

NOARS LOG

Volume 39, Issue 6

Welcome to *NOARS* Country

July – August, 2003



Club FM Repeaters

UHF: 449.800/444.800 MHz

VHF: 146.100/146.700 MHz

6 meters coming soon 51.16/51.66

144.550/145.150 MHz

Home of BART the DX ALERT

BARF-80 BBS sponsored by NOARS (440)237-8208

2003 EXECUTIVE OFFICERS

President: Ted Shook, W8TAS

Vice President: Clark Beckman, N8PZD

Secretary: DeeDee Ohman, KA8VTS

Treasurer: Tom Porter, W8KYZ

License Trustee: Mike Willemin, W8EU

NOARS STANDING COMMITTEES:

A.R.R.L. VE: Tom Porter W8KYZ

DX Member: Tedd Mirgliotta KB8NW

Banquet: Gary Gargus N8DIU

Property Manager: Ned Jones WD8CSP

U.S.S. Cod: Ted Jones KA8WMX, Don
Winner WD8RZG

K8KRG WEEKLY ON-THE-AIR

REPEATER NETS

WD8IQJ – W8ADV

NOARS Net Wednesday 9:00 P.M.

K8WRS – KC8TBD

NOARS Tech Net Thursday 8:00 P.M.

146.700 – 444.800

Coming soon on 51.66 / 145.150

In this issue;

Upcoming Hamfests and Events - VE exam locations

Great Lakes power blackout lights up ham radio

Broadband over Power Line comments restarted

Belgium, Germany drop morse code

Great Lakes Division Convention at the Findlay Inn

Where's the DX? - Swap -N- Shop - Contest Corner

Messages from the front table - Spring 2003

Upcoming hamfests and events

Aug 17th, Warren ARA <http://www.w8vtd.org/> Renee McCaman: 330-847-8478

Aug 23d, Portsmouth Radio Club – Kim Lozier, N8ZW 740-456-1616

Sept 6, Great Lakes Division Convention – Findlay Radio Club – <http://www.findlayradioclub.org> ; Bill Kelsey, N8ET 419-423-4604

Sept 7th Findlay Hamfest Findlay Radio Club – See above notes

Sept 21 Greater Cincinnati ARA <http://cincinnatiamateurradio.com>
Tom Denham, K8VOE - 513-779-3951

Sept 28th Hamfest Association of Cleveland <http://www.hac.org> 1-800-CLE-FEST

Oct 5th Medina Two Meter Group <http://www.qsl.net/n8tzy> - 330-273-1519

Oct 11th Northwest Ohio ARC <http://www.nwoarc.org> - 419-227-6573

December 6th NOARS Annual XMAS Banquet <http://www.apk.net/noars/banquet>

Roll Call June 16th

Unavailable at press time

To fill this area NOARS wants to thank everyone who helped out with the NOARSFEST this year, somehow we escaped wet weather making it a wonderful outing for everyone.

The editor is still uncertain who all the prize winners were but the grand prize winners went away with some cold hard cash.

The comments that filtered back to the next club meeting were all good except one parking problem.

Join NOARS for the December

VE Exams – basic instructions;

For VE Exams the candidate must bring the original and copy of the current license and CSCE forms (if applicable), identification, and the correct exams fee monies. It is always a good idea to check with the VE examiner in the case of poor weather cancellation or any special needs. The 605 form can be obtained on-line at arrl.org/arrlvec/ncvec605.pdf, have this filled out ahead of time and make your test less stress.

Elyria, 3d Sunday each month at American Red Cross, 2929 West River Rd, Elyria OH 44035 – Testing begins at 1 PM, walk-ins allowed, park in rear, use rear door. Contact Charles S. Hall, 216-433-3036

Akron, 2nd Saturday odd months at Summit Co. American Red Cross, 501 W Market St, Akron OH 44303 – testing at 3 PM, walk-ins allowed. Contact Bruce M. Ferry, 330-929-2766

Canton, Stark Co. Sheriff Office EOC, 4500 Atlantic Blvd NE, Canton OH 44705 Testing at 9 AM walk-ins allowed. Contact Gary L. Kline, 330-837-2927

Wickliffe AES, 1st Saturday even months at 28940 Euclid Avenue, Wickliffe OH 44092 Testing begins at 12 PM – Walk-ins are welcome, contact Scott Farnham, 440-256-0320 – do not call AES direct.

Independence Town Hall, 6652 Brecksville Rd, Independence OH 44131 – test dates March 9, May 4, July 13, September 14, November 9, 2003 – Doors open at 9 AM, pre-registration is appreciated, walk-ins taken. Contact Gary Dewey, 216-642-

Roll Call July 21th

Pat Sweeney	KC8TBD
John McKenna	WD8IQJ
Joe Cebula	W8GWD
James Henderson	N8MPC
Harold Drake	WD8OFG
Fred Collins	W8ADW
Joni Roberts	KC8BXH
Ken Roberts	KC8BQO
Al Moriarty	N8CX
Frank Hashier	KB8IOM
Gary Gargus	N8DIU
Dee Dee Ohman	KA8VTS
Clark Beckman	N8PZD
Jim Eglin	WD8IDN
John Schaaf	K8JWS
John Pearl	K8RWR
Glen Thome	N8AKS
Doug Krucinski	WD8BJY
William Phillips	KC8TYB
Tom Porter	W8KYZ

In place of the June minutes are some historical observations by the editor;
The next time you are washing your hands and complain because the water temperature isn't just how you like it, think about how things used to be. Here are some facts about the 1500s: Most people got married in June because they took their yearly bath in May and still smelled pretty good by June. However, they were starting to smell so brides carried a bouquet of flowers to hide the body odor. Hence the custom today of carrying a bouquet when getting married. Baths consisted of a big tub filled with hot water. The man of the house had the privilege of the nice clean water, then all the other sons and men, then the women and finally the children-last of all the babies. By then the water was so dirty you could actually lose someone in it. Hence the saying, "Don't throw the baby out with the bath water." Here is school starting helpful hint; A mouse trap placed on top of your alarm clock will prevent you from rolling over and going back to sleep.

Minutes of July 21, 2003 Meeting

The meeting was began at 7:30 p.m. with 20 members and guests in attendance.

Treasurer's Report; Tom Porter, W8KYZ gave his report which was accepted by the members.

Nets; The nets are going along very well. The Tuesday night CW net will be off the air for the summer while Ray goes on vacation. If anyone would like to be a net control operator get in touch with John, WD8IQJ. The Thursday night tech net needs some net control fill-in help.

Field Day - June 28 - 29, 2003. Approximately 25 members went on the air as a 5A Ohio entity. 15 meters had 6 contacts, 20 meters had 109 contacts, 40 meters had 177 contacts, 75 meters had 123 contacts and 80 meter CW had 51 contacts. Bonus summary was 1,000 points. The cost for field day was \$135.02. The field day pins were given to the people that participated. The location was very good, but the bands were not very good. Everyone had a good time.

Banquet - The plans are in the making for December 6th – a short discussion of raffle tickets came up.

Contesting - The next contest is the September VHF Sweepstakes.

NOARSFEST - We want to thank everyone who helped out. The weather was perfect and the food was good. A comment was made that the parking area we used this year was a lot better than in the past. Approximately 460 people attended. There were 97 mobile check ins.

USS Cod - Last weekend was a Submarine Memorial Radio Net which is a military worldwide military reactivation. Approximately 40 or 50 contacts were made. The Cod Committee is going to purchase a new antenna for the submarine. There is a long wire antenna for use from 80 to 10 meters. There is a postcard under the radio with instructions on how to set the tuner and operate the radio.

Sunshine - The club received a donation from the W8GDQ Willie Waite bequest.

Old Business - We have thought about placing ARRL books (Now you're talking too) in the public libraries, we are still discussing the subject.

New Business - A suggestion was made to have a plaque made up to commemorate Willie Waite's contribution and service to the club to be given to the family from the club. It was suggested that the club use the donation from Willie Waite's estate to purchase the books to place in the libraries and still give a plaque to the family and a note as to what the donation was used for.

One of our members, Glen Thome, N8AKS, had an article printed in the July, 2003 QST magazine, "Delay Turnoff Fan Control".

A motion was made by John McKenna, WD8IQJ and seconded by Jim Henderson, N8MPC to conduct a feasibility study into purchasing a wireless PA system to be used at the Noarsfest. The motion was passed.

A motion was made and seconded to adjourn the meeting, the motion was passed.

HAMS A BRIGHT SPOT DURING POWER BLACKOUT

When a power blackout struck at least a half dozen eastern states August 14, many Amateur Radio operators were ready and able to provide whatever assistance they could. Hardest hit were metropolitan areas like New York City, Detroit and Cleveland. In New York, residents and commuters found themselves stranded in electricity-dependent elevators and subway or rail cars while visitors ended up stuck at airports, which were forced to shut down. With the cellular systems overloaded or out altogether, the incident turned into a test of Amateur Radio's capabilities to operate without commercial power.

"It was a good drill," said New York City-Long Island Section Emergency Coordinator Tom Carrubba, KA2D. But, he adds, it was a cautionary tale too. "The lesson is that everybody gets a little complacent," he said. "Have emergency power backup and make sure it's working!"

By and large, Carrubba said, ARES members did what they were trained to do. "It's going to show the worth of Amateur Radio," he said of the blackout response. "There were people on the air immediately."

Diane Ortiz, K2DO, the Public Information Coordinator for NYC-Long Island was one of them. When power went down in her Suffolk County community, she started up an informal VHF net. Over the next 20 hours or so, it passed some 500 pieces of what Ortiz described as largely "health-and-welfare traffic."

"People are getting on and helping," she said. In addition to handling messages for people stranded in the city, amateurs also relayed useful information, such as which stores or filling stations were open and operating. With many radio and TV stations dark, and hams were able to help fill the information void, Ortiz said.

In the Big Apple itself, ARES teams provided communication support for Red Cross Emergency Response Vehicles (ERVs) set up at main transportation centers in Manhattan. ARES members also accompanied ERVs on fire calls.

RACES activated in most Greater New York City area counties after a state of emergency was declared. Some ARES teams--including a few across the Hudson River in New Jersey--activated or remained on standby to help if called upon. In New Jersey, a net linked the Red Cross lead chapter's N2ARC in Princeton with other New Jersey ARC chapters.

Michigan Section Manager Dale Williams, WA8EFK, reports scattered ARES activations. Williams, who lives in Dundee south of Detroit, was without power August 15 and relying on his emergency generator. Some Michigan ARES teams assisted emergency operations centers and the Red Cross.

In Ohio, Section Emergency Coordinator Larry Rain, WD8IHP, reports that all ARES organizations in northern Ohio were activated after the power grid went down. Still going strong at week's end were ARES teams in Cleveland and Akron. "ARES is handling communication support for Ohio Emergency Management in the affected cities and communities," Rain said. Ohio VHF and UHF nets and the Ohio SSB net on HF have been handling blackout-related traffic.

Nancy Hall, KC4IYD--who lives 20 miles west of Cleveland--said she's glad she'd taken the ARRL Emergency Communications Level I class. "I have to say that being a ham and knowing about emergency preparedness did make life easier for me and my family," said Hall, who's now signed up for the Level II class.

New England states were far less affected by the blackout. ARES/RACES operators in the region were on standby after the blackout. Only Connecticut and sections of Western Massachusetts reported significant outages, and ARES nets activated in both states.

Bill Sexton, N1IN/AAR1FP, an Army MARS member, said his emergency power capability permitted him to check into the Northeast SHARES (National Communications System HF Shared Resources Program) net and maintain e-mail contact after Berkshire County lost power.

"The experience proved once gain the great strength of ham radio in an emergency," Sexton said. "It is self-starting, and it is everywhere." Taken from ARRL News

FCC Broadband Powerline COMMENT SITE UNAVAILABLE UNTIL MONDAY August 18th

Ron Wagner, WD8SBB, of Troy, Ohio telephoned to say the FCC comment site is temporarily down FOR maintainence. It is scheduled to be running again on Monday. This apparently is the reason several members have been unable to send Reply Comments to the Commission. Thanks to every one of you who have been unsuccessful in sending your comments as well as those who have gotten through. Please keep trying. If you need a review on the issues related to Broadband over Power Lines, go to arrl.org and read through everything that is available -- this includes engineering information.

SHORTER PROCEDURE TO GET TO FCC COMMENT FORM

Ron also indicates we can go directly to the FCC comment form and, thereby, bypass a few of the steps I followed to get there. Here's how:

- 1) Log on to http://gullfoss2.fcc.gov/prod/ecfs/upload_v2.cgi
- 2) The PROCEEDING number is: 03-104, ignore #4 and #5, #6 is your E-mail address, ignore #11, set #12 to REPLY TO COMMENTS.
- 3) Fill in the box for BRIEF COMMENTS. When finished, click on REPLY COMMENT TO FCC. A typical Reply Comment might be as follows;

"I support fully the well founded comments submitted by The American Radio Relay League concerning Docket ET 03-104. I conclude the comments made by proponents of Broadband over Power Line (BPL) have little if any credible scientific data to support approval of this docket at this time. Further research and innovations in BPL will be needed to avoid the great risk this innovative technology will not cause irreparable interference to services licensed to operate in the 2 MHz - 80 MHz frequency range. Approval of ET 03-104 would violate the existing FCC rules on non-interference and would be contrary to the best interest of the public."

Note – please reword to avoid FCC receiving cookie-cutter replies which could reduce the impact of our collective effort.

Many tnx, agn. GL, 73, Jim, K8JE k8je@arrl.org Tel. 513-459-0142

BELGIUM, GERMANY DROP MORSE REQUIREMENT

Belgium and Germany are the latest countries to drop the requirement to pass a Morse code examination to obtain HF operating privileges. Their action followed the decision of World Radiocommunication Conference 2003 to delete the treaty requirement calling on applicants to prove Morse proficiency to have HF access. Belgians holding ON1-prefix Class B tickets can get new Class A HF licenses and ON4, 5, 6 or 7 prefixes by applying to Belgium's telecommunications authority and paying a 5 Euro fee. As of August 8, some 200 Belgian Class B licensees had taken advantage of the plan. Starting August 15, an estimated 33,000 German Class 2 VHF/UHF-only licensees will be permitted access to the HF bands on an equal footing with current Class 1 licensees. "Morse telegraph knowledge as a prerequisite to use the high-frequency bands is no longer required," said a statement from the German Federal Ministry of Economy and Labor (BMWA). "These rules apply for foreign Amateur Radio licensees with comparable privileges operating during visits in Germany." At least for now, the upgraded Class 2 licensees will use their current call signs (prefixes include DB, DC, DD and DG). Switzerland was the first country to drop the Morse requirement, albeit on a provisional basis while it makes the rule change permanent. The UK soon followed. Radio Amateurs of Canada is conducting a national on-line Morse survey <<http://www.rac.ca/news/msurvey.htm>> to record Canadian amateurs' preferences on the current 5 WPM Morse requirement for HF access. The RAC Board of Directors will consider the results of the survey in arriving at a recom-

While driving in Pennsylvania, a family caught up to an Amish carriage. The owner of the carriage obviously had a sense of humor, because attached to the back of the carriage was a hand printed sign...
Energy efficient vehicle. Runs on oats and grass. Caution: Do not step in exhaust.

Somebody once figured out that we have 35 million laws trying to enforce 10 commandments.

SPECIAL EVENT – Glyn, GW0ANA, reports: "Many Amateur Radio operators may be aware of the significance of "Flatholm Island " located in the Bristol Channel in the UK. The island has a very historic link in connection with our hobby as it was used by Marconi when he demonstrated to the British Post Office that his theory that radio waves would travel across water. He made the link via radio from Lavernock Point in south Wales to the island on Thursday, May 13th 1897. To pay homage to Marconi, the Barry Amateur Radio Society (South Wales) erected a monument on the island and each year make an annual visit to operate a special event station using the callsign "GB5FI" (Flatholm Island). This year's visit will take place between Friday, August 22nd and Wednesday, August 27th." The society will activate this very rare WAB square ST26 and operate mainly on the amateur HF bands to follow in the footsteps of the historic event. This year they also plan to operate via satellite using AO-40 and also Oscar 14 (subject to access in the short pass time). Their priority will be mainly SSB operation, but they may operate on the digital or SSTV modes. This is a very rare opportunity to add to your QSL card collection a "MARCONI EXperiment" location, Flatholm Island, via satellite! Lighthouse ref. number: 0007. QSL via GW0ANA direct CBA or via the Bureau is no problem.

S61, SINGAPORE – Peter, 9V1PC, reports that the Singapore Amateur Radio Transmitting Society (SARTS) will be holding field day operations from St. John's Island off the southern coast of Singapore from the afternoon of Friday, September 5th, to midday Monday, September 8th. Two stations will be active on 160-10 meters with the special prefix S61FD. The S61FD team will have two experienced 160/80m operators: Bob Marshall-Read/G4VGO and Peter Cook/9V1PC. This team will focus on low band operations using an inverted L for transmit and a variety of loops, pennants and possibly beverages for low noise receive. They expect that 1 kW transmit power should be available. St. John's Island is in Region 3, IOTA AS-019, CQ Zone 28 and ITU Zone 54. QSL cards should be sent to: Incoming QSL Manager, SARTS, Robinson Road P.O. Box 2728, Singapore 904728.

YI, IRAQ – Ghis, ON5NT, informs OPDX that he will be flying into Baghdad on Wednesday, August 13th. He will be there for about 3 weeks. His callsign will be YI/ON5NT (he has had his license since May and is already accepted by the ARRL). Ghis states to not expect big signals from YI. He is running an IC706MKIIg into wire antennas. Also, look for him on 6 meters. QSL via his homecall. Ghis also mentions that Robert, S53R, has finished his holiday time and will be active as YI/S53R (QSL via K2PF). He will be on the same flight into Baghdad with Ghis. Robert should be there for a couple of months.

T8, PALAU – Haruki, JH9URT, will be active from here as T88HO and this will be his first DXpedition. Activity will be between August 22-26th and on SSB only on all HF band and 6 meters. QSL direct to his home address below or JARL bureau. His direct address is: Haruki Ohtsubo, 1377-1 Futatsuka, Takaoka, 933-0816 JAPAN.

VK9X, CHRISTMAS ISLAND- Andy Chadwick, G3AB, informs OPDX that he will be active from Christmas Island as VK9XAB from August 30th to – September 6th. Activity will be mainly CW. This is a low key DXpedition with 100w and wire antennas. QSL via G3AB.

VP5, TURKS AND CAICOS – Dennis, K7BV/1, will be operating September 9-16th from the Turks & Caicos "HAM-LET" rental QTH. Six meters will be the primary focus (including meteor scatter) with active participation in the ARRL VHF Contest, September 13-14th. There will be HF operating when the 6 meter band is closed (primarily on RTTY and CW). QSL via KU9C.

<http://www.hornucopia.com/contestcal/contestcal.html> - Who said they needed to sharpen skills??

MI QRP Labor Day CW Sprint	2300Z, Sep 1 - 0300Z, Sep 2
All Asian DX Contest, SSB	0000Z, Sep 6 – 2400Z, Sep 7
Quick PSK63 Contest	0000Z - 2359Z, Sep 6
IARU Region 1 Field Day, SSB	1300Z, Sep 6 - 1300Z, Sep 7
North American Sprint, CW	0000Z - 0400Z, Sep 7
DARC 10-Meter Digital Contest	1100Z - 1700Z, Sep 7
YLRL Howdy Days	1400Z, Sep 10 - 0200Z, Sep 12
WAE DX Contest, SSB	0000Z, Sep 13 - 2359Z, Sep 14
Louisiana QSO Party	1400Z, Sep 13 - 0200Z, Sep 14 and 1400Z - 2000Z, Sep 14
ARRL September VHF QSO Party	1800Z, Sep 13 - 0300Z, Sep 15

(Continued on page 7)

Swap n Shop

Ohio's Official Observers and Ham Radio local club officers each have their own special Seminar at the September 6th Great Lakes Division Convention at the Findlay Inn and Conference Center. The OOs will meet in a special Seminar with James Bridgewater, who heads the FCC Detroit Field Office. Ham Radio enforcement issues will be the key as well as cleaning up interference problems. Here is a chance to get these details right from the FCC officer who supervises these issues.

Affiliated Club Coordinators from Michigan and Ohio will conduct the special Seminar on making Ham Radio clubs stronger. Highlights of the Division Convention include appearances by ARRL President Jim Haynie, W5JBP, of Dallas, as well as Mr. Bridgewater. President Haynie, making his second appearance in Ohio this year, will be the featured speaker at the Saturday night Banquet and participate in the Wouff Hong ceremony. He was at the Dayton Hamvention in May. Mr. Bridgewater will also open the afternoon Seminars portion speaking on Ham Radio enforcement issues and Broadband over Power Lines (BPL) among other issues. Other Seminars will include HSMM, APRS, ARDF, and PSK-31. A general session with Division Director Jim Weaver, K8JE, is also scheduled. Call Convention secretary, Jeanie Dalton, KB8QLC, at 1-859-245-7703, to get registered. Deadline is August 29. Special room rates at the Findlay Inn Convention Center are available until August 23. Call toll free at 1-800-825-1455. We know you will want to stay over for the Sunday Findlay Hamfest which annually

For Sale; Jerry Karusz WB8LFO (440) 282-2123
M-F 1-4 PM + all weekend after 12
Icom 765, TS940AT, Icom 751, Icom 701, Henry
2K floor model, Hazer heavy duty elevator, US
Tower with rotator and Cushcraft A4.

For Sale; Ted W8TAS 440-365-8041
I have used tower 4 sale: two at 40 foot (down) &
1 at 30 foot standing.
Also: 60 ft of Riverview tower (Down_ TH7DXX
beam & 40 meter beam (short) see Tom K8PV or
call Wellington, Oh

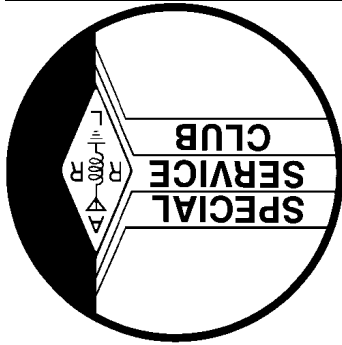
For Sale; Pat Willemin KB8AK PH 440-324-4575
40 meter beam by Cushcraft 402-CD Down \$250.00

Did everyone sell out at NOARSFEST??

Listings e-mailed to electro7@apk.net must include
your call sign in the message. NOARS Log editor,
Viriden "Clark" Beckman N8PZD

(Continued from page 6)

North American Sprint, SSB	0000Z	-	0400Z, Sep 14
FISTS Coast to Coast Contest	0000Z	-	2400Z, Sep 14
Tennessee QSO Party	1800Z, Sep 14	-	0100Z, Sep 15
QRP ARCI End of Summer PSK31 Sprint	2000Z	-	2400Z, Sep 14
AGB NEMIGA Contest	2100Z	-	2400Z, Sep 19
ARRL 10 GHz Cumulative Contest	0600 local	-	2400 local, Sep 20 and 0600 local - 2400 local, Sep 21
SARL VHF/UHF Contest	1000Z, Sep 20	-	1000Z, Sep 21
Scandinavian Activity Contest, CW	1200Z, Sep 20	-	1200Z, Sep 21
Collegiate QSO Party	1200Z, Sep 20	-	0400Z, Sep 21
South Carolina QSO Party	1300Z, Sep 20	-	2100Z, Sep 21
QRP Afield	1500Z, Sep 20	-	0300Z, Sep 21
Washington State Salmon Run	1600Z, Sep 20	-	0700Z, Sep 21 and 1600Z - 2400Z, Sep 21
Panama Anniversary Contest	1200Z	-	2359Z, Sep 21
Fall QRP Homebrewer Sprint	0000Z	-	0400Z, Sep 22
CQ/RJ Worldwide DX Contest, RTTY	0000Z, Sep 27	-	2400Z, Sep 28
Scandinavian Activity Contest, SSB	1200Z, Sep 27	-	1200Z, Sep 28
Texas QSO Party	1400Z, Sep 27	-	0200Z, Sep 28 and 1400Z - 2000Z, Sep 28
Alabama QSO Party	1800Z	-	2400Z, Sep 27



Amateur Radio Home of the U.S.S. Cod

Northern Ohio Amateur Radio Society
P. O. Box 432
Elyria, OH 44036-0432



The **NORTHERN OHIO AMATEUR RADIO SOCIETY** is a Public Service Organization, with the purpose of education and the furtherance of the art.

Meetings are held on the Third Monday of each Month except December at **Gargus Catering Hall, 1969 N. Ridge Rd., Lorain, Ohio** at 7:30 P.M. The **NOARS 2 METER NET** is held each **Wednesday at 9:00 P.M.** on the **146.700/444.800** repeaters in Elyria, Ohio, located atop the E.S.T. Bank Building.

The **NOARS TECHNICAL NET** is held each **Thursday at 8:00 P.M.** on **146.700/444.800**.

NOARS also operates a **BBS (BARF-80)** 100% Ham Radio information and news, full open access to all users at **(440) 237-8208 24 hr.** 300 - 33,600 baud. Visit **NOARS** on the Internet at **<http://www.apk.net/noars/>**

The **NOARS** club station donated by manufacturers aboard the **WW II** submarine **U.S.S. Cod** in the port of Cleveland is open from Memorial Day to Labor day. The station is open to all **NOARS** members and their guests daily from 11 AM until 5 PM.

If this is your first copy of the **NOARS LOG** why not become a member and receive it monthly? Membership is open to anyone interested in communications, whether a licensed amateur or not. Dues are \$10.00 US per year for a licensed amateur, \$5.00 for an associate member, and \$2.00 for family members. Checks are to be made payable to **NOARS** and mailed to **NOARS MEMBERSHIP, PO Box 432, Elyria, OH 44036-0432**, please include your call sign. Please fill in the email location to improve contact with our members.

Please Indicate _ NEW _ RENEWAL _ INTEREST IN HOBBY _ CHANGES * PHONE (____) _____
Name _____ CALLSIGN _____ CLASS _____ ARRL ___ Y/N
Address _____ City _____ ST ___ ZIP _____
E-mail address _____ May we send you the PDF newsletter? ___ Yes