's column is always in the higher numbered pages, so if you want to get to his column quickly, just download the last section only. Carl is very knowledgeable about propagation, and his articles are always interesting and informative.

**Minutes of the September 21, 2009 Meeting
Submitted by: Darlene Ohman, KA8VTS**

The meeting began at 7:30 p.m., 24 members and guests present.

- **Treasurers Report:** Tom Porter, W8KYZ was read and a motion was made and seconded to accept the report. The motion was passed.
- **Secretaries Report:** Darlene Ohman, KA8VTS, there were no minutes last month because we had the picnic instead of the meeting.
- **Education Committee:** Carl Rimmer, W8KRF, we will be having a technician class at Fairview Hospital beginning on Tuesday, November 10th for eight (8) weeks. All you need is a Technician Manual. Contact me if you want to take the class.
- **Newsletter and Membership:** Carl Rimmer, W8KRF, we received First Place in the State of Ohio for our newsletter. John McKenna, WD8IQJ is the person who put the newsletter together and I took it over for him when he went into the hospital. John is the person who should get the credit for the newsletter being as good as it is. If you have anything that you want to put in the newsletter, let me know. Membership, we have 1 new ham, we now have 102 members at the present time. We are going to be putting out a updated roster very soon.
- **Nets:** Harold Drake, WD8OFG, everything is going well. Everyone is in their place and doing a good job.
- **Sunshine:** Rosemary Shook, KD8SC, in August I sent a card to Mark Bally, W8FAN, his mother passed away. In September I sent a card to Gary Lasko, KD8KAA, his mother passed away. I sent a plant to Richard, K8WRC who had been hospitalized. Mike, W8LZB passed away, he will be missed.
- **Web Site:** Carl Rimmer, W8KRF, I am going to start simplifying the web site, making it easier to find things.
- **DX:** Al Moriarty, N8CX, the long awaited Glorioso Island, FT5GA is on the air. Beware of pirates.
- **Repeaters:** Steve Robbins, WB3JVK and Clark Beckman, N8PZD, the repeaters are working well. We will work on a proposal to present at the next meeting.

Old Business:

- **Picnic:** Everyone that came had a good time. But I wish we would have had more people come. I think that the threat of rain made people stay away.
- **Xmas Banquet:** It will be held at the Old Century Buffet on Griswold Rd., Elyria, OH on December 5, 2009 at 6:30 p.m. The price of the tickets is \$11.00 per person. We will be taking sign ups until the November meeting.

New Business:

- **Nomination Committee:** Robert Tome, W8RET and Frank Reese, W8FJR will co-chair the nominating committee. Next month they will have a list of the nominees.

The meeting was adjourned at 9:00 p.m.

**A Few Of The Callsigns Heard On The
NOARS Nets. Wednesday and Thursdays nights
On The 146.700 & 444.800 Repeaters In Elyria**

September 1- September 23

**K8AD - W8DADE - W8ADV - K8AGW - W8AJZ -
KB8BBZ - W8BHJ - W8FAN - W8FJR - W8GWD -
KD8GXL - KD8JAN - WB3JVK - KD8KAA - W8KRF -
W8KYZ - W8LGM - WD8OFG - KB8PRK - W8RET -
N8RVE - K8RWC - W8TAS - KC8VFE - KA8VTS -
W8WFQ - K8WRS - KB8ZUN**

NOARS Has Two Nets For You!

on 146.700 & 444.800 MHz Repeaters

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: WD8ADE - WD8OFG - W8WFQ - W8KRF - KD8GXL

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 - WB3JVK - N8CX - K8RWC - W8FAN - K8WRS

Where's the DX?

Taken From *KB8NW Tedd's OPDX Bulletin*.

NOTE! This is but a very small part of the complete OPDX Bulletin that can be found at www.papays.com/
 The Ohio/Penn DX bulletin now has a new FAX number
 Contributors can send DX information to: 1-419-828-7791 FAX only!

3D2/C, CONWAY REEF (Update) Updates for this one are expected to be on QRZ.com (under 3D20CR). The crew plans to start operations on October 1st. Suggested frequencies are:

CW - 1826.5, 3505, 7020, 10104, 14024, 18080, 21024, 24894, 28024 and 50124 kHz

SSB - 3799, 7070, 14190, 18145, 21290, 24950, 28490 and 50124 kHz

RTTY - 10140, 14080, 18110, 21080, 24920 and 28080 kHz.

Look for a 6m beacon to be on 50124 kHz. QSL via DJ8NK, by the bureau or direct (new IRCs are OK, old IRCs with expiration date of "31 Dec. 2009" are "NOT" OK. QSL cards are most likely to be sent out in January 2010). For more details and possible updates, see their Web page at: <http://www.conwayreef2009.de>

E21, THAILAND Tinkon, E21NPZ/8, will be active during the CQWW DX SSB Contest (October 24-25th) as a Single-Op/Single-Band (40m)/Low-Power entry. QSL via E21NPZ.

FT/G, GLORIOSO ISLAND (Update) The FT5GA team continues to be on the air and is trying to satisfy the international Ham radio community. As of September 27th, they have made over 26.6k QSOs with 9.4k unique callsigns (12885/CW, 11676/SSB and 2070/RTTY). The team has had some problems with radios (two transceivers went down out of the four they had, but one was repaired). FT5GA was active during the CQWW DX RTTY Contest this past weekend. Still most stateside stations report that the FT5GA signals are very weak and propagation is not helping. Operations will last until October 5th, as per the Web page at: <http://glorieuses2008.free.fr> QSL Manager is F5OGL: Didier Senmartin, P.O. Box 7, F-53320 LOIRON, FRANCE. Online log is available at:

<http://www.clublog.org/charts/?c=FT5GA>

IOTA NEWS

EU-104/ Claude, F5MCC, will once again activate some of Corsica's **EU-164** coastal islands as TK/F5MCC between now and October 2nd. He was heard last week on **EU-014**, but is expected to activate **Sanguinaires Islands (EU-104)**, DIFM TK-002, MIA MCO-022, WLOTA L 0098) soon and also Lavezzi Islands (EU-164, DIFM TK-011, MIA MCO-007, WLOTA L 0755). **NA-110**. Rich, K3RWN, will once again activate the **Isle of Palms** (USI SC001S, Charleston County, South Carolina) between September 26th and October 2nd. Activity will be mostly SSB/RTTY/PSK31 with a focus on 30 meters for the Digital modes and 40/20 meters for SSB. This will be a portable operation using only 100 watts into a PAC12/Buddipole antenna. While on the beach, Rich will try some QRP SSB operations using his FT-817 and 5 watts. QSL via his home callsign (QRZ.com). **OC-070**. Hotang, YC0IEM, will be active as YC0IEM/8 from **Ambon Island** between October 4-23rd. Bands and modes of activity were not provided. QSL via IZ8CCW. **OC-142**. Ray, K9LUK, will be active from **Fraser Island** (WLOTA L 2976, Queensland State, Australia) between October 18-23rd. Callsign was not provided. Activity will be on all HF bands. QSL via his home callsign (QRZ.com).

J79, DOMINICA (Update)

By the time you read this, operators Babs/DL7AFS and Lot/DJ7ZG should be active as J79ZG from the city of Calibushie (Loc. FK95HO and NA-101) between now and October 15th. Activity will be on 80-6 meters on the usual DX frequencies, mainly on CW, SSB, RTTY and PSK, as well as 6 meters. They will look especially for JA stations. QSL via DL7AFS. Their Web page for this operation is: http://www.qsl.net/dl7afs/Index_J7.html

KH4, MIDWAY ISLAND (Press Release)

Tom/N4XP and Dave/WB4JTT, co-leaders for the 2009 Midway Island Dxpediton, sent out the following press release number 7 dated September 23rd (edited): "There is less than a month to go before the K4M team hits the air. Our final dates are now set. We arrive on the Island on October 9th and our return will be October 19th. That gives us two weekends to be QRV. Our website was updated this week with interactive propagation charts. Pick a month and then the time and it will show you openings from KH4 to the world at that moment. The team wishes to thank those 15,000 DXers who voted on our web poll. If you haven't voted on your needed band/mode please do so now as we are going to use this to schedule our operators. We also appreciate all the comments left for us there. Our website is, <http://www.midway2009.com> If you haven't visited it in a while stop by and help support our effort. This month we are highlighting four more team members. You can read all their history at:

<http://www.midway2009.com/meettheops6.html>

KH0, MARIANA ISLANDS

Yoshi, JK2VOC, will once again be active from the Northern Marianas (OC-086) as KH0/JK2VOC between October 23-26th. Activity will include the CQWW DX SSB Contest (October 24-25th) as a Single-Op/All-Band entry. Look for activity before the contest on 30/17/12 meters. QSL via his home callsign, by the Bureau or direct to: Yoshihiro Fukuta, 7-9 Mikawa, Tsu-City, Mie 514-0045 Japan

KL5, ALASKA (Special Event)

Look for special event station KL5O to be active on the air in observance of Alaska Day. Activity will take place between 1800z, October 18th and 0600z, October 19th. Operations will be on 160-10 meters, including 30/17/12 meters. Modes will be CW, SSB and RTTY. Details from the KL5O Web site states, "Operation will be scheduled to facilitate working North American stations, though all stations world- wide are encouraged to participate. See the 'On The Air' link for time/ frequency/mode information." QSLs are available via the LoTW, eQSL and if you want a hard copy QSL card, the QSL manager is AC7DX. For more information, visit the KL5O Web site at: <http://www.kl5o.com>

Please Note: This is only a SMALL part of: *OPDX Bulletin #927 LOG TO: 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.)*

OCTOBER'S CONTEST CORNER			MODE		
DATE	BANDS	NAME	PH	CW	DG
10/3	160-6	PSK Rumble- The Fall Classic			X
10/3-10/13	80-6	Digital SSTV Contest			X
10/10	10	10-10 Sprint	X	X	X
10/11	80-20	North America RTTY Sprint			X
10/11	80-10	SKCC Monthly Weekend Sprint		X	
10/17-10/18	160-6	W/VE Islands QSO Party	X	X	X
10/19-10/23	160-6+	School Club Roundup	X	X	X

Check for updates, additional contests and a downloadable PDF version online at www.arl.org/contests

Got 6?
 Contributed By N8OFS Andy

50MHZ OPEN
 DATE10:OCT27 1800Z-2200Z 2009
 MODES:USB+FM
 EXCNG:CALL+RS+GRID6
 INLOG:CALL+RS+GRID6
 SPOTS:OK
 LOGTO:oz6om@uksmg.net
 RULES:<http://qsl.net/oz6om/the50mhzopen/The50MHzOpen.html>

WANT MORE 6?
 Go to: <http://www.noars.net/got6/GOT6.txt>

For Sale & Advertisement's Page

All Submissions must be sent to w8krf@noars.net or sent to: 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 after three months (as space is needed) unless updated! NOARS reserves the right to refuse ads at our discretion.

WD8IQJ John (216) 544-5761
6/09

- **Beam Antenna SIX Meters**
5 element antenna (Cushcraft?)
New hardware! Get ready for the
summer band openings!
- **Sears / Konica 35MM SLR** (film)
camera Many extras / lenses \$200

Phil's Ham Radio Store

Ham Gear – Accessories
512 Broadway, Ste 103
New Haven, IN. 46774
(888) 562-8927
Fax (260) 399-6230

Email: sales@philshamradiostore.com
Web: www.philshamradiostore.com

W8TAS Ted (440) 365-8041
6/09

- **KLM KT-34-A** six element
beam 10-15-20 36' boom
one of a kind (big gun)
\$300 (bring your truck)

W8KYZ - Tom (440.930.9115)

8/09

- **Micronta SWR/Power Tester-Meter.**
20W/200W/2000W. 50 Ohm. Model 21524 (3 - 30
MHZ)...\$10.00.
- **World Radio Lab. "Globe Scout" 75 Watt CW Transmitter.**
Model 90. With Instruction Manual...\$40.00.
- **Whisper Fan by Rotron Inc.** Model WR2HI 115V 50/60
HZ. 4 1/2" X 4 1/2 X 2" High....\$5.00
- **Electro Products Laboratories Model "BJ" Junior
D.C. Power Supply** (6 Volts Adjustable) Metered (0 - 20 Volts
Input) and (0 - 20 Amperes Output)...\$20.00.
- **Manual for World Radio Lab.** Transmitter Model 680A.
Make Offer.
- **Manuals – FREE**
 - CORNELL-DUBILIER MODEL AR-22R ROTOR MANUAL.
 - KENWOOD MC-60A MIC, INSTRUCTION MANUAL
 - ELECTRO-VOICE MODEL 664 CARDIOD MIC. MANUAL

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We Buy & Sell

WANTED:
NEED MIC. FOR ICOM 2100H, HM-98S,
or HM-118.

CALL JIM (N8MPC) 440.774.1275.

FOR SALE:

8/09

Ameritron AL-811H Amplifier...\$550.00

Icom IC-746 2m, 6m, 10-75m with matching PS-125
power supply and Heil ICM Microphone with desk
stand...\$1,000.00

Hustler 5 BTV Antenna; 10, 15, 20, 40 & 75 meters with
stainless radial plate, bolts, nuts and wire
included...\$150.00

Arrow GP52 6m ¼ wave antenna on 20' mast...\$40.00

ALL ITEMS IN A1 CONDITION

Contact: **Bob Metz KC8POL**
440-887-0466

Palstar AT1KM HF antenna tuner in mint
condition. Nonsmoking environment. Pictures
on request. \$310.00

Call N8KJG (Ken Golubski) 440-452-9765

This space is available for your
ad.

Contact:

w8krf at noars dot net

NOARS Log wins First Place in Ohio Section Newsletter Contest



First Place Certificate



Carl W8KRF accepts First Place Certificate from Frank, KI8GW

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 7:30 p.m. sharp on the third Monday of every month. At the Elyria Red Cross facility, 2929 West River Rd. (just South of Detroit (Rt. 254)) in Elyria, OH.
- The meetings are open to the public. And all are welcome. Tune to the 9 pm. Wednesday night NOARS net on the 146.700/444.8 MHz. repeaters on the E.S.T. bank Building in 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 (-) - 444.8 (-) in Elyria, OH. and 145.15 (-) In North Royalton OH.
- Regularly scheduled NOARS nets are every Wednesday night at 9 pm. on 146.700 for the rag-chew net and every Thursday night at 8 pm. for the technical discussion net. 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.noars.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

NOARS MEMBERS

Bob Tome (W8RET) and Frank Reese (W8FJR), as the co-chairs of the NOARS Nominating Committee for 2009-2010, are seeking eligible nominees for the office of President, Vice President, Treasurer and Secretary for the year of 2010. Article VIII of the Constitution requires a candidate for office must have attended at least four (4) meetings during the previous 12 months. Those eligible to hold office are as follows:

Carl Rimmer (W8KRF)	President	
Al Moriarity (N8CX)	Vice President	
Tom Porter (W8KYZ)	Treasurer	
Darlene Ohman (KA8VTS)	Secretary	
John Pearl (K8RWR)		
Bob Metz (KC8POL)		
John Morris (N8RVE)		
Keith Cook (KD8GXL)		
Harold Drake (WD8OFG)		
Bob Super (N8HDE)		
Ralph Wright (KC8VFE)		
Dick Keiper (KC8VFE)		
Julie Wilmer (WD8ADE)		
Joel Wilmer (W8WFQ)		
Joni Roberts (KC8BXH)		
Ken Roberts (KC8BQO)		
Joseph Cebula (W8GWD)		
Steve Robbins (WB3JVK)		
Rosemary Shook (KD8SC)		
Ted Shook (W8TAS)		
Mark Bally (W8FAN)		
Frank Reese (W8FJR)	440-365-8377	fr62@Windstream.net
Bob Tome (W8RET)	440-365-6829	tome0@oh.rr.com

Please notify this Committee of any additions or corrections to this published list. The current Officers have consented to remain in their current office if elected for the year 2010. Nominations for the office of President, Vice President, Treasurer and Secretary, will also be accepted from the floor by the membership present at the October meeting.

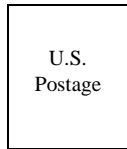
N.O.A.R.S.
161 Herrmann Drive
Avon Lake, OH. 44012



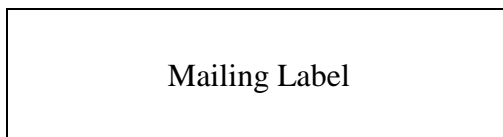
THE NORTHERN
OHIO AMATEUR
RADIO SOCIETY

45

Years Serving
The Amateur Radio
Community



Dated Material



(Cut on dotted line)



The Northern Ohio Amateur Radio Society

Membership Application

Mail Completed
Application with a check
or money order to:
NOARS
161 Herrmann Drive
Avon Lake, OH 44012

Call Sign _____ Class _____ Birthday Month _____

Name First _____ Init. _____ Last _____

Membership type: Full (\$10/yr) _____ Associate (\$5/yr) _____ Family* (\$2/yr) _____ Life/Honorary _____

Membership expiration date 12/31/____ ARRL Member? (Circle one) Y N

Street Address _____ Apt _____

City _____ State _____ Zip _____

Email Address _____ Keep private**

Phone (____) _____ - _____ Mailings: E-Mail Website USPS

Ham interests _____

*Call sign of family member _____ Amount Paid \$ _____

Mailings = Delivery method for Monthly Newsletter, Roster and/or Roster updates

** If checked, Email address will not be disclosed in roster

For Office Use:
Amt Pd: _____
Date Pd: _____
Renewal: _____
New: _____
Initials: _____
Data Entry: _____