
NOARS LOG

Volume 39, Issue 4

Welcome to *NOARS* Country

April, 2003



Club FM Repeaters

UHF: 449.800/444.800 MHz

VHF: 146.100/146.700 MHz

6 meters coming back soon

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

California antenna bill going strong – Hurricane net

Iraqi stations – Paul Harvey sends US Hams praises

FCC sends out warnings to ham operators

Hamvention Dinners and plans to stay at Hara Arena

Messages from the front table - Winter 2002/2003

Upcoming hamfests and events

27 Apr 2003 - Athens County ARA <http://www.seorf.ohiou.edu/~xx150/>
Contact: Drew McDaniel, W8MHV – Phone: 740-592-2106

3 May 2003 – Wexaukee ARC <http://members.fortunecity.com/wexaukee/>
Contact: Brian Polk, KC8TXT, 13826 Serenity Drive, Marion, MI 49665
Phone: 231-743-6860 Email: bandb@netonecom.ne

16-18 May 2003 – Hamvention Dayton ARA <http://www.hamvention.org/>

25 May 2003 – Franklin County Hamfest Committee Contact: Chris Lind, KC8BUO
PO Box 14281 - Columbus, OH 43214 – Phone: 614-267-7779 Fax: 614-263-7934

1 Jun 2003 – Chelsea ARC Contact: Derek Sheehan, W7REX 7515 Lake Street
Dexter, MI 48130 Phone: 734-424-0130 Email: w7rex@arrl.net

8 Jun 2003 -Goodyear ARC Contact: Rich Kuster, N8ZDQ RichJKuster@aol.com
1341 Whippoorwill Trail Stow, OH 44224-2327 Phone: 330-688-3589

Roll Call March 17

Bill Green WD8IPU
Fred Collins W8ADW
Mike Willemin W8EU
Tedd Mirgliotta KB8NW
Glen Thome N8AKS
Rosemary Shook KD8SC
Doug Krucinski WD8BJY
Mike Fanderys KB8RVK
Ray Smith W8ADV
Bob Metz KC8POL
James Eglin WD8IDN
John Pearl K8RWR
Daniel Schlick KB8LKH
Patrick Sweeney KC8TBD
John McKenna WD8IQJ
Dee Dee Ohman KA8VTS
Gary Gargus N8DIU
Ted Shook W8TAS
Tom Porter W8KYZ

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/nvec605.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, 216-642-8705

Baghdad ham club station dismantled prior to bombing: The Daily DX <<http://www.dailydx.com>> relays information from Diya Sayah, YI1DZ--one of the primary operators at the Baghdad Radio Club YI1BGD station in Baghdad. Sayah reported just prior to the outbreak of hostilities in Iraq that he had dismantled the YI1BGD station equipment and stored it in a safe place--if there can be such a location in the besieged capital city at this point. The Daily DX Editor Bernie McClenny, 3UR, says he doubts there will be any activity in the near future from YI1BGD "much less any other YI stations." The YI1BGD club station went on the air in the 1970s. The Iraqi Association for Radio Amateurs (IARA) remains an International Amateur Radio Union (IARU)

Minutes of February 17, 2003 Meeting

Minutes of March 17, 2003 Meeting

The meeting was called to order by our president, Ted Shook, W8TAS at 7:30 p.m. with 18 members in attendance. The meeting began with the pledge of allegiance and roll call.

Treasurer's Report - The treasurers report was read by Tom Porter, W8KYZ. A motion was made by John Pearl, K8RWR and seconded by Fred Collins, W8ADW to accept the report as read, the motion was passed.

DX Report - The ARRL wants to know if anyone is having trouble regarding their QSL cards or their QSL manager. If you have any complaints about the League contact Tedd Mirgliotta, KB8NW.

Nets - The nets are going along very well.

Field Day - At our April meeting we will begin having a field day meeting after the regular meeting.

USS Cod - The submarine is still floating. On April 26 & 27, a special event will be designed especially for the "Vintage Submarines of World War II" they would like all submarines to get on the call up list. The USS Cod will try to participate. We need to do some work on the radio before we can get on the air.

New Business:

Next months meeting we have a little conflict, we will have someone here to talk about Echo Link and also Tom Kelly from EMA will be here to talk about why the clouds are in the sky.

Ray Smith, W8ADV, asked the club if he could start a net to learn morse code on Tuesday at 8:00 p.m. beginning on April 1st. A motion was made and seconded. The club approved his request.

73 Magazine has sent us an offer. If we can get three members or three hams you can subscribe for \$20.00 a year. It can be a new subscription, renewal, or an extension. If you want to do this you must get in touch with Tom Porter, W8KYZ.

If you are subscribing to QST for the very first time ever or if you have left your subscription expire for a year or longer and you're going to renew it, please do it through the club because we get \$15.00 off of one of these new subscriptions.

The Special Olympics is May 2nd , the rain date is May 6th . Be there at 8:30 a.m.

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

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

* Amateur Radio at the National Hurricane Conference: The 25th annual National Hurricane Conference will be held April 14-18 in New Orleans at the Hyatt Regency. Through the coordination efforts of Mike Carter, N3PDK, there will be an Amateur Radio session Tuesday, April 15, 1:30 to 5:00 PM, in the room "Regency G" on the third floor. Amateur Radio operators are invited to attend this session at no cost and without having to register for the conference. A panel of speakers will present the role of Amateur Radio in hurricane-related communication with a specific focus on last fall's operations during Hurricane Lili and Tropical Storm Isidore. ARRL section leaders from the Gulf Coast region, representatives of the Hurricane Watch Net and ARRL Headquarters will be among the participants.

FCC WARNS AMATEURS: UNLICENSED OPERATION COULD COST YOUR HAM TICKET

The FCC has let a trio of Idaho amateurs know that unlicensed operation outside Amateur Radio frequencies could lead to revocation of their ham tickets. FCC Special Counsel Riley Hollingsworth recently wrote three Boise amateurs, citing allegations that they had transmitted without a license on several 11-meter frequencies.

"Information before the Commission indicates that you have transmitted without a license on 26.350, 27.420 and 27.700 MHz using SSB and SSTV," Hollingsworth said. He pointed out that, in addition to revocation proceedings, fines for unlicensed operation normally range from \$7500 to \$10,000. Letters went out March 17 to Dave Every, KD7QAS; John F. Hail, KD7QAW; and Tom M. Sjoberg, KD7RCS. Every holds a General ticket, while Hail and Sjoberg are Technician licensees. Hollingsworth says he understands that the unlicensed operations have ceased. The three frequencies involved are below and above the Citizens Band.

An Ohio ham, Dave K. Childers, N8QGI, also heard from Hollingsworth March 18 in a case involving alleged obscene or indecent transmissions last December on 27.115 MHz--CB channel 13. Hollingsworth did not raise the issue of unlicensed operation in that case, but he did spell out the FCC's position on the transmission of obscene or indecent words or language. He also requested Childers, a Technician licensee, to respond to the complaint within 20 days and indicated that a tape recording would be made available to him upon request.

Although the alleged Idaho and Ohio operations occurred on 11 meters, Hollingsworth said he contacted the four individuals only because it was determined that they were FCC Amateur Radio Service licensees. Complaints in the Idaho cases came from the amateur community, Hollingsworth indicated.

The FCC also sent a Warning Notice March 24 to Anthony L. Basile, N3HFB, of Pennsylvania, citing "monitoring information" indicating that the licensee has been deliberately interfering with three 2-meter repeater systems in his area. Hollingsworth warned of fines and revocation proceedings and said that until the matter is resolved, the FCC would not routinely renew Basile's Advanced class license, which expires in September. A similar Warning Notice went out March 18 to Tech Plus licensee Erin J. Rourke, N0KCN, of North Dakota, alleging deliberate interference to a 2-meter repeater in the Fargo area.

In another enforcement case, Hollingsworth has notified Drew B. Feldman of Los Angeles that the Wireless Telecommunications Bureau had set aside his Amateur Radio license KG6PFC. "That action is based upon complaints about the operation of your station," Hollingsworth wrote March 18. In May 2000, the FCC canceled Feldman's Tech Plus ticket, N3KSO, after he failed to appear as requested for re-examination. Feldman subsequently retested for the Technician license and was issued KG6PFC on February 20. Following the complaints, the FCC

IRAQI AMATEUR OPERATION REPORTED

The Daily DX <<http://www.dailydx.com>> this week reported that Jim Dunkerton, KT4CK, of Tennessee, has been active from the Middle East on 15 meters SSB. On April 6, he was giving his location as somewhere in the desert of the Middle East, but the following day, he was identifying as YI/KT4CK and saying he was in the desert of Southern Iraq. The Daily DX says that John Shelton, K1XN, has confirmed that Dunkerton is--or has been--with the 101st Airborne, reported by CNN this week as being near Karbala in Central Iraq.

Several stations have reported working or hearing YI/KT4CK between 1400 and 1600 UTC. SV1GRH spotted YI/KT4CK at 1438 UTC on April 7 on 21.312.5 MHz and noted that he was looking for US stations but, The Daily DX quoted SV1GRH as saying that YI/KT4CK was not getting many replies.

Meanwhile, The Daily DX says Ed Giorgadze, 4L4FN, now is in the Middle East after wrapping up his North Korean (P5) operation. He has been in Turkey, very close to the Turkish/Iraqi border, for the last month and awaits his next UN World Food Program assignment--which could be inside war-torn Iraq.

RADIO COMMENTATOR PAUL HARVEY PLUGS HAM RADIO'S EMERGENCY COMMUNICATIONS ROLE

Veteran ABC Radio Networks commentator Paul Harvey this week offered some kind words for Amateur Radio. The mention was the second item on "page four" of his March 19 Paul Harvey Noon News and Comment program.

"America's quiet warriors are the legion of ham radio operators, 700,000 of them, who are always at ready for backup duty in emergencies--amateur, unpaid, uncelebrated, civilian radio operators, during and after floods and fires and tornadoes," Harvey said. "After the 9/11 attacks, hams were indispensable in reuniting friends and families. Most recently it was they who expedited the search for debris after the disaster to the space shuttle Columbia, and right now, at this moment, they are involved in homeland security to a greater degree than you would want me to make public."

The commentary's enigmatic and mysterious final sentence--typical of Harvey's habit of leaving his listeners hanging--apparently refers to the fact that many Amateur Radio Emergency Service (ARES) and Radio Amateur Emergency Service (RACES) teams have ramped up their alert status as hostilities get under way in the Middle East.

The entire Wednesday noon broadcast is available on Paul Harvey's Web site <<http://www.paulharvey.com/>>. Click on the Wednesday noon link under "Listen Now."

CALIFORNIA ANTENNA BILL ZIPS THROUGH ASSEMBLY

Just eight days after being voted out of committee, California's latest effort to pass an Amateur Radio antenna bill--Assembly Bill 1228--this week got the approval of the California Assembly on a 67-0 vote on April 10. The measure's had its first reading in the Senate. The next major step will be a hearing--as yet unscheduled--before the Senate Local Government Committee.

"Excellent news!" was the reaction of ARRL Southwestern Division Director Art Goddard, W6XD. The bill, introduced February 21 by Assemblyman Bob Dutton (R-63rd), got a unanimous 9-0 favorable vote at an April 2 hearing of the Assembly Committee on Local Government at which ARRL staffer and antenna expert Dean Straw, N6BV--a California resident--testified on behalf of the measure. ARRL Pacific Division Director Bob Vallio, 6RGG, also spoke at the hearing.

Mike Mitchell, W6RW, who's spearheading the Amateur Radio community's effort to promote the bill says AB 1228, now is seeking witnesses for the Senate committee hearing. Straw already has volunteered to appear. AB 1228 marks the first bill sponsored by Dutton--who was elected last November--to reach the Assembly floor.

AB 1228 would incorporate the language of PRB-1 into the statutes of California. The state is home to some 100,000 Amateur Radio licensees--by far the greatest number of any other state and nearly 15 percent of total US licensees. The measure would require any ordinance regulating Amateur Radio antenna structures to not preclude but to "reasonably accommodate" Amateur Radio communications, to allow amateur station antenna structures "at heights and dimensions sufficient to accommodate Amateur Radio Service communications" and to constitute "the minimum practicable regulation to accomplish the legitimate purpose of the city or county."

The California legislature approved a nearly identical PRB-1 measure three years ago, but Gov Gray Davis vetoed it. Davis said at the time that he did so because funds for required studies were not included in his budget. The new bill does not carry a price tag.

A copy of the proposed legislation is available on the California Legislature Web site <http://www.leginfo.ca.gov/pub/bill/asm/ab_1201-1250/ab_1228_bill_20030221_introduced.html>. Utah recently became the latest of 17 states to incorporate the essence of PRB-1 into their laws.

Where's the DX? - Taken from Tedd KB8NW OPDX bulletin 03/12/03 – www.papays.com/

A4, OMAN (Pirate Activity) Axel, DL6KVA, has been in contact with Alex, A45WD (YO9HP), and has confirmed that a station using Alex's callsign operating on 30 meters (March 29th, 2000-2100z on 10107.6 kHz) was a PI-RATE. Alex states he is NOT licensed to operate on 30 meters (yet). All QSLs for this band activity will be returned. He is trying very hard to get approval to operate on 30 meters, but it is going very slow.

IQ/IU, ITALY (Prefix News) - Andy, IV3SKB, informs OPDX that the "IQ" prefix will now be used only for club stations in Italy. Andy states in the past he used the callsign IQ3X in major contests and will now change his contest callsign to IU3Y. Look for him to be active in the ARRL DX CW Contest as IU3Y and as a Single-OP on 40 meters. QSL both callsigns direct or via the bureau to IV3SKB.

S0, WESTERN SAHARA (Update) The S05X Team keeps preparing the next "BIGGEST DXpedition" ever seen in the Sahara Desert. They will have 11 operators from 6 different countries. The S05X Team will be active from April 16-21st, and be on air from Tifariti, Western Sahara, operating 24 hours, on all bands, all modes. The list of equipment includes: Kenwood TS2000, a few Icom 706s, Icom 756PRO and a BRAND NEW ICOM 7400 (Icom 746PRO) to test in this really hard environment. They have this special Icom IC7400 thanks to one of their supporters, the major Icom reseller in Italy: Giorgio Mossino's "D.A.E. Telecomunicazioni" who is always ready to support RADIO ACTIVITIES. Other kind supporters have supplied the team with 4 brand news laptops to use during their DXpedition. "Hewlett Packard of Italy" will let them use their fast new XE4000 for their logging and digitals transmission. From the first day of operation, S05X will be on CW, SSB, RTTY and PSK, and is expected to provide you with a 59(9) signal from an exceptional locator for the very first time. The S05X Team will be on 6 meters from a very new LOCATOR: IL46RD They are going to use a 6 meters 3 element yagi (Cushcraft A30S) during the operation. They will try to be on air as much as propagation allows because they know this is the very first time this locator is activated. QSL Manager is URE, the Spanish National Asociation and Bureau, and the cards will go VIA EA4URE.

9N, NEPAL Dov, 4Z4DX, is expected to be active as 9N7DX from April 22nd to May 13th. He will be looking for Israeli stations everyday on 14195 kHz starting around 1500z. His activity will be on all bands and modes, but mostly on PSK31/RTTY/CW.

GACW DX CONTEST Raul, LU6EF, GACW Coordinator, wants to remind everyone that the GACW World Wide DX Contest will be held during the third weekend of April (April 19-20th). For details and rules on the contest, please visit their Web site at: <http://gacw.no-ip.org>

IOTA NEWS AF-045. Members of the Association des Radioamateur Senegalais (ARAS) 6W Radio Club will be active as 6V1A from Goree Island, June 7-9th. Activity will be on HF bands mainly on SSB with some CW. QSL via ARAS QSL bureau to Jean Louis, 6W6JX.

AS-079. Taka, JR3TVH, will be active once again as JR3TVH/6, from Miyako Island starting around 0900z on May 1st until around 1000z on May 5th. Look for activity on 6, 10, 12, 17 and 20 meters SSB and CW. QSL via home call or the JARL QSL Bureau.

EU-187. There will be a DXpedition to Gavdos Island from June 1-10th. There was no callsign mentioned or bands/modes of activity. QSL via SV2DGH.

OC-242. Operators YB8CR, YB8BHV, YB0KLI, YC8CPV, YB0DPO, YB8HZ, YB8HGM, YB0ECT, YB0LBK and YB0AI will be active from Latondu Island, Takabonerate, South Sulawesi, Indonesia, between March 26-31st. The callsign will be YE8A, and the QSL Manager is YB8BRI. They planned to be active on all HF bands 80-10 meters CW, SSB, SSTV, RTTY, PSK31 and AO-40 Satellite. Also, look for them to participate in the CQ WPX SSB Contest. Please visit their Web site at: <http://takabonerate.aerocity.net> If you would like to be a sponsor, please open their proposal documents on: <http://takabonerate.aerocity.net/pdf/english/> Should you have any questions, please do not hesitate to contact them at: operators@takabonerate.aerocity.net

Swap n Shop

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. This is a moving sale.

Did everyone sell out at winterfest??

SPECIAL EVENT

The Maritime Radio Historical Society is pleased to announce that K6KPH will be on the air on April 26th, to participate in the annual International Marconi Day commemorative event. International Marconi Day takes place each year on a weekend close to the birthday of the great radio pioneer Guglielmo Marconi. The event is organized by the Cornish Amateur Radio Club which offers awards to stations in various classes. See their Web site for details at: <http://www.gb4imd.co.uk/> Station K6KPH's transmitting frequencies will be 7050, 14050 and 21050 kHz (3545 kHz may also be activated if conditions warrant). Also, K6KPH will begin operations on April 26th at 1700z (1000 PDT). The actual International Marconi Day event runs from 0000-2359z on April 26th. QSLs for K6KPH and reception reports may be sent to: Ms. DA Stoops, P.O. Box 381, Bolinas CA 94924-0381, USA. Visit the Maritime Radio Historical Society Web page at: <http://www.radiomarine.org>

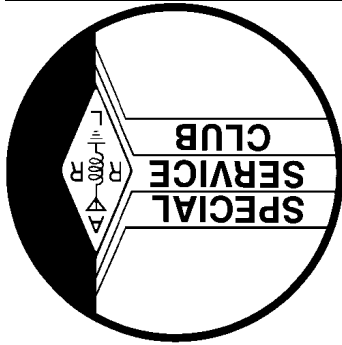
News story credits ham radio for aiding maritime rescue: According to a recent New York Times news item attributed to Agence France-Presse, unidentified ham radio operators picked up distress signals April 6 from a 114-foot missionary vessel that had experienced engine trouble during a 2000-mile journey from Kiritimati Island (also known as Christmas Island) to Kiribati in Micronesia. The ship, with 64 passengers, reportedly had run out of water and food and had begun drifting south of the equator. In response to the distress call report, a nearby US Coast Guard icebreaker, Polar Sea--which was returning from Antarctica to Arctic duty--was dispatched and succeeded in finding the drifting vessel. Coast Guard engineers reportedly repaired the engines and provided food and water for the passengers and crew. One passenger was taken off the vessel for medical treatment. The boat later proceeded under its own power to Tarawa.

* Dayton Contest Dinner tickets now on sale: The North Coast Contesters have announced that tickets for the 11th annual Dayton Contest Dinner now are on sale. The dinner will be held Saturday, May 17, 6:30 PM, at the Crowne Plaza Hotel in downtown Dayton. Seating is limited, random and not reserved. All dinner ticket orders are handled exclusively by Craig Clark, K1QX, Radioware and Radio Bookstore, PO Box 209, Rindge, NH 03461 <<http://www.radio-ware.com>>. Order tickets weekdays by calling toll-free 800-457-7373 or via e-mail <jcclark@prexar.com>. Major credit cards are accepted.

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

World Amateur Radio Day Award available:

MK QTC, the journal of PZK, the Polish Amateur Radio Union, has announced its World Amateur Radio Day 2003 Award. The award commemorates World Amateur Radio Day, celebrated by the International Amateur Radio Union (IARU) each year on April 18. The theme of World Amateur Radio Day 2003 is "Amateur Radio supporting technology education in the classroom." The award is available for making 10 HF QSOs or 5 VHF QSOs on April 18 UTC. A standard application form including a list of QSOs must be sent before May 31 to Redakcja MK QTC, ul. Wielmozy 5b, 82-337 Suchacz-Zamek, Poland. Enclose \$5 US or 5 Euro. SWLs are eligible for the award. For more information, contact MK QTC <qtc@post.pl>.



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