

NOARS LOG

Volume 40, Issue 1

Welcome to *NOARS* Country

January, 2004



Club FM Repeaters

UHF: 449.800/444.800 MHz

VHF: 146.100/146.700 MHz

6 meters 51.16/51.66 + 91.5

144.550/145.150 MHz

Home of BART the DX ALERT

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

2004 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 – K8PJS

NOARS Tech Net Thursday 8:00 P.M.

146.700 – 444.800

Coming soon on 51.66 / 145.150

In this issue;

Winterfest 2004

Upcoming Hamfests and Events - VE exam locations

Space Station Contacts – Contest Corner

Tech net goodies to build

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

Messages from the front table - Autumn 2003

Upcoming hamfests and events

Jan 24/25 ARRL VHF Contest – grid square chasing

February 1st NOARS Winterfest – Gargus Catering Hall – noars web site

February 8th MASER – Richland Fairgrounds – Jack K8RT 419-765-5301

Feb 15th Livonia ARC – Farmington Hills Mich. - Bill W8WSJ – 248-486-6443

March 13th Mammoth Cave ARC – Cave City, KY – Larry KN4IV – 270-651-2363

March 21st Toledo – Maumee, OH – Brian WD8MXR – 419-385-5624

March 28th Lake County– Madison High School – Robert K8BL – 440-951-0283

Roll Call will return after the January meeting – Happy New year to everyone.

Venus is the only planet that rotates clockwise.

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, 216-642-8705

WHO has NOARS stuff?

Here is a plea to all of us who know where any NOARS property may be located, this inventory will be crucial to determine how much storage space will be needed to store our USS Cod station extras, emergency public service, field day, hamfest and picnic supplies.

So if you have coaxial cables, rotor boxes, notebooks, antennas, photo albums, rotating ticket drums, tower sections, signs, mast pieces, posters, items that belong inside the field day box, tableware, old food, empty pop bottles, empty beer kegs, tubes and transistors, burnt out equipment that we should have anyway – send a note to let us know how large and heavy these items are so we can get enough space!

There was no December business meeting – you missed a fun time at the NOARS Banquet if you were absent – many great prizes were won and lots of giggling was shared by all present.

NOARS is 40 years old as of 2003, be a part of this group and keep it going another 40 years.

Some helpful items discussed on the tech net recently;

A coaxial filter to block unwanted frequency – using a tee fitting and a straight length of coax cut to the offending frequency's 1/4 wave using the electrical formula of the frequency times the velocity factor. Notes about velocity factor from N8PZD; hard plastic dielectric is usually 66 percent, foam is usually 78 percent, air styles usually around 84 percent – check the figures on your coax then connect to the tee and short the free end with a soldering iron when you have finished with the pin.

An example of this would be to block 525 MHz from your radio;

- 1.) The 1/4 wave is found using $234/525 = 5.35$ inches
- 2a.) The velocity factor $5.35 \times 0.66 = 3.53$ inches plastic
- 2b.) The velocity factor $5.35 \times 0.78 = 4.17$ inches foam
- 3.) cut a length about 5 inches, add connector (F is most common catv cable), insert a tee fitting near the back of the set and form a straight stub and pin the end shorted, move the pin to achieve the best blocking performance of the offending frequency.
- 4.) this stub must be kept straight at all times to be effective so using wire tie straps to a dowel rod would be a good idea or substitute something from your junk box.
- 4b.) You may need to construct more than one if you are in close proximity to the source of the offending frequency, tune them one at a time independently to prevent any interaction from occurring.
- 5.) Don't tell your spouse you have a junk box as this is the wrong verbiage to describe this gizmo to a non ham radio acquaintances even though it only took you 30 minutes to build the second one it is still a sophisticated filter.

Have you seen or made a 1/4 wave antenna and find yourself straightening out the bent coat hanger radial wires often, trying to explain this thing to a non-ham friend? Listen in here and build a better project. The soup can antenna; this was discovered by accident in N8PZD's shack and then found to be old news as it was made in the 60's and left alone for awhile. Save 8 soup cans from the kitchen, brand or contents are not critical, you will enjoy the soup after shoveling out someone or yourself this winter season. Rinse out the cans and head to the test bench, stack 4 cans together vertically and examine the length, about 19 inches? Great, now solder the cans end to end in 2 places opposite each other – next remove both ends from the next 4 and repeat the soldering on the outside edge in 2 places. Now you will connect the stacks and create the feed point, using a 2 inch PVC drain pipe cut-off 6 or 8 inches long insert into the open end of the first stack and fasten with a sheet metal screw near the end of the plastic pipe, get a length of coax (8 or 10 feet of rg-58 will work fine for this) and strip away one end so that you have about 1 1/2 inches center conductor exposed and the same length of braided material – wrap the center conductor wire around a screwdriver shaft to form an eyelet where the next screw will go into the plastic pipe close to the open end of the can stack. You now have one half completed, using the screwdriver shaft twist and roll the braided end to form another eyelet, soldering these eyelets is helpful but not necessary, push the coaxial cable into and through the open can stack and slip the second stack over the pipe to within a half inch of the first while keeping the braided wire on the outside, fasten the braided eyelet and add another screw 3 or 4 inches away to keep the pipe from wiggling. Connect the correct fitting to use on your 2 meter or 440 radio and you are ready to go, what you will discover is with the wider element size you will hear signals further as the capture area has been enlarged over the wire size and you should not have to straighten out those slightly bent wires again. Hang this from your ceiling and join in conversations you didn't know were taking place, hang it in the attic and extend the feedline to your favorite radioactive room and enjoy. This antenna exhibits no gain over a dipole as it is a dipole, however if you wish to impress your friends tell them you have built a 3dbi antenna – you can refer to any radio handbook for more info on the isotropic radiator versus the actual dipole.

I'm going to: **NOARS WINTERFEST®!**

February,1 2004 At Gargus Hall

Lorain, Ohio

8 AM – NOON

hourly door prizes

MAIN PRIZE @ NOON

Admission Still only \$5 (including our famous pancake breakfast – Served till 10 AM)

Gargus Hall is at 1965 North Ridge Rd. (North side of the street) 1.2 miles west of Rt.57
(North Ridge is the extension of Rt.254 West of Rt 57) Just North of turnpike (Exit 8) (Rt 57)

Just North of I-90 (Exit 145) (Rt 57) Motels & Dining in the area

Use the handy registration form to reserve your space at this friendly hamfest

This is an ARRL approved hamfest – Please register me!

Name _____

Address _____

City _____ St _____

Call me! (____) _____ - _____ Zip _____

I need: _____ Tables @ \$10 ea. \$ _____ Total

_____ Tickets @ \$5 ea. \$ _____ Total

I'm sending \$ _____ Total

Vendor set up at **6 AM**. For special needs or more info: Contact: Clark Beckman *N8PZD* call: (216) 671-8795

Email: electro7 at apk dot net Table space is LIMITED at this popular event so early reservations are highly recommended!

ALL orders are taken on a first-come first-serve basis! We will contact you with confirmation of all orders received before 12/26/2003 thereafter phone orders only will be accepted. Arriving with out registration in advance is not recommended.

Please send forms to;
NOARS Winterfest
P.O. Box 432
Elyria, Ohio 44036-0432

Visit the hamfest page on the internet at ; <http://www.apk.net/noars/winterfe.htm>

ARRL 2004 VHF Sweepstakes dates correction:

The January 2004 QST "Contest Corral" reports incorrect dates for the 2004 ARRL January VHF Sweepstakes Contest. The event starts January 24 at 1900 UTC and concludes at 0400 UTC January 26. Full (and correct) information on the 2004 ARRL VHF Sweepstakes is available on the ARRL Web <<http://www.arrrl.org/contests/rules/2004/jan-vhf-ss.html>> (also click on the "General Rules" and "VHF Rules" links) and in December 2003 QST, page 97. ARRL regrets any inconvenience the error may have caused.

If you have been attempting a visual contact with the International Space Station here are projected pass times near Cleveland, Ohio

Mon Jan 19/06:51 PM 2 22 10 above S 22 above SSE

Tue Jan 20/07:25 PM < 1 41 41 above WSW 41 above WSW

Wed Jan 21/06:21 PM 4 35 16 above SSW 18 above E

Thr Jan 22/06:55 PM 1 57 45 above W 41 above NNE

Fri Jan 23/07:27 PM < 1 21 19 above NW 21 above NW

OHIO YOUNGSTERS ENJOY FIRST ARISS SCHOOL GROUP CONTACT OF 2004

While students sometimes consider geography a boring subject on Earth, International Space Station Expedition 8 commander Mike Foale, KB5UAC, told some Ohio youngsters January 2 that it's anything but dull from his perspective in space. Foale spoke via Amateur Radio with a group of fourth through ninth graders at Gilmour Academy <<http://www.gilmour.org/>> in Gates Mills. Arranged via the Amateur Radio on the International Space Station (ARISS) program, the contact between Gilmour Academy club station ND8GA and NA1SS on the ISS marked the first school group QSO of the new year.

"If I look at the Earth, I find the geography incredibly interesting," Foale enthused, "looking at how the cities are laid out, seeing the roads and the houses, or often, if it's desert--there's an awful lot of desert on the earth--peeking at the different rocks." Foale said he's especially fascinated with the people living below, and he always keeps a computer-based encyclopedia handy when he's viewing Earth from space.

In responding to the dozen questions put to him by the youngsters, Foale also spoke about a cancer-related research project aboard the ISS. "Cancer cells can be developed in space in a very different way from the way they are on Earth," Foale said. "That allows researchers to develop new techniques for treating cancer cells on Earth. It's a long project, and it will go on for many years."

Foale said he and crewmate Sasha Kaleri, U8MIR, eat well in space, but he also admitted that the ISS crew doesn't always go along with the program when it comes to what they consume. "We don't, of course, eat all the things they tell us to eat," he said. "I just love chocolate, so I've eaten all the chocolate that's aboard already."

The Expedition 8 crew is not scheduled to return to Earth until April. Foale concluded the contact by wishing all at the school a happy new year.

Gilmour Academy Amateur Radio Club President Caroline Greco, KC8WNY, handled control operator duty at the ND8GA Earth station.

"Even though our contact wasn't perfect, it was about 75 percent solid, enough to provide some nice memories for the kids and parents," said faculty club moderator and back-up control op Ken Kane, KG8DN. "We were delighted with the results, and learned a lot from the effort." In space, Foale used the Phase 1 NA1SS equipment--a 5 W Ericsson handheld with an external antenna--for the Gilmour Academy contact. Although it's installed and has been checked out and used to make some casual QSOs, the higher-power ARISS Phase 2 ham gear has not yet been cleared for use during ARISS school group contacts.

ARISS <<http://www.rac.ca/ariss/>> is a joint educational outreach program with participation from ARRL, AMSAT and NASA.

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

OC-203 – Chris, ZL1CT (GM3WOJ), will be active as ZL1CT/4 from Stewart Island from January 11-15th. Activity will be on CW/SSB on 40-20 meters only. He will use 400w into vertical antennas. For more info, please visit his Web page at: <http://www.qsl.net/gm3woj/> - Chris states, "Please work ZL1CT/4 as well as the 3Y0 DXpedition!"

AT0, INDIA – Did you work AT0D this past weekend? This was Ram, VU3DJQ. He informed OPDX that he has permission to operate as AT0D (or possible AT0DJQ) during contests. Look out for him between now and the end of March. Operations will be on 20 meters only. QSLs go to EA7FTR.

C5, THE GAMBIA – Jan, PA9JJ, will be active as C56JJ from March 29th until April 5th from a QTH in Kololi (Senegambia Beach Hotel). Jan states he will try to put up an antenna for 160 meters but is not sure if he can work 160 due to the very high QRN and QRM levels. Jan tells OPDX that he will also be using RTTY and/or PSK31 and focus on the Warc bands if 80 and 160 meters are no good. There will be no activity on 6 meters for he has no antenna for this band. This will be a one man DXpedition and he will use a FT-100 and a G5RV. QSL via the address on QRZ.com. Jan states, "NO E-QSL request for I do not use e-qsl."

C6, BAHAMAS (IOTA and Lighthouse Op) - Wade, AA8LL, informs OPDX that he and Liz, K8LIZ, will be active again as AA8LL/C6A and K8LIZ/C6A and will operate from Pittstown Point on Crooked Island (IOTA **NA-113**), January 16-19th. This operation also counts for Bird Rock Lighthouse, ARLHS BAH-005. On January 17-18th, they will operate as C6ALB from the Bird Rock Lighthouse proper. This counts for WLA LH-0118 in addition to ARLHS BAH-005 and **NA-113**. Activity will be mostly SSB from 40-10 meters (They love the WARC bands!) but other bands/modes are possible. QSL to AA8LL or K8LIZ direct or bureau.

CE9, SOUTH SHETLAND ISLANDS – Ricardo, CE3HDI, is expected to be on the air as CE9R from King George Island (IOTA **AN-010** and DICE ICE-901) "Presidente Eduardo Frei Montalva Base" (WABA CE-03) from now until February 24th. Activity will be on all bands CW/SSB. QSL via CE3HDI.

CASTLE ACTIVITY – The Association of Radioamadores de Coimbra will activate Castle Lousa as CS6ARC/p on January 18th. QSL via the CBA. The reference number for the Diploma of the Castles and Forts of Portugal is: DCFP C-065

The DX Magazine has announced the results of its annual "Most Wanted Survey" which was taken between late September and ended during mid-October of 2003. Here are the top 10 Most Wanted:

1) Scarborough Reef (BS7) ; 2) Andaman & Nicobar Islands (VU4) ; 3) North Korea (P5); 4) Lakshadweep Islands (VU7) ; 5) Peter I Island (3Y) ; 6) Yemen (7O) ; 7) Juan de Nova & Europa (FR/J & FR/E) ; 8) Navassa Island (KP1); 9) Desecheo Island (KP5) ; 10) Aves Island (YV0) - This survey was taken by Carl Smith, Editor of QRZ DX and The DX Magazine. For more information on these publications, please visit the Web page at: <http://www.dxpub.com>

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

070 Club PSKFest 0000Z - 2400Z, Jan 17

LZ Open Contest, CW 1200Z - 2000Z, Jan 17

MI QRP January CW Contest 1200Z, Jan 17 - 2359Z, Jan 18

Hungarian DX Contest 1200Z, Jan 17 - 1200Z, Jan 18

North American QSO Party, SSB 1800Z, Jan 17 - 0600Z, Jan 18

CQ 160-Meter Contest, CW 0000Z, Jan 24 - 2359Z, Jan 25

REF Contest, CW 0600Z, Jan 24 - 1800Z, Jan 25

BARTG RTTY Sprint 1200Z, Jan 24 - 1200Z, Jan 25

ARRL January VHF Sweepstakes 1900Z, Jan 24 - 0400Z, Jan 26

UBA DX Contest, SSB 1300Z, Jan 31 - 1300Z, Feb 1

(Continued on page 7)

Swap n Shop

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; Jim Henderson 440-774-1275

BK Model 2160 60 MHz Oscilloscope includes Dual Trace and time base, 2 new probes, manuals and schematics – asking \$350.00

Brand new Bird model 43 wattmeter and 2-30 MHz 250 watt slug, never used – asking \$300.00

For Sale: Jack Hubbard NI8N 419-499-1308

Mosley TA-33, rebuilt last year, \$ 150, located in Milan, on ground, elements are assembled.

70' Rohn 25t foldover tower, stacked on ground ready for pickup. Location Dayton

6 element 10 mtr yagi assembled on ground, location Dayton. – Jack, ni8n@accnorwalk.com.

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; Pat Willemin KB8AK PH 440-324-4575

40 meter beam by Cushcraft 402-CD Down \$250.00

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

(Continued from page 6)

North American Sprint, CW 0000Z - 0400Z, Feb 1

Vermont QSO Party 0000Z, Feb 7 - 2400Z, Feb 8

New Hampshire QSO Party 0000Z, Feb 7 - 2400Z, Feb 8

10-10 Inter. Winter Contest, SSB 0001Z, Feb 7 - 2400Z, Feb 8

Minnesota QSO Party 1400Z - 2359Z, Feb 7

Delaware QSO Party 1700Z, Feb 7 - 0500Z, Feb 8 and 1300Z, Feb 8 - 0100Z, Feb 9

Mexico RTTY International Contest 1800Z, Feb 7 - 2400Z, Feb 8

North American Sprint, Phone 0000Z - 0400Z, Feb 8

FYBO Winter QRP Field Day 1600Z - 2400Z, Feb 8

ARRL School Club Roundup 1300Z, Feb 9 - 0100Z, Feb 14

CQ/RJ WW RTTY WPX Contest 0000Z, Feb 14 - 2400Z, Feb 15

SARL Field Day Contest 1000Z, Feb 14 - 1000Z, Feb 15

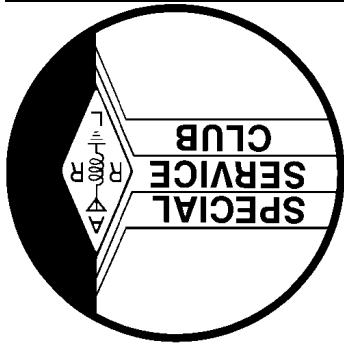
Asia-Pacific Sprint, CW 1100Z - 1300Z, Feb 14

Dutch PACC Contest 1200Z, Feb 14 - 1200Z, Feb 15

YL-OM Contest, CW 1400Z, Feb 14 - 0200Z, Feb 16

FISTS Winter Sprint 1700Z - 2100Z, Feb 14 0Z - 2400Z

So let us know how you are doing at these contests, NOARS would like to get some entries in these contests. You do not all have to operate from the same location for a club entry, you can sit in your flannel jammies at home and nobody will care, just keep track of the contacts and score – the logging program is on NOARS field day page of the web site as shareware.



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