



NOARS LOG



The newsletter of:

The Northern Ohio Amateur Radio Society

Welcome to NOARS country!

February 2005

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 NOARSNET 9 pm. NCS: W8KYZ	3 NOARS Tech net 8 pm.	4	5
6 NOARS Winterfest® Gargus Hall	7	8	9 NOARSNET 9 pm. NCS: WD8OFG	10 NOARS Tech net 8 pm.	11	12
13 Mansfield Hamfest . Richland Co.	14	15	16 NOARSNET 9 pm. NCS: WD8IQJ	17 NOARS Tech net 8 pm.	18	19
20	21 NOARS Meeting Gargus Hall 7:30 PM.	22	23 NOARSNET 9 pm. NCS: K8PJS	24 NOARS Tech net 8 pm.	25	26
27	28	<u>NOARS nets are open to ALL!</u> Tune 146.70/10 VHF or 444/9.8 UHF NCS: WD8IQJ – K8PJS – W8KYZ – WD8OFG – KC8TMZ – W8KYZ				
NOARS meetings are held at GARGUS HALL 1969 N. Ridge Rd. Lorain, OH						

Editorial and Contact Information	Pg 2	DX and Contest Corner	Pg 5
Roll Call – A.R.R.L. News	Pg 3	For Sale & Ad's Page	Pg 6
Meeting Minutes - Upcoming Events	Pg 4	Puzzle 0205 –NOARS Mission Statement	Pg 7



The Northern Ohio Amateur Radio Society K8KRG Volume 41 Issue 2



Well that was fun! I can't express my pleasure at presiding over the January meeting after an absence of 15 years at the executive table. Seeing all of you was a real thrill and given once again the honor of helping to steer this great association of hams is a great privilege.

I want to start off by thanking Rosemary Shook *KD8SC* for the great effort she's put forth the past few years as our holiday banquet coordinator. I think we all owe her a round of applause as she retires as the head of this committee. Many thanks Rosy! And it's my pleasure to introduce Patrick Sweeney *K8PJS* as the new coordinator as I'm sure we can look forward to another great mid-winter NOARS event in 2005.

Well I've asked for it, and I've got it. When I asked for your input as to what directions the club might take and what we might do to provide a better palette for us to paint with. Well here's what the drums along the trail have been signaling:

What about the USS COD? Should NOARS continue its close involvement there? What about BART the DX alert? Should it go, stay or move? Move it to our '70 machine? Or simplex? Do we use it? do we need it? All good questions. What do you think? Come to the February meeting and voice your opinion! Or write me either Email or Snail mail. What other direction should NOARS look at in 2005? New repeaters? New nets? How can we serve you better? This is after all your club and what we do at the meetings affect your club now! And in the long term. Please get over to the meetings I (we) really need your input and help to keep NOARS the best

Best 73 and CUL

John McKenna – *WD8IQJ* President NOARS

PO. BOX 432

Elyria, OH. 44036-0432

Or

E-Mail me at:

wd8iqj@yahoo.com

All constructive criticism is welcome!

John ...

Who's who at NOARS?

2005 Elected Officials

President: *WD8IQJ* John McKenna
Vice President *N8PZD* Clark Beckman
Treasurer *W8KYZ* Tom Porter
Secretary *KA8VTS* Darlene Ohman

K8KRG License Trustee

W8EU Mike Willemin

Committee Heads for 2005

News Letter Production: *WD8IQJ* John
A.R.R.L. V.E.: *W8KYZ* Tom Porter
Banquet: *K8PJS* Patrick Sweeney
N8DIU Gary Gargus
Property Manager: *WD8CSP* Ned Jones
DX Coordinator: *KB8NW* Tedd Mirgliotta
USS COD Coordinators: *KA8WMX* Ted Jones
WD8RZG Don Winner
Net operations Manager: *WD8IQJ* John McKenna
Hamfest Crew : *W8KYZ* Tom Porter
N8PZD Clark Beckman
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* – *K8PJS* – *W8KYZ* – *WD8OFG* – *KC8TMZ*
146.700 Thursday Technical discussion net 8 Pm
local time

NCS: *W8KYS* – *K8PJS*

All are welcome on NOARS nets!

Roll Call January 17th. 2005 Meeting

WD8IQJ JOHN	KB8LKH DAN	N8AKS GLEN	WD8BJY DOUG
W8KYZ TOM	N8CX ALAN	KC8BQO KEN	KC8PCZ DENNIS
WD8OFG HAROLD	W8TAS TED	KC8BXH JONI	KA8OYE GEORGE
KB8IOM FRANK	N8MPC JIM	KD8SC ROSEMARY	
K8PJS PATRICK	KA8VTS DARLENE	N8DIU GARY	

Solution To Puzzle 0105

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

Please note your membership dues are due on January 1 2005. If you haven't renewed yet please do so A.S.A.P. send check or money order with a renewal application (back page) to the PO Box .Or better yet! Bring them to the next meeting! Thanks! *Your membership committee*

BRAIN FOOD

Standard EIA Color codes for power transformers

Black	
Black -Yellow	
Red	
Red -Yellow	
Green	
Green - Yellow	
Brown	
Brown - Yellow	
Slate	
Slate - Yellow	
Yellow	
Yellow - Blue	

Answers on page 6

QST DE W1AW

Relayed to the log via *K3LOW*
(Thanks Hank!)

Excerpted from : The ARRL Letter Vol. 24, No. 01 January 7, 2005
Available on ARRL Audio News

AMATEUR RADIO PRAISED AS LIFELINE IN SOUTH ASIA

As the tsunami relief and recovery effort continues in South Asia, Indian Prime Minister Manmohan Singh has joined those paying tribute to Amateur Radio's ongoing emergency communication role. Director and Executive Vice Chairman S. Suri, VU2MY, of India's National Institute of Amateur Radio (NIAR), noted January 5 that the PM "was all praise for hams in India and the entire world who helped us in this hour of need." Suri said the administrator of hard-hit Car Nicobar Island has asked NIAR to keep on duty Rama Mohan, VU2MYH, and five other radio amateurs who have been providing communication with the island since shortly after the December 26 disaster. "The district administration chief of Car Nicobar Island spoke to me this morning to say even now it is only the ham communication that is aiding them for relief and rehabilitation measures," Suri said in an e-mail to Jay Wilson, W0AIR, of the Disaster Preparedness and Emergency Response Association (DERA) and shared with ARRL. Mohan, who had received DERA training in the US, was part of NIAR's VU4NRO/VU4RBI DXpedition to Andaman and Nicobar Islands. When the earthquake and tsunami struck the region, DXpedition team leader Bharathi Prasad, VU2RBI, promptly shifted the operation to handle emergency traffic and health-and-welfare inquiries between the island and the Indian mainland. More than 20 Indian radio amateurs are said to be involved in providing emergency communication support in the Andaman and Nicobar Islands. Ironically, until the recent NIAR DXpedition the Indian government did not allow Amateur Radio operation from the islands. It's since cleared the way for all Indian hams to operate from VU4. *(Read more at arrl.org (ed.))*

Minutes of the January 17 2005 Meeting Submitted by: Darlene Ohman KA8VTS

The meeting began at 7:40 p.m. with 18 members and guests present.

Treasurers Report - The treasurer's report was read and a motion was made and seconded to accept the report. The motion was passed.

Secretary Minutes - There were no minutes for the month of December.

Newsletter - Everything is going well and no problems were voiced.

DX - Ted has not been attending meetings and it was suggested that the club think about naming a new DX person to take on that responsibility.

Sunshine - Fred Collins is still in the nursing home. Bill Johnston, KB8AM is in a bad way, he is in Anchor Lodge. A card will be sent about once a month to all members who are in long term facilities. Rosemary Shook was asked to put a list together of the people who are in long term facilities.

Membership - Your 2005 dues are due now! And no later than the middle of March.

Nets - The nets are going real well. There is a new rotation with the net controllers.

Week 1 will be run by Tom Porter, W8KYZ

Week 2 will be run by Harold Drake, WD8OFG

Week 3 will be run by John McKenna, WD8IQJ

Week 4 will be run by Patrick Sweeney, K8PJS

Week 5 will be run by Sylvia Drake, KC8TMZ

Winterfest - February 6, 2005, with free pancake breakfast. Setup will be on Saturday, Feb. 5th at 1:00p.m. at Gargus Hall.

Christmas Banquet - Rosemary Shook KD8SC declined being the 2005 banquet chairperson. Patrick Sweeney K8PJS volunteered to be the new chairman.

USS Cod - Thoughts were presented to give up the submarine. Right now another club is using the equipment. It wouldn't cost the club anything. We would leave the equipment on board and we would still be able to operate down at the submarine anytime we wanted.

A motion was made and seconded to adjourn the meeting.

The meeting was adjourned at 8:17 p.m.

**A few of the callsigns heard on the
Wednesday night NOARS net at 9:00 pm
on the 146.70 repeater in Elyria
1/05 - 1/26**

W8KYS W8QXF N8MPC WA8PKC KC8VCM
K8PJS WA8Q W8ADV WD8OFG KD8AJO
W8TAS WD8IQJ W8KYZ WD8IQJ N8AKS
KC8TBB KC8TYB K8RWR KA8OYE K8AGW
KC8BQO KC8SXX N8HDE KC8POL

**DON'T
forget the *other* NOARS net
THE THURSDAY NIGHT TECH NET!
Thursday nights at 8:00 on the 146.70 repeater in
Elyria .**

You don't have to be a techno-geek to enjoy this
friendly net slanted towards the tech side of ham radio
questions and answers always welcome

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

Mid*Winter Hamfest and
Computer Show
Mansfield, OH
Richland Co. Fairgrounds
contact:
Deane Wrasse, KB8MG

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!

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn Packet Cluster Network, AB5K & the AR TelNet Clusters Network, AA1M, K1XN & GoList, NC1L, KE2LJ, NG3K, W3UR & The Daily DX, N4AA & QRZ DX, W4WX, W5BOS, K8YSE, N8MR, DL1EK & The DX News Letter, DL2FAG, EA8CAC, F5CWU & La Gazette du DX, F5NQL & UFT, G0IAS, GM4SUC, HA9SU, HP1AC, I1JQ/IK1ADH & 425 DX News, IN3VZE, JA1ELY, JI6KVR & JA-IOTA Islands News, LA9VDA, LU5WW, LU9ESD, M0BBB/5B4AFM, OH2HAN, OK1MU, PS7AB, SP5XSD, VA3RJ & ICPO, VK2CE, VK2XQ, YL1ZF and ZS4BS for the following DX information:

3D2R, ROTUMA ISLAND (Also Fiji) By the time you read this, Eli/HA9RE and Charlie/HA8IB have left Budapest, and they are expected to be active as 3D2RE/R from Rotuma Island (OC-060), January 26th through February 22nd. Activity will be on all bands 160-10 meters on CW/SSB/RTTY. They plan to have two stations on the air. They also plan to participate in the CQ WW 160 Meter CW Contest and ARRL DX CW Contest. On their return trip, look for them to be active from Fiji (OC-016) for a few days as 3D2RE, starting on February 23rd. QSL direct only via HA8IB. No Bureau QSLs.

600, SOMALIA (Update) Silvano, I2YSB, updates OPDX and its readers on the upcoming February 3-17th DXpedition to Somalia. The tentative transmitting frequencies for 600CW (CW and RTTY) and 600G (SSB) are as follows: CW - 1820, 3505, 7005, 10115, 14055, 18095, 21055, 24910, 28055, 50100 SSB - 1840, 3790, 7050, 14210, 18140, 21270, 24960, 28450, 50110 RTTY - 3560, 7035, 10130, 14079, 18120, 21080, 24935, 28080 kHz Silvano states, "We understand that proposed frequencies may sound 'unusual', however we made this proposal due to the recent delays announced by the 3Y0X major expedition to Peter One Island, originally scheduled for late January-early February but now probably overlaying our 60 schedule. Our aim is to minimize QRM, avoid confusion and give everybody a better opportunity to work us. Comments and suggestions are welcome, and please note that new frequencies might be selected based on actual local conditions. We expect to start operations on February 3 evening (UTC)." Comments and questions can be sent via E-mail to: i2ysb@i2ysb.com For more information and updates 8P, **BARBADOS** Tom, W2SC, will be active as 8P5A in the ARRL DX CW Contest (February 19-20th) as a Single-Op/All-Band/High-Power entry. QSL via NN1N. 9H, MALTA Several sources report that Chris, G0WKJ, is expected to now be active as 9H3CT until February 25th. No QSNs have been reported as of yet. QSL via his home callsign.

9M6, EAST MALAYSIA Rich, PA0RRS, will be active as 9M6/PA0RRS from Sabah, Borneo Island (IOTA OC-088), February 3-13th. QSL via his home callsign, by the Bureau or direct to: Richard Smeets, Schoorveken 100, 5121NM Rijen, The Netherlands.

CARIBBEAN OPERATION (V2 and VP2M) Operators Larry/W1LR and Bill/W4WX, members of the Florida DXpedition Group, Inc., will operate from Antigua as V25LR and V25WX, respectively, from February 21-24th. They will then travel to Montserrat on the 24th and operate from the Volcano Island, February 24th through March 2nd, using the callsigns VP2MHS (W1LR) and VP2MHX (W4WX). The activity will primarily be on PSK-31 and RTTY on 20/17/15/12/10/6 meters. QSL direct only to their home callsigns.

CN2, MOROCCO Jim, K7EJ, will be active from here starting February 22nd. While there, he is expected to be active as CN2J in three different contests. Look for him to be in the CQ WW 160mSSB Contest (February 26-27th) as a Single-Op/High-Power entry. Also, look for him to be in the ARRL DX SSB Contest (March 5-6th) and CQ WW WPX SSB Contest (March 26-27th) as a Single-Op/All-Band/High-Power entry in both contests. Look for activity outside the contests on the WARC bands. QSL via W7EJ.

FS, ST. MARTIN John, K9EL, plans to operate as FS/K9EL from February 16-26th. He will be on holiday with his family, but they are very understanding for his need to be on the radio! John will be active during the ARRL DX CW Contest to hand out multipliers but not as a serious entry. He will be using a vertical for 10/12/15/17/20 meters and will string some wires for 30/40 meters, and if possible 80 meters as well. A 160m operation is very unlikely. He will only use 100w, no amplifier. No PSK

or RTTY. QSL via his home callsign. Skeds are "OK" via E-mail at: k9el@johnandceleste.com

IOTA NEWS: EU-023. Roger, G4IPE, will be active as 9H3RW from Gozo Island, January 31st through February. Activity will be mainly on 20 meter SSB (IOTA frequency 14.260 MHz). QSL via his home callsign, direct (QRZ.com) or by the bureau. J6, ST. LUCIA Dave, K3LP, will be active from here February 15-22nd. Look for him to sign J6R in the ARRL DX CW Contest (February 19-20th) as a Single-Op/Low-Power entry. For activity before and after the contest, he will sign J6/K3LP. QSL via K3LP.

MD4, ISLE OF MAN Martin, G4XUM, will be active as MD4K for the CQ WW 160m SSB Contest (February 26-27th). QSL via G3NKC

PJ7, ST. MAARTEN While on vacation, Ron/ND5S and Sue/KF5LG will once again operate from Dutch St. Maarten (IOTA NA-105) as PJ7/ND5S and PJ7/KF5LG, respectively, from February 6-26th. Ron will be active as a Single-Op/Low-Power entry in both the CQ/RJ RTTY WPX Contest (February 12-13th) and the ARRL DX CW Contest (February 19-20th). Pre-contest activity will be on CW/RTTY/SSB and on 160-10 meters. Ron states some 20,000 contacts have been made from here in his past operations. For more details, please visit the Web site: <http://www.qsl.net/nd5s/>

**PLEASE NOTE THIS IS JUST A SMALL PART OF:
OPDX Bulletin No. 695**

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.)

Contest CornerShort list of upcoming events this month. More details at arrl.org**Feb. 5-8**

North American Sprint--SSB, 0000Z-0400Z, Feb 6. (CW is Feb 13) Frequencies (MHz): 3.850, 7.225, 14.275

Ten-Ten International Winter Phone QSO Party--sponsored by Ten-Ten, International, from 0001Z Feb 5-2359 Feb 6, 10 m only

YL International QSO Party--CW/SSB--sponsored by YL International SSB System, 1100Z Feb 5-1700Z Feb 6, two 6 hour off times required. Frequencies: 160-10

Feb. 12 - 14

North American Sprint--CW, from 0000Z-0400Z, Feb 13 (see Feb 6). Frequencies (MHz): 3.540, 7.040, 14.040. Logs due 7 days after the contest

Asia-Pacific Sprint--CW-- 1100Z-1300Z Feb 12. Frequencies: 20 and 40 meters, NA stations work Asia-Pacific countries only

50th Anniversary Dutch PACC Contest-- CW/SSB--sponsored by the Vereniging voor Experimenteel Radio Onderzoek in Nederland (VERON) from 1200Z Feb 12-1200Z Feb 13. Frequencies: 160-10 meters

CQ World Wide RTTY WPX Contest, sponsored by *CQ Magazine*, 0000Z Feb 12 to 2400Z Feb 13. Frequencies: 80-10 meters.

Feb. 19 - 20

ARRL International DX Contest, CW, 0000Z Feb 19-2400Z Feb 20

Feb. 26 - 28

CQ WW 160-meter SSB Contest, 0000Z Feb 26-2400Z Feb 27

UBA Contest--CW, from 1300Z Feb 26-1300Z Feb 27

High Speed CW Contest--sponsored by High-Speed CW Club, 0900Z-1100Z and 1500Z-1700Z Feb 27. Frequencies: 80-10 meters.

North American QSO Party--RTTY--sponsored by the *National Contest Journal* from 1800Z Feb 26-0600Z Feb 27. Frequencies: 160-10 meters

AM QSO Party--sponsored by the Antique Wireless Association, from 2300Z Feb 26-2300Z Feb 27. Frequencies (MHz): 3.837-3885, 7.270-7.290, 14.250-14.280

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 unless updated!
 NOARS reserves the right to refuse ad's at our discretion.

W8TAS Ted (440) 365-8041 12/4
ICOM 706 NEW! Never used \$700

N8MPC Jim (440) 744-1275 11/4
BK model 2160 Oscilloscope
 60Mhz. Dual trace and time base
 2 new Probes, Manual & Schematic
 Asking \$350

PH: (330) 225-7373 RETAIL STORE HOURS [1]
 FAX (330) 225-4333 MON., WED. & FRI 11AM - 7 PM
 1-877-964-5566 CLOSED TUES. & THUR.
 SAT. 10 AM - 6 PM
 SUN. 1PM - 4 PM
 www.noard.com

**Northern Ohio
 Amateur Radio Depot**

Rick Wells - K8SCI NOARD Inc.
 821 Pearl Road
 Brunswick, OH 44212

[1] (Check phone msg. machine
 for any changes in hours) (9/2003)

ANSWERS TO BRAIN FOOD (PG 3)
 Standard EIA Color codes for power
 transformers

Black	Primary
Blk/Yel	Primary Center Tap
Red	High voltage
Red/Yel	High Voltage Center Tap
Green	Amplifier #1 Filament
Grn/Yel	Amplifier #1 Filament Center Tap
Brown	Amplifier #2 Filament
Brn/Yel	Amplifier #2 Filament Center Tap
Slate	Amplifier #3 Filament
Slt/Yel	Amplifier #3 Filament Center Tap
Yellow	Rectifier Filament
Yel/Blu	Rectifier Filament Center Tap

From a Vintage 1963
 Allied Electronics Data Handbook

W8GWD Joe (440) 324-2838 2/5
 -- Item Needed --
 Microsoft CD to install Internet Explorer 5.5 on
 Windows 98 Second Edition

2005 NOARSFEST 2005

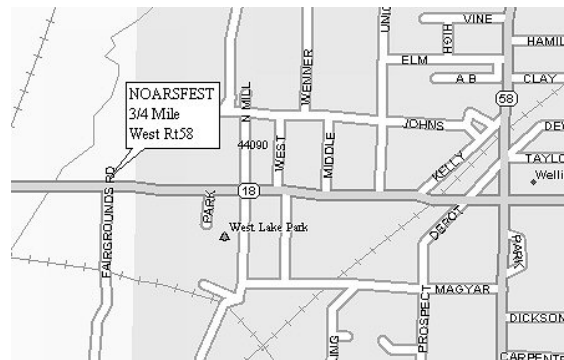
**Lorain County Fairgrounds
 Wellington, Ohio**

Saturday!

JULY 16 2005

8 AM. - ?

More details to follow



WD8IQJ John, (216) 544-5761 12/4
Cushcraft 5 Element 6M Beam (on ground) new hardware good
 condition\$50 will deliver (within 40 miles)
Sears (Konica) KS-1 35 MM SLR Camera Kit With: 28mm,
 50mm, 135mm Telephoto, 80-200mm zoom/macro Lenses. (K-
 Mount) Vivatar 225 Flash attachment,
 Filters, Leather Cases, Steady rest,
 Zip Case, Flex Trigger. All You need to
 get serious about 35mm (film)
 photography..... \$400
 (will not separate)



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

Puzzle 0205	
WORD LIST	
ALIGN	HELICAL
ANTINODE	HOOKUP
BASE	INVERSE
BOOM	JACK
CAPTURE	JOULE
DARAF	LINE
DEAD	LOCAL
EDSION	MATCHING
FLAG	MHO
FLUX	PURITY
GILBERT	RADAR
	SMEAR

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.geocities.com/k8krq>

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 ____ / ____ / ____

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. 44036-043



Dated Material

