



NOARS LOG

Our
43rd Year
Serving The
Amateur Radio
Community

The Newsletter of:

The Northern Ohio Amateur Radio Society

www.noars.net

Welcome to NOARS country!

December 2007

NOARS meetings are held at:
GARGUS HALL
1969 N. Ridge Rd. Sheffield Oh.



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

SUN	MON	TUES	WED	THUR	FRI	SAT	
No Meeting in December!						1	
2	3	4	5 NOARS NET 9 pm. NCS: K8JWS	6 Tech NET 8 pm. NCS: W8KY5	7	8	
9	10	11	12 NOARS NET 9 pm. NCS: WD8OFG	13 Tech NET 8 pm. NCS: W8KY5	14	15	
16 VE Exams 1 P.M.	17	18	19 NOARS NET 9 pm. NCS: WD8IQJ	20 Tech NET 8 pm. NCS: W8KY5	21	22	
23	24	25	26 NOARS NET 9 pm. NCS: N8CX	27 Tech NET 8 pm. NCS: W8KY5	28	29	
30	31	NOARS nets are open to ALL! Tune 146.70 VHF or 444.800 UHF					

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The Northern Ohio Amateur Radio Society K8KRG



December, 2007 Volume 43 Issue 12

Welcome To N.O.A.R.S

Ho! Ho! Ho! Ho!.... Yikes I can't say that anymore. Hihi! Well you get the idea! Have a wonderful holiday season. And that means you!

Well first off let me say, I apologize for being a little late with this issue of the newsletter. But with moving and the season being what it is I'll just plead the fifth! So if you notice a general lightness to this issue.. Well lets just say "'tis the season"

Glad to see all the interest in the new amateur radio class starting up. The education committee has ironed out a new schedule for the 2007/08 class (see page three). And I for one are sure glad to see it, especially with the last crop of good guys that came in with the last tilling of the field.

Did you get to that holiday dinner over at Sugar Creek? Well I sure did and I am sure that from all indications I've seen a good time was had by all.

The Great NOARS Winter Ham Fest is coming! Look for us the first Saturday in February! Same place same time. This indoor hamfest is just the ticket to solve the winter doldrums. The IRS is just starting to give a few greenies back. And I'm sure that you've accumulated a goody pile of rare, exotic and mostly unused stuff you would just love to recycle. So bring it on out. See what happens. Better yet! Come on out and help us put on one of the really nice events. And help us start off the 2008 season of NOARS activities. All with you in mind.

Well this is my last term as the leader of this great band. And I want to say at this time, it's been a pleasure to be here. We've had ups and downs and ins and outs but by and large I'd say we made some good strides in the right direction. When I sit and watch on nominations night. When it call is made for officers candidates and there is little or no movement on the floor (except for some squirming here and there!) I am surprised because from my vantage point this is the easiest and smoothest gig in the whole organization. And don't forget I'll still be pounding out the "LOG" on a regular basis. And I'll be doing field-day, net management, membership committee and what ever else it takes. Until next meeting:

Best 73 and CUL.....

John

John McKenna - *WD8IQJ* President NOARS

Write: President2007, P.O. Box 35 Avon Lake, Oh. 44012

Or: E-Mail me at: wd8iqj@noars.net

Who's who at NOARS?

2007 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 2007

News Letter Production: *WD8IQJ* John (*Editor*)
W8KYZ Tom (*Producer*)
A.R.R.L. V.E.: *W8KYZ* Tom Porter
Education Committee: *K8JWS*, *W8KYZ*, *W8KRF*,
K8BMIS, *WA8UGC*
Property Manager: *WD8BJY* Doug Krucinski
DX Correspondent: *N8CX* Al Moriarty
Net operations Manager: *WD8IQJ* John McKenna
Hamfest Crew : *W8KYZ* Tom Porter
N8PZD Clark Beckman
N8CX Al Moriarty
KA8VTS Darelene Ohman
Web Master@www.noars.net: *K8JWS* John Schaaf
Sunshine Committee: *KD8SC* Rosemary Shook
Repeater Upkeep: *N8PZD* Clark Beckman
Membership: *WD8IQJ* John McKenna
Elmer Corp. Representative *W8ADV* Ray Smith

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 IS ON THE AIR!

Weekly Nets:

146.700 Wednesday Night Rag chews 9 pm local
NCS: *WD8IQJ* - *WD8OFG* - *N8CX* - *WA8Q* - *K8JWS*
146.700 Thursday Technical discussion net 8Pm Local time
NCS: *W8KYS* - *W8KYZ*
All are welcome on NOARS nets!

Roll Call November 19th Meeting

KC8VFE - Dick	W8GWD - Joe	20 Members And Guest's Present	WA8UGC - Jim	W8KRF - Carl
KD8GXX - Norm	KC8E - Dallas		K8JWS - John	N8DIU - Gary
W8TAS - Ted	KB8MIS Richard		WD8OFG - Harold	KA8VTS Darlene
WD8IQJ - John	W8KYZ - Tom		KD8SC - Rosemary	K8PJS - Patrick
KC8BQO - Ken	KC8BXH - Joni		W8DJM - DJ	NC8X - Alan

PARRPKCDLLKSPCZJFFT
 PGDTDBFTFMKLFECRTBT
 LSSCIKODPEDPPATPGRI
 BAMISXEXHELLQCEDPIG
 NCPWMKBPKDSLEELSUKN
 PEKOIIGOBYKFEYBYBMD
 LHTHAGHCRMFKIGADRUP
 IATCSCRDRREVFAQTHEIB
 NYOHPAPCETRTDTSASTC
 EFRAEABRRCEAUSIRWCH
 UTBRBHRDOMAEDEBTIPH
 TRIGQLSTETKYCIELNBO
 RPTTEKPGVIHONRVOEGDZ
 ORFDGTIFKCRNIUNYIYE
 NSWBOTTDNKLTDOTPNLW
 DQLCCAPETCCEOPGTGEC
 SNVACPRURAI BISTABLE
 ELECTRONMONOSTABLES
 RERELATIVEELJCBIGP

Solution To Puzzle 1107

Upcoming events

Have your event posted here!
 Send copy to: NOARS Newsletter Editor, P.O. Box 35
 Avon Lake, Oh. 44012 Or Email wd8iqj@noars.net -
 Deadline Is Third Tuesday Of Each Month For The
 Following Months Publication

AMATEUR RADIO CLASSES

A joint NOARS/LCARA sponsored Technician Class will begin on January 28, 2008 and last for seven weeks with no class being held on the fourth week but participants are encouraged to attend the NOARS meeting that evening.*

The classes will be held in the American Red Cross building at 2929 West River Road N., Elyria, OH at 6:00PM. Each class will be 3 hours long.

The book used for the class is "The ARRL Ham Radio License Manual" and will be available for \$20.00. If you intend to take the class, please send your remittance of \$20.00 to NOARS/LCARA Class, c/o Tom Porter W8KYZ, 161 Herrmann Dr, Avon, OH 44012 prior to the January 28 start date. Be sure to include contact information, e.g., email address or phone number as well as your full name and address.

More information about the book can be found at the ARRL website under "Help For Beginners" category.

* NOARS meetings are held on the third Monday of the month at 7:30PM in Gargus Hall, 1969 North Ridge Road, Lorain, OH.

N.O.A.R.S. NEWS

Membership News

Welcome to the NOARS community
 NEW Member:

- KC8E Dallas (Tex) Butcher

Welcome to NOARS country "Tex" hope to hear you on the nets!

It's That Time Again! December 31st

Is right around the corner! And that means it's dues time again! We need your help this year to keep NOARS one of the better amateur radio associations in Northern Ohio.

Since there is no meeting in December we grant a ninety day grace period. But please get your dues in ASAP!

Dues are: Full \$10/yr, Associate \$5/yr, Family* \$2/yr Charter
 Send your dues with a fresh application (see back page of this copy of the Log)

Make checks payable to the: Northern Ohio Amateur Radio Society. Send checks to: NOARS Membership committee PO BOX 35 Avon Lake, Ohio 44012

Help Wanted !

Net Control Station for the Thursday night tech net. No experience necessary. Give Sandy W8KYS a break! Split the load! Take every other week! Contact John WD8IQJ or Sandy W8KYS if you want to join in the fun

**Minutes of the November 19, 2007 Meeting
Submitted by: Darlene Ohman, KA8VTS**

The meeting began at 7:40p.m. with 20 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.
- **Educational Committee:** Rich Storzaker, KB8MIS, we are going to hold the classes at the Red Cross to be held on Mondays. We do have 10 books for general class and if anyone wants one the cost will be \$19.00. If you would like a book, call Tom Porter.
- **Newsletter and Membership:** John McKenna, WD8IQJ, everything is going well. Membership, the end of the year is coming up so remember to get your dues in. We do give a 90 day grace period. Your dues are due on January 1, 2008.
- **Nets:** John McKenna, WD8IQJ, the nets are going along very well.
- **Sunshine:** Rosemary Shook, KD8SC, we sent a card to Ken Roberts.
- **DX:** Al Moriarty, N8CX, the sunspots have been zero and the bands have been really bad.
- **Repeater:** Clark Beckman, N8PZD, not in attendance.
- **Web Site:** John Schaaf, K8JWS, the updates have been done. We have the Winter Hamfest and the Noarsfest on the website.
- **Old Business:** Just a reminder to everyone, if you are renewing your membership or joining ARRL give Tom Porter, W8KYZ, your money (\$39.00) or make out your check to Noars and the club will get \$15.00. What Tom does is takes your money and makes out a check from Noars minus \$15.00 and sends it to ARRL. This way the club makes a little money.
- **Winter Hamfest:** Darlene Ohman, KA8VTS, will be the table contact person.
- **This is the time of year** that the club considers making a charitable donation. In the past we have donated to Second Harvest and to the Elyria Red Cross and the Amateur Radio News Line. A motion was made and passed to give \$100.00 to the Amateur Radio News Line. A motion was made and passed to give \$250.00 each to Second Harvest and the Salvation Army.
- **New Business:** Xmas Party, Tom Porter, W8KYZ, December 1, 2007 at Sugarcreek Restaurant located at Rt. 254 and I90. We have about 7 main course items to pick from. The meal also includes mashed potatoes, gravy, stuffing, vegetable, salad and rolls, also a beverage and dessert. The charge is \$16.00 per person, children are \$10.00 and I am taking money tonight. You can pay me at the door. No dancing, but you can byob. We will have some drawings. We would like you to get there at 5:00 pm and we will have dinner about 5:30 pm or 5:45 pm, then a presentation of awards and introduction of our officers. The restaurant closes at 10:00 pm. Bring munchies if you want to.

The meeting was adjourned at 8:14 p.m.

Say Happy Birthday (Send 'em ARL#46) 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.)
N8MPC - W8KYZ - WD8ADG - W8AWM - WD8IPU - W8GET - W8AJF - K18IL - NO8L

A Few Of The Callsigns Heard On The

NOARS Nets. Wednesday and Thursdays nights
On The 146.700/100 Repeater In Elyria
November 2nd ~ November 29th

WD8IQJ W8KYS W8KYZ N8MPC WA8PKC KC8VCM W8KRF
W8TAS K8JWS KC8TYB W8ADV KC8VFE KC8YYS KB8BBZ
WA8Q K8WRS N8CX KD8BBI WD8OFG N8KMO K8HLJ KJ1J
KD8SC WD8ADG KD8FGY NC8X WB3JVK KA8OYE KB8TK
KD8CGV K8RWC W8FAN KD8GXZ K8HUR KA8GZA AF8C
KB8ZUN KC8AMR KA8PRE WD8JJA* *echolink

146.700 Has Two NOARS Nets For You!

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 - W8KYZ - WD8OFG - N8CX - K8JWS

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 & W8KYZ

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!

E4, PALESTINE -- This DXCC entity has not been on the air for about eight years. However, after about a year's worth of working with the Palestinian Authorities, operators Mike/OM2DX, Steve/OM3JW, Rudi/OM3PC and Miro/OM5RW have received permission and will be active as E4/OM2DX, December 14-22nd. Activity will be on 160-10 meters on CW/SSB/RTTY with two stations. QSL via OM3JW. Look for more info, updates and an online log at: <http://www.om2dx.com>

IOTA NEWS -- YV0, AVES ISLAND -- If you have not heard, Aves Island was almost washed away by Hurricane Dean on August 17th. Take a look at the unbelievable before and after photos of Aves Island at: <http://www.yv0.info/dean/dean1.html>

Contest Corner

(Excerpted from arrl.org)

Dec 1-2

ARRL 160 Meter Contest -- CW, from 2200Z Nov 30-1600Z Dec 2. TARA RTTY M6lee -- from 0000Z-2400Z Dec 1. Frequencies: 160- 10 meters, Top Operators Activity Contest (TAC) -- CW, from 1600Z Dec 1 to 1800Z Dec 2. Frequencies: 80 meters.

Bruce Kelley Memorial 1929 QSO Party -- CW, from 2300Z Dec 1-2300Z Dec 2 and 2300Z Dec 8-2300Z Dec 9. Frequencies (Mcs): 3.550-3.850 and 7.030-7.050. 10 watts plate input power max (20 watts after 0500Z).

Dec 8-9

ARRL 10 Meter Contest -- 0000Z Dec 8-2400Z Dec 9.
28 MHz SWL Contest -- runs at the same time as the ARRL 10 Meter Contest.
PSK31 Death Match -- PSK31 and PSK63 - 0000Z Dec 15-2400Z Dec 16. Frequencies: 80-6 meters, PSK31 and PSK63 count as separate "bands."
Russian 160-Meter Contest -- CW/SSB. - 0000Z-0200Z Dec 16.
 Croatian CW Contest ---1400Z Dec 15-1400Z Dec 16. Frequencies: 160-10 meters.

Bruce Kelley Memorial 1929 QSO Party - (see Dec 1-2)

Dec 13-17

OK DX RTTY Contest -- - 0000Z-2400Z Dec 15. Frequencies: 80-10 meters according to IARU band plan.

North American Meteor Scatter Contest ---0000Z Dec 13 to 0700Z Dec 17 during the Geminids meteor shower. Frequencies (MHz): 50, 144, 222, 432, via meteor scatter.

Holiday Spirits Homebrew CW Sprint -- 2000Z-2400Z Dec 16. Frequencies (MHz) -- 1.810, 3.560, 7.040, 14.060, 21.060, 28.060 kHz.
 Lighthouse Christmas Lights QSO Party -- all modes- 0001Z Dec 15-2359Z Dec 31. Frequencies (MHz): CW -- 1.830, 3.530, 7.030, 14.030, 21.030, 28.030, SSB -- 1.970, 3.970, 7.270, 14.270, 21.370, 28.370, plus VHF and repeaters.

Dec 26-Jan 6

DARC Christmas Contest -- CW/SSB-0830Z-1100Z Dec 26. Frequencies (MHz): CW -- 3.510-3.560, 7.010-7.040, SSB -- 3.610-3.650 and 3.700-3.775, 7.040.

RAC Winter Contest -- CW/Phone.- 0000Z-2359Z Dec 29. Frequencies (MHz): CW -- 25 kHz up from the band edge (check on the half hour), Phone -- 1.850, 3.775, 7.075, 7.225, 14.175, 21.250, 28.500, 50 and 144 MHz.
 Stew Perry Top Band Distance Challenge -- CW -- 1500Z Dec 29-1500Z Dec 30. Frequencies: 160 meters.

ARRL Straight Key Night -- from 0000Z-2359Z Jan 1, 2008. (See page 98 of this issue of QST or www.rrl.org/contests.)

Worked All Britain Christmas Party -- CW/SSB/Digital - 0000Z Dec 26-2359 Jan 6, 2008. Frequencies: 160 meters-microwave. Categories: SO, MO, SWL (Fixed, Mobile, Portable), QRP. Exchange: RS(T) + serial number + WAB area or DXCC entity. For more information and scoring: www.worked-all-britain.co.uk/Christmas%20Party%20Award.php. Logs due 21 days after the contest to g4iar@worked-all-britain.co.uk or Dave Brooks, 28 Avon Vale Rd, Loughborough, Leicestershire, LE11 2AA, England.

Please Note: This is only a SMALL part of: OPDX Bulletin #834
 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.)

Got 6 ?

Contributed By N8OFS Andy

C6AYM NEW PROVIDENCE - Look for Eric, K9GY to be active May 21-26th as C6AYM from New Providence Island [Nassau] (NA-001, WLOTA LH-1115), Bahamas. QRV on 80-10m CW and 6m SSB/CW, including a Single-Op/All-Band/Low-Power entry in the CQ WPX CW Contest (May 24-25th). QSL via K9GY.

DATE:MAY21-MAY26 2008

CALL:C6AYM(ERIC) - TYPE:CONTEST DXPEDITION WITH 6 METERS - OPRS:K9GY(ERIC) - QSLM:K9GY(ERIC)
 OTA:NA-001 - GRID:FL15HB - URL:<http://www.k9gy.com/>

Alaska, KL7/W6JKV. I will be operating on 6 meters from Alaska from June 18 to June 30, 2008. Location is from a mountain top 30 miles NE of Fairbanks with outstanding view in all directions. Altitude 2500 feet. Distance to London is 4200 miles, 4000 to Frankfurt, 4100 miles to Tokyo. Will have 800 watts and big antenna. I will need lot of luck and lots of people staying up late, but hope to work a lot of you. Jimmy, W6JKV. WWL BP64.

DATE:JUNE18-JUNE30 2008

CALL:KL7/W6JKV - TYPE:DXPEDITION -
 OPRS:W6JKV(JIMMY) - QSLM:W6JKV(JIMMY) - GRID:BP64
 URL:<http://www.w6jvk.com/>

6M Caribbean DXpedition 2008, V3 and HK0. "Thank you" to those who shared your thoughts for a Caribbean DXpedition next year. I have decided to go to both V3 and HK0 San Andres between June 19 and July 6. I am returning to V3 because last year's trip was too late in the season to feed the European need. HK0 demand is high everywhere so that was easy to decide. This DXpedition will have one...and only one...focus - SIX METERS. Small rental cottages are already reserved on the eastern shore of both islands. The budget for this two-island trip is a bit staggering and beyond my pocket book, but I am going to "go for it" believing sufficient financial support will come. Mick McManus W1JJ will be the DXpedition Treasurer collecting support monies.. Mick will also be doing QSL Manager duty as well. Pat W5OZI has agreed to once again be my Pilot Station because Internet access will be limited...at best. The station at both locations will be a KW to 7 elements within 10 meters of the Caribbean shore. Website <http://www.qth.com/k7bv/caribe2008> will appear in the next day or so and grow as more details are firming up. And...as always...may the Es be with us! 73, Dennis Motschenbacher K7BV

73's Andy 'NEON' Sargent N8OFS "6 TIL DEATH" - SMIRK# 6737

<http://www.smirk.org>

WW6MC# 2400 <http://www.6mt.com>

<http://www.noars.net/got6/GOT6.doc>

<http://www.6mbeacon.net>

<http://www.vhfdx.net/spots/map.php?Lan=E&Frec=50&Map=NA>

For Sale & Advertisement's Page

All Submissions must be sent to wd8iqj@noars.net or sent to: P.O. Box 35 Avon Lake, Oh. 44012

Deadline for submissions is the Third Tuesday of each month. All must include Asking price, sellers name, call sign and phone number. Ad's from current NOARS members (or paying advertisers) only will be accepted! Notice! All ad's will be removed after three months (as space is needed) unless updated! NOARS reserves the right to refuse ad's at our discretion.

KC8POL Bob (440) 887-0466 5/7
GAP Eagle DX Antenna 15-40 M
 Asking \$75.00 Or Best Offer

N8MPC Jim (440) 774-1275 8/7

- **MT-3000H** Ant. Tuner \$300
- **Gap Eagle DX 10-40**
Vertical Make Offer
- **Ringo Ranger II 2 ARX450B**
2 Meter – Make Offer
- **Fixed Station Multi Band**
Vertical – Make Offer

K8WHK Rich (440) 365-8754 4/7

- **ICOM IC-2AT** 144mhz. handheld Mint condition boxed, w/2 batt. pks. & manuals - \$50
- **KENWOOD AT-120** Ant. Tuner excellent condition - \$60
- **KENWOOD AT-130** Ant. Tuner excellent condition - \$65
- **KENWOOD MC-50** Mic. & Stand excellent condition - \$55
- **MFJ-816** HF SWR/wattmeter like new - \$20
- **HEATH HW-8** with heath power supply, manuals & MFJ-900 antenna tuner & carrying case - \$145
- **HW-8 Handbooks** by: Michael Bryce (WB8VGE) 1991, 1994 & 2004 like new condition - \$15
- **QRP Quarterly Journals 1988 – 2003** make offer

W8KYS SANDY (440) 647-2255 8/7

- Commodore 128 Computer
- B&W Monitor
- Color Monitor
- Kantronics II Interface
- 1541 Floppy Disk Drive
- Regency HR 2B 2m FM base or mobile radio
\$50.00 Takes All

Found in December 2007
 WorldRadio Magazine → → →
 (contributed by W8KYZ Tom)

WD8IQJ John (216) 544-5761 3/7
Beam Antenna SIX Meters X 5 Ele. \$40
 New hardware! Get ready for the summer band openings!

5' 19" panel rack Pickup only! \$Free
4' 19" Panel Racks Pickup only! \$Free
 (Both Racks Have "Stuff" In Them You Can Have It

W8LZB Mike - Equipment Liquidation! 11/7
 All Good Stuff All Good Condition!
 To Make A Reasonable Offer Contact:
 W8KYZ Tom (440) 930 9115

- **DRAKE TWINS T4X – R4A** with power supply
- **HAMMERLUND HQ-170**
General receiver coverage 160 – 6 meters
- **HAMMERLUND HQ-110**
General receiver coverage 160 – 6 meters
- **ICOM 275H** 2 Meter all mode 100W
- **Johnson Viking Valiant II**
- **HEATHKIT Warrior HA-10**
Linear
- **KLM 440-16 X-Yagi** (New)
- **RF CONCEPTS 2-117** Solid sate amp. 2-15 watts in 10-170 watts out
- **ICOM BC-35** A.C. battery charger

W8TAS Ted (440) 365-8041 10/7

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

KA8VTS Darlene (216) 398-8858 8/7
LOWERY Magic Genie -
 Contempo – 80 Electronic Organ

- Double Keyboard
- Full Bass
- Leslie Reverb
- Bench Seat, Music ++

Excellent condition! Must P.U.
\$500 O.B.O

K8RWC Rich (440) 864-7441 11/7

- **YEASU FT 470**
Dual Band (2m/70cm)
With Original Box, Battery, Manual
And Original Yeasu Sticker
Speaker Microphone
12 Volt Car/Power Supply Adaptor
Ht Ant 19"Mag Mount
Battery Charger
All In Excellent Condition
\$265.00
 (Also Will Consider Trade)

WorldRadio Super-Drawing Prize: Ameritron AL811 \$899 800w PEP Amplifer – (4) 811-A's

1. No purchase necessary. One entry per household
2. Send your qsl card (as a card NOT in an envelope) to:
Amplifer, **WorldRadio** 2120 28th st., Sacramento, CA 95818
3. One QSL card will be pulled out of the box by an eye closed picker
4. WorldRadio Staffers, columnists, advertisers are not eligible.
5. Winning QSL card will be drawn and winner will be called on Christmas day. (That's something great in some lucky Ham's stocking!)
6. Odds 26,000+ Hams will see this months issue. From experience in past drawings, only about 1% will enter

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

PUZZLE 1207	
WORD LIST	
BUILD	MOUSE
COMPUTE	NETWORK
DELETE	PROCESSOR
DIGITAL	RESOLVE
ENTER	SCANNER
FIREWALL	SOUND
GIGABYTE	UNIT
GRAPHICS	USER
INTERFACE	VIDEO
KEYBOARD	VIRUS
<p>ARE THERE MORE? Want To See Your Word List Here? Send it in! I'll use it ASAP!</p>	

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 Sheffield, 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.
- N.O.A.R.S. Repeater Can be found at 146.700 (-) - 444.8 (-) in Elyria, OH. and 145.15 (-) In North Royalton OH.. (although the 5.15 is down for maintenance at this printing)
- Regularly scheduled NOARS nets are every Wednesday night at 9:00 pm on 146.700 for the rag-chew net and every Thursday night at 8:pm for the technical discussion net. All licensed amateurs are welcome. NOARS membership is not necessary
- NOARS can be found on the World Wide Web at: <http://www.noars.net>
- Noars Hosts two hamfest/computer shows annually. The winter hamfest in early February and the summer classic NOARSFEST hamfest and computer show in mid July.

.If this is your first copy of the NOARS log. Why not become a member and receive it on a monthly basis? Membership is open to anyone interested in communications. The dues schedule is: Full \$10, Associate \$5 (non licensed), Family members of a full member are only \$2 ea. make checks payable to NOARS and mail them to :

NOARS Membership Committee P.O. Box 35 Avon Lake, Oh. 44012

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

* _____ Call Sign of family member with full NOARS membership

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

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N.O.A.R.S.
P.O. Box 35.
Avon lake, Oh. 44012



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