



NOARS LOG

Our
42nd Year
Serving The
Amateur Radio
Community

The Newsletter of:
The Northern Ohio Amateur Radio Society

Welcome to NOARS country!

March 2006

NOARS meetings are held at:
GARGUS HALL
1965 N. Ridge Rd. Sheffield Oh.



V.E. Exam Schedule:
1 P.M. Third Sunday of each Month.
Elyria Red Cross 2929 N. Ridge Rd. Elyria, Oh.
(Across from old Midway Mall)

SUN	MON	TUES	WED	THUR	FRI	SAT
NOARS nets are open to ALL! Tune 146.70 VHF or 444.800 UHF			1 NOARS NET 9 pm. NCS: W8KYZ	2 Tech NET 8 pm. NCS: W8KYS	3	4
5	6	7	8 NOARS NET 9 pm. NCS: WD8OFG	9 Tech NET 8 pm. NCS: W8KYS	10	11
12	13 (VE Exams March 19 th 1 pm.)	14	15 NOARS NET 9 pm. NCS: WD8IQJ	16 Tech NET 8 pm. NCS: W8KYS	17	18
19 Toledo Hamfest	20 NOARS meeting 7:30 PM	21 Deadline For Dues! (See Page 3)	22 NOARS NET 9 pm. NCS: N8CX	23 Tech NET 8 pm. NCS: W8KYS	24	25
26 Lake Co. Hamfest	27	28	29 NOARS NET 9 pm. NCS: KC8TMZ	30 Tech NET 8 pm. NCS: W8KYS	31	

Editorial And Who To Contact	Pg 2	DX and Contest Corner - 444.8 Update!	Pg 5
Roll Call - NOARS News (Please Read) - Upcoming Events	Pg 3	For Sale & Ad's Page	Pg 6
Meeting Minutes & Happy Birthday to:	Pg 4	Puzzle 0206 -NOARS Mission Statement	Pg 7



The Northern Ohio Amateur Radio Society K8KRG March, 2006 Volume 42 Issue 03



Spring is on its way?

I keep saying that. HIHI It's just right around the corner! Just over the horizon. Well then perhaps its not too soon to mention field day. Not that I pay much attention to field day but at this writing it's just 121 days 7 hours and 21 minutes away. Not too soon indeed already we have a few of the station spots filled so you really need to think about where your going to be on field day (June 24 – 25) Tell them to schedule that trip to Auntie Em's another weekend. Who wants to sit thru a graduation exercise when you can be out smacking mosquitoes and playing the radio? No contest in my book! Tell 'em your plans are for Fieldday that weekend. After all they got you every other weekend (except for NOARSFEST).

It's come to my attention that we have a long time member joining the ranks of the Special Life Membership roster welcome to *N8HDE* Bob Super, congratulations and welcome aboard. Bob's been a great help and an asset to NOARS for many years. Look for others to join these ranks in the near future.

Well the passing of the name "Winterfest" for our winter hamfest ends an era. But something I've noticed about ham radio is that there is always a good signal under all forms of QRM. In other words. This gives us a chance to kick off a name search. The 2006 event was called "Winter Ham Fest" which was good. But I'll bet there are a lot of good suggestions out there! So lets have them! Send us your ideas! Keep in mind that the names must be marketable, and publishable. Otherwise the field is open to your imagination. Let me know! The executive and hamfest committees will consider all submissions. And make a decision sometime before February '07.

I heard from *KJ3O* Joann our A.R.R.L. club liaison. She notified me that our Special Service Club status has been renewed. Many thanks to the folks that took care of the renewal application details.

Best 73 and CUL..... *John*
John McKenna – *WD8IQJ* President NOARS
PO. BOX 432
Elyria, OH. 44036-0432
Or: E-Mail me at: wd8iqj@yahoo.com

Who's who at NOARS?

2006 Elected Officials

President: *WD8IQJ* John McKenna
Vice President *N8CX* Alan Moriarty
Treasurer *W8KYZ* Tom Porter
Secretary *KA8VTS* Darlene Ohman

K8KRG License Trustee

W8EU Mike Willemin

Committee Heads for 2006

News Letter Production: *WD8IQJ* John
A.R.R.L. V.E.: *W8KYZ* Tom Porter
Banquet: *K8PJS* Patrick Sweeney
N8DIU Gary Gargus
Property Manager: *WD8BJY* Doug Krucinski
DX Correspondent: *N8CX* Al Moriarty
USS COD Coordinators: *KA8WMX* Ted Jones
Net operations Manager: *WD8IQJ* John McKenna
Hamfest Crew : *W8KYZ* Tom Porter
N8PZD Clark Beckman
N8CX Al Moriarty

Web Master@www.noars.net: *K8JWS* John Schaaf
Sunshine Committee: *KD8SC* Rosemary Shook
Repeater Upkeep: *N8PZD* Clark Beckman
Membership: *WD8IQJ* John McKenna

Contact the above people using the appropriate information in your copy of the NOARS roster

Did I leave anyone out? Let me know I'll fix it ASAP!

NOARS ON THE AIR!

Weekly Nets

146.700 Wednesday Night Rag chew 9 pm local
NCS: *WD8IQJ* – *W8KYZ* – *WD8OFG* – *KC8TMZ*
146.700 Thursday Technical discussion net 8 Pm
Local time

NCS: *W8KYS*

All are welcome on NOARS nets!

Roll Call February 20th 2006 Meeting

WD8IQJ John	W8KYZ Tom	13 Members present	N8CX Al	KA8VTS Darlene
N8MPC Jim	KD8AVQ Patrick		K8PJS Patrick	WA8Q Jack
KC8POL Bob	K8RWR John	KC8TYB Bill	WD8OFG Harold	K8JWS John

N	G	R	R	W	L	N	G	S	T	E	T	S
A	B	B	R	D	R	I	L	L	E	A	H	X
P	R	I	L	A	P	L	M	R	I	O	T	S
R	K	O	T	A	O	H	A	S	L	H	C	T
D	E	Y	H	C	D	W	T	D	I	R	O	T
H	R	N	K	C	D	E	E	J	E	G	L	F
S	C	P	I	R	N	R	M	W	G	O	C	A
N	L	N	A	O	R	A	C	L	B	L	M	K
R	F	H	U	E	J	D	E	J	O	I	N	T
U	N	U	T	P	T	A	S	P	O	O	L	D
S	T	A	P	L	E	W	A	S	H	E	R	N
E	V	W	R	E	N	C	H	Z	R	K	C	E
C	L	S	F	C	I	S	S	L	P	G	R	C

Solution To Puzzle 0206

Upcoming events

Have your event posted here!
 Send copy to: NOARS newsletter editor. PO BOX 432
 Elyria, OH. 44036-0432
 Or Email wd8iqj@yahoo.com - deadline is third Tuesday
 of each month for the following months publication

March 19th

8:30 AM. ~ 2:00 PM.

Toledo Hamfest

Lucas Co. Rec Center
 2901 Key St.
 Maumee, Oh. 43537
 www.tmrahamradio.org

Contact: Brian J. Harrington, WD8MXR
 4463 Holly Hill Drive
 Toledo, OH 43614
 Phone: 419-535-6594
 Email: bharrington@meduohio.edu

March 28th

8:00 AM. ~ 2:00 PM.

Lake Co. Hamfest

Madison High School
 3100 Burns Rd.
 Madison, Ohio

Contact: Rocky, KB8WFD
 7480 Fern Drive
 Mentor-on-the-Lake, OH 44060-3233
 Phone: 440-209-8953
 Email: rocky@lcara.org

NOARS NEWS

NOARS.NET NEWS

K8JWS John Reports that the over 200 email addresses that are available at noars.net are mostly unused. If you would like an noars.net email address let us know! contact webmaster@noars.net to get yours.

John also reports that he is experimenting with The Echo-Link system and has the capability of establishing an Echo-link node on a trial basis on the 146.70 repeater.

K8PJS RETIRES AS WEDNESDAY NCS

K8PJS Pat, Retires as the week four net controller for the Wednesday night net. Due to scheduling changes at his place of employment. Many thanks to Pat for his help on this very popular net. He will be missed by all.

N8CX Al, has offered to take over the duties of net control station for the week four slot. Many thanks to N8CX.. Lets ALL check in on the 22nd and give Al a real NOARS welcome.

NOARS ROSTER⁺ TO BE PUBLISHED

Membership committee reports that the absolute deadline to be included in the March 2006 roster and get your 2006 membership cards is March 21st your applications and dues must be in hand at that date so you may be included! Send your dues AND applications to: NOARS membership committee PO box 432 Elyria, OH. 44036 A.S.A.P.! Or bring them to the March 20th Meeting.

NOARS NEWS (CONT.)

WARNING! **THIS COULD BE YOUR LAST** **NEWSLETTER!**

Look for the dreaded “#” sign after your callsign on your mailing label if its there it means your membership has expired! (as of this mailing) And you won't be getting a newsletter next month. Please make sure your membership is current. The deadline for dues is March 21st

Minutes of the February 20, 2006 Meeting

Submitted by: Darlene Ohman, KA8VTS

The meeting began at 7:30 p.m. with 13 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, a motion was made and seconded to accept the minutes as printed in the newsletter. The motion was passed.

Newsletter and Membership: John McKenna, WD8IQJ, everything is going well. It was decided that anyone renewing their dues must fill out an application every year. Your dues **will not** be accepted without a completed application

Repeaters: Clark Beckman, N8PZD, was not in attendance.

Sunshine: Rosemary Shook, KD8SC, was not in attendance. Tom Porter announced the Ed, W8YHT has passed away. Al Moriarty, N8CX was in the hospital and the club sent him a plant. John Schaaf, K8JWS, his wife has been in the hospital twice. Jim Henderson, N8MPC has had eye surgery and is doing well.

Web Site: John Schaaf, K8JWS, nothing to report.

Nets: John McKenna, WD8IQJ, the nets are going along really well.

Winter Hamfest: Tom Porter, W8KYZ, gave a report on the outcome of the Winter Hamfest.

Old Business: There was a discussion regarding the renaming of our winter ham fest.

New Business: John Schaaf, K8JWS, talked about EchoLink , it can hook ham radios up to the internet and you can talk to people via ham radio, via the internet

The meeting was adjourned at 8:34 p.m.

Say Happy Birthday This Month To:

(Sorry if I've missed your birthday! It's likely that I don't know what it is! Please let me know. What is your birth date? ..Ed.)

**WD8CSP WA8ICH KE8Q AF8B WD8BJY N8EHU N8DSG KB8NEA KB8NW KG8LR N8FQW
WA8UGC WA8Q KI8IM N8TR**

**A Few Of The Callsigns Heard On The
NOARS Nets Wednesday and Thursdays nights
On The 146.700/100 Repeater In Elyria
February 2/1/06 ~ February 2/23/06**

**WD8IQJ W8KYS W8KYZ WD8OFG W8QXF
N8MPC WA8PKC KC8VCM WA8Q W8ADV
KC8POL W8TAS K8JWS N8PZD KC8TYB
K8AGW K3LOW WD8JMM K8PJS**

146.700 TWO NOARS NETS FOR YOU 146.700

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: WD8IQJ – K8PJS – W8KYZ - WD8OFG – KC8TMZ

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: W8KYS

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!

6W, SENEGAL - Peter, HA3AUI, continues to be active as 6W/HA3AUI until March 31st. His main focus will be on 20/17 meters SSB, with some PSK and RTTY. However, he has also been heard on 15 meters. His operating does vary, but watch 20 meters after 1100z, 17 meters after 1600z and 15 meters after 1300z. QSL via his home call, direct or by the bureau.

9H, MALTA - Members of the Texas DX Society (TDXS) are pleased to announce their DXpedition to Malta (IOTA EU-023), March 1-8th. Team Malta members are: Cal/WF5W (9H3W), Steve/W9DX (9H3DX), Madison/W5MJ (9H3V), Don/N5DD (9H3RY), Bill/K5WAF (9H3WF), Mike/K5UO (9H3UO), Paul/W5PF (9H3PF) and Keith/NM5G (9H3KD). They will participate in the ARRL International DX Phone Contest, March 4-5th, as 9H3DX. During non-contest periods all 9H3 calls may be used, but primary activity will be 9H3DX on SSB, 9H3V on CW, 9H3RY on RTTY, and 9H3WF on PSK. They will be active on 80-10 meters and possibly 160m. QSL Manager is W5PF for all calls.

C6, BAHAMAS - Peter, W2IRT, will be in Nassau operating as C6/W2IRT for the week of March 4-10th. He plans to be on 17/20 meters for the most part using 100w and a dipole. This is a spare-time holiday operation. QSL via his home call; direct, by the bureau and LoTW.

CN2, MOROCCO - Brad, K7ZSD, will be active as CN2SD from March 20-28th. He will also be active in the CQ WW WPX SSB Contest (March 25-26th) as a Single-Op/Single-Band (20m) entry. QSL via K7ZSD

FY, FRENCH GUYANA - Operators Marc/F1HAR, Olivier/F5MZN, Laurent/F6FVY and Herve/F5HRY will be active as FY5KE in the ARRL DX SSB Contest (March 4-5th) as a Multi-Single entry. QSL via the Bureau or direct to CBA.

SPECIAL EVENT - Look for Australian special event stations to be active during the 18th Commonwealth Games in Melbourne, Australia, with some 4,500 athletes from 70 countries competing. To celebrate this event, two special event calls will be aired: **AX3MCG** - (Melbourne Commonwealth Games) will be active daily between March 1-31st, by operators David/VK3EW and Peter/VK3QI; aiming to achieve at least DXCC. , **AX3GAMES** - A multi-operator roster will also activate this call generally active daily on all bands

SPECIAL EVENT - To commemorate 128th anniversary of the liberation of Bulgaria from Ottoman yoke by Russia, the Balkan Contest Club LZ1KZA (LZ5A) will operate with special event call LZ128LO from March 1-31st. Also, the special event call LZ128LO counts 10 points for "St. Teodosii Tynovski Award"

SV5, DODECANESE - Willi, DJ7RJ, will be active as SV5/DJ7RY from the Island of KOS (**EU-001**) between February 26th and March 18th. Most of the activity will be on the lower bands. QSL to his home call

T68, AFGHANISTAN - Johnny, LA5IIA, is back in Kabul and is active again as T68G. He was heard this past week on 20 meters SSB and 17 meters CW. The length of his stay is not known. QSL via LA4YW

TG, GUATEMALA - Operators Mario/TG9ADQ, Sergio/TG9SM, Marcos/EA1APV, Julio/TG9ATG, Edgar/TG9AXF and Francisco/TG9ANF will be active as TG7M in the CQ WW WPX SSB Contest (March 25-26th). QSL via EA1APV.

QSL INFO & NEWS

QSL STATUS FOR 5N0/OK1AUT, 5N0ZKD, 5N99ZKD AND 5N0W. David, OK1RK (5N0ZKD and 5N0W), informs OPDX that he has done the last bundle of QSLs for the 5N0/OK1AUT, 5N0ZKD, 5N99ZKD and 5N0W operations during his stay in Nigeria. He mentions that anyone needing a QSL for these activities should send them in because this is the last call for them. PLEASE NOTE: David can ONLY confirm QSOs for his 5N0W operation for contacts between 1999 and May 2000

NEW ADDRESS. Charles Harpole, **K4VUD**, has announced that he has a "CHANGE OF ADDRESS - PERMANENT - EFFECTIVE FEB.23, 2006". The change will also effect the following call signs: **HS0ZCW, 9N7UD, 9N1UD, A52UD, XW1UD, KG4FPK, AC4TT, VU3CHE, V26V and K4VUD.** His new address is: Charles Harpole, 5900 Baywater Dr., #506, Plano, TX 75093. He also mentioned, "Soon, I will file an alternate address in Thailand where I will be living for the indefinite future."

K7C QSL STATUS. Bob, KK6EK, K7C Expedition Leader, released the following statement about the K7C QSLs this past week: "Thanks for asking about the K7C Kure QSL cards. The cards are going out as we speak."

Please Note: This is only a SMALL part of:
OPDX Bulletin #748- LOG TO: WWW.papays.com for the rest

(Only the parts relative to the time of distribution of the N.O.A.R.S. log were included here.)

NOTICE!

Al N8CX is our DX correspondent if you have any juicy DX tidbits you want to share let Al know so he can announce them here and at the regular meetings.

Contest Corner**Excerpted from ARRL.org****March 4-5**

DARC 10-Meter Digital "Corona" - RTTY/AMTOR/FACTOR/PSK31/Clover, sponsored by Deutscher Amateur Radio Club from 1100Z-1700Z Mar 4.

ARRL International DX Contest -- Phone, 0000Z Mar 4-2400Z Mar 5

Spartan Sprint -- CW, sponsored by the Adventure Radio Society from 0200Z-0400Z Mar 7 (Monday evening in the US--times will change during Daylight Saving Time; see Web site). Held first Monday of every month. Frequencies (MHz): 3.560, 7.040, 14.060, 21.060, 28.060

March 11-13

EU EME Contest--CW/SSB, 0000Z March 11 - 2400Z March 12 - 432 MHz, 5.7 GHz & up

North American RTTY Sprint, sponsored by *NCJ* from 0000Z-0400Z Mar 12. Frequencies 80-20 M..

EA PSK31 Contest, sponsored by the Unión de Radioaficionados Españoles (URE), from 1600Z Mar 11-1600Z Mar 12. Frequencies: 80-10 M..

AGCW QRP Contest -- CW, sponsored by the DL Activity Group CW (AGCW-DL) from 1400Z-2000Z Mar 11. Frequencies: 80-10 M.

March 18-20

Russian DX Contest -- CW/SSB, from 1200Z Mar 18-1200Z Mar 19. Freq: 160-10 M.

10-10 Mobile Contest -- any mode, sponsored by 10-10 International from 0000Z-2359Z Mar 18. Frequencies: 10 m. only

CLARA and Family HF Contest--Phone/CW -- sponsored by the Canadian Ladies ARA, from 1700Z Mar 18-1700Z Mar 19. Frequencies (MHz): CW 14.033, 21.033, 7.033, 3.688, Phone 28.300, 21.225, 14.120 14.285, 7.033, 7.200, 3.750, 3.900

BARTG Spring RTTY Contest -- sponsored by the British Amateur Radio Teledata Group from 0200Z Mar 18-0200Z Mar 20. Frequencies: 80-10 M.

March 25-27

CQ WW WPX Contest--SSB, sponsored by *CQ Magazine* from 0000Z Mar 25-2400Z Mar 26 (CW is May 27-28). Frequencies: 160-10 M.

Spring QRP Homebrewer Sprint -- CW/PSK31, sponsored by New Jersey QRP Club, 0000Z-0400Z Mar 27. Frequencies: QRP CW and PSK31 frequencies on 80-10 M.

For Sale & Advertisement's Page

All Submissions must be sent to wd8iqj@yahoo.com or sent to: PO BOX 432 Elyria, OH. 44036 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 ad's at our discretion.

N8MPC Jim (440) 774-1275 11/5
BK model 2160 Oscilloscope
 60Mhz. Dual trace and time base
 2 new Probes, Manual & Schematic
 Asking \$250 << **Price Reduction**

N8PZD Clark (216) 671-8795 6/5
ICOM 275A 2m.25w all mode with fm tone Asking \$450
MIDLAND 100w UHF fm Mobile 64ch Asking \$200
UNIDEN gps/radar detector new \$199 – Asking \$125 w/box & manual
BEARCAT BC760XLT 100ch 800MHz Scanner w/box & manual Asking \$125
BEARCAT BC200XLT 200ch 800MHz with Drop in charger base. Needs Battery asking \$100

W8FC Ford (440) 288 9941 1/6
54 Foot Crank-up Tower Hy-Gain HG-54-HD Bearing & rotor plate (on the ground) all for \$400 Bring your Trailer.

W8KYS Sandy (440) 647-2255 3/6
MFJ4035MV Power Supply 30A. continuous, Variable voltage output \$100
B&W 500W, 10-15-20M. Plug-in Center link couplings jack-bar connector. Brand new! Never used! \$20 Ea.
 Misc. 40-80M. Crystals. Type FT243 holders. \$5Ea.

Wanted!

Type 7591 Vacuum tube. Will trade other tubes for it.

YOUR AD BELONGS HERE!
 Send Copy to wd8iqj@yahoo.com



Field Day

June 24 – 25 2006

Lorain Co. Equestrian Center.

Nickel Plate – Diagonal Road

All bands – All modes – All Fun

NOARS Makes Field Day Fun – All welcome!

NOARSFEST 2006

July 17 2006

Hamfest And Computer Show
Make Your Plans Now For This
Summer Classic Hamfest!
Details To Follow

W8TAS Ted (440) 365-8041 1/6

Antenna sale

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

CUSHCRAFT A-4-S Four element beam 10-15-20 18' boom used. \$100

CUSHCRAFT A-148-10s eleven element 2 meter beams (2) \$30 each.

DIAMOND DJ-130J Super discone antenna \$40

W8LKM LARRY (440) 324-2630 2/6

Hustler 5.2 Db. Gain 2m. mobile antenna \$30

Super MBM Magnetic Mount \$20

(both items for \$40)

P W I R E L C R D M N R R
 D Z L F L R E W S A E E V
 L B I P O L A R F E P Y X
 E F F E C T N R D O O A F
 T F W K H B N G B N C L A
 M L I D M O E G I X S S L
 A T F E E F T Z H E A S S
 R B E R L Y N E E M P O E
 I A J B D D A E B Y T E C
 N D I G I T A L B O E N E
 E N V E L O P E E E U H V
 O H E X A G O N S R R Z A
 R T T Y S P I K E X T E W

Puzzle 0306

WORD LIST

ANTENNA	HEXAGON
BIPOLAR	LAYER
BYTE	MARINE
COAX	RELAYED
DIGITAL	RTTY
EDGE	SCOPE
EFFECT	SPIKE
ENVELOPE	TRUE
FALSE	WAVE
FIELD	WIRE

ARE THERE MORE?

Want to see your word list here?

Send it in I'll use it ASAP!

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:
GARGUS Catering Hall - 1969 North Ridge Road Lorain, Ohio.

The meeting are open to the public. And all are welcome. Tune to the 9:00 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.

NOARS can be found on the World Wide Web at: <http://www.noars.net>

NOARS also operates the Amateur radio station aboard the U.S.S. Cod the WWII Submarine museum next to Burke Lakefront Airport. In Cleveland. NOARS members are welcome to operate the club station there between the hours of 11 AM. and 5 PM. And will be admitted to the museum for that purpose at no charge.

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 PO box 432 Elyria, OH. 44036-0432.

Use the handy application form on the reverse to Join NOARS

Use this form to apply for new membership, or to renew a membership, or to change information on file

Please submit a separate form for each membership.

WARNING: Some of this data will appear in the roster. So please mark all information you want to be private!

Please indicate if this is a: New Renewal Changes application Please print!

Call Sign _____ Class _____ License Expires ____ / ____ / ____ Birthday ____ / ____ / ____

Name First _____ Init. ____ Last _____

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

Membership expiration date 12 / 31 / ARRL Y/N _____ ? Amount paid \$ _____

Street Address _____ Apt _____ City _____

State _____ Zip _____

Email Address _____

Phone (_____) _____ - _____ Mailings** via: U.S.P.S - E-Mail

Ham interests: _____

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

**Mailings = Monthly newsletter, Roster and/or Roster updates

iqj/081804

N.O.A.R.S.
PO. BOX 432
Elyria, OH. 44036-0432



Dated Material

THE NORTHERN
OHIO AMATEUR
RADIO SOCIETY

42

Years Serving
The Amateur Radio
Community

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