

NOARS LOG

Volume 37, Issue 3

Welcome to *NOARS* Country

April, 2001



Club FM Repeaters

UHF: 449.800/444.800 MHz

VHF: 146.100/146.700 MHz

52.130/53.130 MHz

144.550/145.150 MHz

Home of BART the DX ALERT

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

2001 EXECUTIVE OFFICERS

President: Clark Beckman, N8PZD

Vice President: John Schaaf, K8JWS

Secretary: Doug Krucinski, WD8BJY

Treasurer: Tom Porter, W8KYZ

License Trustee: Mike Willemin, W8EU

NOARS STANDING COMMITTEES:

A.R.R.L. / VE: Ola Sloane WD8MOU

A.R.R.L. / VE: Mike Willemin W8EU

DX Member: Tedd Mirgliotta KB8NW

Banquet: Gary Gargus N8DIU

Property Manager: Ned Jones WD8CSP

U.S.S. Cod: Bob Goff KA8YDS, Don Winner
WD8DRZ, Fred Collins W8ADW

K8KRG / W8COD

ON-THE-AIR NETS

WD8IQJ - K8JWS

NOARS Net Wednesday 9:00 P.M.

NOARS Tech Net Thursday 8:00 P.M.

K8WRS - KB8WOW

146.700 - 444.800 - 53.130

In this issue

PSK 31 demo coming for April meeting

Ham operator wins Oscar Award

International Space Station contacts begin

Messages from the front table - Spring 2001

Up-coming events....

April 13/23 Lighthouse Radio event, USS Cod opens 16th

April 21st - Murray, KY Hamfest contact KE4JFS

April 21st - Coalton, OH Hamfest contact KD8XL

April 29th - Canfield, OH Hamfest contact N8LNE

May 4th - Lorain County Special Olympics - Ely Stadium

May 18-20th - Dayton Hamvention - the hamfest of all hamfests

June 23/24th - ARRL Field Day, join a NOARS team for the fun of it

June 28 - July 1 - A Met Odyssey 2001 Rockside Holiday Inn

July 15th NOARSFEST 2001- over 20 years at same location

July 21/22 Museum ship event, catch the thrill in the USS Cod radio room

Something to think about;

If you don't learn from your mistakes, there's no sense in making them.

A truly happy person is one who can smile from year to year.

If one door closes, just know there are bigger and better doors trying to open.

Every great achievement was once thought impossible.

Don't forget to renew your ARRL membership through NOARS. If you send your ARRL/QST renewal through the club, we will renew for you and the ARRL recognizes us as a Special Service Club. Just send it to us a little early and we will make sure it gets to them on time. Make your check payable to NOARS, with a note about ARRL dues.. Thanks from NOARS

Make your comments heard, bring them to a meeting, the whole club will benefit. As discussed the ARRL dues are increasing as of July 2001, renew now and take advantage of today's costs for up to 5 years at \$146.

Thanks for helping out our fellow members and radio amateurs,
Clark Beckman NOARS President 2001

Greetings fellow radio amateurs,

Shortly after the National ARRL Board of Directors announced the July 1 dues increase, I said I renewed for 3 years at the established rate. Well by the time I renewed, our friends at Newington had set out a new renewal rate of 5 years at \$146, that is the method I chose being less than \$30.00 per year.

Joe Phillips, K8QOE

February and March 19th Roll Call

Tom - W8KYZ F/M

Doug - WD8BJY F/M

John - K8JWS F/M

Clark - N8PZD F/M

Rich - AB8EI F

Harold - WD8OFG F/M

Ted - W8TAS F/M

Rosemary - KD8SC F/M

Robert - N8HDE F/M

DeeDee - KA8VTS F/M

John WD8IQJ F/M

Sallie - AB8GI F/M

Will - W8WWJ F

Glen - KC8OGK F/M

Jim - N8MPC F/M

Fred - W8ADW F/M

Dan - N8OSM F

Ken - KC8BQO M

Joni - KC8BXH M

GUEST LIST

Sylvia - SWL

Jim - K18IL

Carol - K18IM

Jeff - N3OYQ

Minutes of the meetings February and March 19th, 2001

As promised in last newsletter here are the Feb and March minutes together -

Feb. meeting called to order 19:36 local time. Roll call taken 17 members and 4 guests present. Previous meeting minutes published in NOARS Log, motion to accept by AB8EI, 2nd by W8ADW. Treasurers report read by W8KYZ, motion to accept by W8ADW, 2nd by N8MPC. Newsletter report by N8PZD, all seems to be going well - Swap-n-Shop seems to be successful, don't forget to listen to 147.015 machine Tuesday Nights at 7:30 local time. DX - Tedd was absent. Repeater nets - 444.80 not transmitting, receive seems fine, 6 meter not receiving well due to antenna location, transmit seems fine. Field Day - WD8IQJ reports there will be a captains meeting after next regular club meeting, N8PZD will investigate the 110VAC power problem as weather permits. Banquet - Dec 1st, 2001, KD8SC is not able to continue as the chairperson but will offer support to whoever can take over. NOARS, the area hams and other guests who have participated extend thanks to Rosemary for all her efforts over the years to make this event so much fun. Contesting - nothing reported. Hamfests - Winterfest turned out a success with a sellout of tables, the weather was nice and there was a fabulous turnout of 719 at the gate, 101 mobile check-ins. Time to stage the NOARSFEST 2001. USS Cod - 2001 Submarine calendars are available for \$5.00 donation, several orders were taken, they sold out at Winterfest. Sunshine - no illnesses reported. Repeater Maintenance - another transmitter strip was picked up tonight and will be installed to restore 444.80 machine, duplex cavities need additional work for 53.13 receiver. A 6 Mtr folded dipole antenna donation was made by N3OYQ Jeff Brown, N8PZD helped him with antenna replacement on the Woodchuck 440 repeater. Old Business - none. New Business - NOARS renewal dues still being accepted, ARRL dues are going to be increased in July 2001 to \$39.00, there are ways to renew now at the existing costs. Mr. Hollingsworth from the FCC enforcement bureau will be in Youngstown, Ohio March 8th to speak to the Mahoning Valley ARA, guests are welcome. Upcoming events - Skywarn training at next NOARS meeting March 19th starting time is 7:00 PM sharp, this is a very informative program. Motion to adjourn by N8OSM, 2nd by AB8EI. 50/50 won by Sylvia Drake, N8PZC and WD8OFG won keychains. Program on computer logging by Clark N8PZD began, LOG-eqf and DX4Win shown using a laptop computer.

March 19th - Gary Garnet from National Weather Service conducted the Lorain County Skywarn Training seminar at the March 19th meeting (editors note; after seeing these for about 16 years I always learn something new). Congratulations to Tom Kelley KB8FGW who spotted the debris cloud in the photo confirming the picture was in fact a tornado, Tom heads up Lorain County Emergency Management. A meeting was called to order at 20:50 local time, roll call was taken. Minutes were not complete in March NOARS Log, however a spelling correction was noted. Treasurers report was read by W8KYZ, and accepted. Newsletter - new articles are accepted via regular or electronic mail. DX report - Tedd was not able to stay through the training seminar. Repeater nets - 444.80 is back, all is well. Field Day - short meeting tonight stick around (speed it up Mr. President!), a new volleyball net was purchased - team participation welcomed. Hamfest - contract has been signed with the Lorain County Fair Board, help will be needed Friday - come out and have dinner on NOARS. Sunshine - nothing reported. Repeater Maintenance - 444.80 power supply repaired, while adding linking audio a relay shorted out the supply for 53.13 - parts just received (the 53.13 machine is operating when you read this). Old Business - none. New Business - renewal dues are being accepted, this will be the last newsletter sent if you haven't renewed, Lorain County Special Olympics - see note from Ken Roberts. Motion to adjourn and begin Field Day meeting for band captains. No 50/50 raffle tonight, April Program to be on-the-air PSK31 mode operations and requirements.

What can I do to help out the community with ham radio? It is time for the Lorain County Special Olympics Friday May 4th – rain date May 8th at Ely Stadium in Elyria.

This is an amateur project, not a specific club project. If you can help, or know someone who can, please contact Ken (KC8BQO) ahead of time. We will need to be at Ely Stadium by 8:30am and be able to volunteer until about 2:30pm. We do the communications between the events on the fields and the announcement booth. Last year we had about 485 kids in this event and it is very worthwhile. Just bring a 2m HT, we will supply hats. If you have a hat from last year, please bring it as we have a limited supply. I can be contacted at (440) 322-6857. We have to be pre registered, so please let me know early. Thanks, Ken Roberts KC8BQO

PSK 31 is one of the newest digital modes introduced in Amateur Radio

What equipment is used?

Can I use my old tube transmit radio?

Can this equipment be used for another mode?

Will I have to get an amplifier to reach DX stations?

To see this mode in action, visit the April NOARS meeting at Gargus Catering Hall April 16th, there are several PC computer programs used to operate this mode – we will be seeing the Microsoft Windows 95/98 version called Digi-Pan and JV-fax if time allows.

FCC PROPOSES LOWER AMATEUR RADIO VANITY FEE

The FCC is proposing to lower the fee to obtain or renew an Amateur Radio vanity call sign from \$14 to \$12. The new fee, if approved, likely would go into effect sometime in September.

The proposed lower fee was contained in an FCC Notice of Proposed Rulemaking for the Assessment and Collection of Regulatory Fees for FY 2001 (MD Docket No. 01-76), released March 29. The FCC said it estimates 8000 applicants will apply for vanity call signs in the current fiscal year.

Applicants for Amateur Radio vanity call signs will continue to pay the \$14 fee for the 10-year license term until the FY 2001 fee schedule becomes effective. The effective date for the new FCC fee schedule will be announced later this year in a Report and Order or by a Public Notice published in the Federal Register.

Comments in the fee proceeding are due by April 27; reply comments must be received by May 7, 2001. Comments filed through the FCC's Electronic Comment Filing System can be sent via the FCC Web site, <http://www.fcc.gov/e-file/ecfs.html>. Generally, only one copy of an electronic submission must be filed.

Buckeye Mets Association will co-host event Met Odyssey 2001 June 28th through July 1st at Rockside Holiday Inn. Part of the activity includes \$8.00 bus trips between the hotel area to the Rock Hall / USS Cod from 9-4 on June 29th. The national organization called Metropolitan Owners Club Of North America will sponsor the concours showing Saturday from 9 - 11 AM. There are other activities including a tour with Neil Zurcher who writes the column in Ohio Motorist Magazine. If you have questions, please feel free to call either; Rick Seich at 216-261-2631 or Rose Kerekes at 216-521-3918. At this event you can see many of the cars made from 1954 to about 1962 and meet the families that keep them running today. This car uses an all welded unitized construction, 12 volt electrical systems, a 42 hp Austin motor, and a 3 speed stick shift.

Ham wins honorary Oscar:

Screenwriter-producer-director Ernest Lehman, K6DXK, has received an honorary Oscar "in appreciation of a body of varied and enduring work" from the Academy of Motion Picture Arts and Sciences. The award was made during the 73rd Oscar awards ceremony March 25 in Los Angeles. "Ernest Lehman has written and produced some of the most memorable films ever made," Academy President Robert Rehme said in announcing the award. "He is not only a prolific screenwriter, but an accomplished novelist, journalist and motion picture producer, whose films rank as genuine classics." Lehman has been nominated six times for Academy Awards, four times in the category of Best Screenplay (*Sabrina*, *North by Northwest*, *West Side Story* and *Who's Afraid of Virginia Woolf?*) and twice in the category of Best Picture (*Who's Afraid of Virginia Woolf?* and *Hello, Dolly!*). Honorary awards, in the form of Oscar statuettes are given for "exceptional distinction in the making of motion pictures or for outstanding service to the Academy."--AMPAS

ARISS DECLARES ISS SPECIAL EVENT DAY APRIL 12

Casual Amateur Radio contacts with the hams aboard the International Space Station have been few and far between. That could change next month when a special event day for ham radio has been declared.

"The Amateur Radio on the International Space Station, or ARISS, team has received permission from the ISS controllers to declare April 12 Cosmonautics Day--a special event day for ham radio on the International Space Station," ARISS spokesperson Will Marchant, KC6ROL, announced today.

The ARISS international team is asking the ISS Expedition 2 crew--on a voluntary basis--to run general QSOs over Earth's major land masses to help celebrate Cosmonautics Day, Marchant said. Given the interest expressed by earth-bound hams in making a contact with the ISS, the ARISS team also is hoping the crew will be enthusiastic about the idea.

Cosmonautics Day will mark the 40th anniversary of the first human space flight by USSR cosmonaut Yuri Gagarin, the 30th anniversary of Salyut 1--the first space station, and the 20th anniversary of the initial launch of the first reusable space vehicle--the space shuttle.

Marchant said the crew will be involved with stowage activities on April 12, "so they should have a fair amount of flexibility in adjusting their schedule." Two hams now are aboard the International Space Station--Expedition 2 Crew Commander Yury Usachev, UA9AD, and US astronaut Susan Helms, KC7NHZ. Helms already has made a few casual contacts and this week participated in a scheduled ARISS contact with a California elementary school using the station's NA1SS call sign. It's not known if Usachev has been active on the air while over Russia.

The following frequencies have been announced for ARISS general QSOs:

Voice and packet downlink: 145.80 (worldwide);
voice uplink: 144.49 for Regions 2 and 3 (the Americas, and the Pacific);
voice uplink: 145.20 for Region 1 (Europe, Central Asia and Africa);
packet uplink: 145.99 (worldwide).

The ISS Amateur Radio packet system still is not operational, but Marchant said ARISS has been working with the crew and hopes it will be up and running by then.

Marchant said that specific operating times and modes for Cosmonautics Day, as well as additional details, will be announced on the ARISS Web page, <http://ariss.gsfc.nasa.gov/>.

Taken from ARRL news

It is time for the Special Olympics again. The date this year is Friday May 4, with a rain date Tuesday May 8. This is an amateur project, not a specific club project. If you can help, or know someone who can, please contact Ken (KC8BQO) ahead of time. We will need to be at Ely Stadium in Elyria by 8:30am and be able to volunteer until about 2:30pm.

We do the communications between the events and the announcement booth. Last year we had about 485 kids in this event and it is very worthwhile. Just bring a 2m HT and we will supply the hats. If you have a hat from last year, please bring it as we have a limited supply. I can be contacted at (440) 322-6857. We have to be pre registered, so please let me know early.

Thanks,
Ken

A note to those interested in Ten-Tec equipment, the April meeting is the cut-off time for ordering, being a NOARS member allows you to purchase Ten-Tec equipment twice a year with our Winterfest or NOARS-FEST order. The items we have sold to NOARS members were available with a %25 discount, American made passed along to you NOARS members at the right price.

Become a member and watch for the 50 / 144 MHz mobile coming out soon.

10 Meter Double Extended Zepp antenna plans, this antenna can be built in one evening and used for many years.
Dimensions shown are for 28.435 MHz

Q. What is this antenna performance?

A. 2 Collinear elements fed in phase achieving 3Db over dipole signal strength.

Q. What do I need to build this?

A. 5 feet of 450 Ohm open style ladder line, 50 feet of 14 gauge wire, a 1:1 coax to open feed balun, 1 center insulator and 2 end insulators.

Q. Where can I use this antenna?

A. This antenna works best when stretched out straight but will still perform well if ends are at least 90 degrees apart when viewed from the feedpoint.

Calculations for 28.435 MHz are as follows;

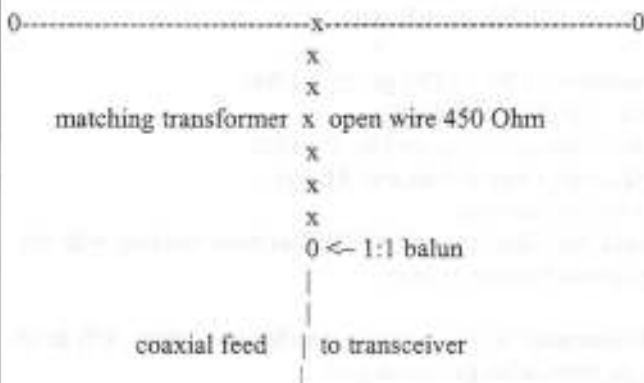
$$984/28.435=34.605$$

$$34.605 \times 0.64=22.147$$

Each radiating element is 22.147 feet long.

$$34.605 \times 0.95 \times 0.145=4.766 \text{ feet matching transformer}$$

Here is a simple pictorial view of the antenna.



Taken from 1990 ARRL antenna handbook.

Swap - n - Shop

For Sale: Vic Woconish N8TN - (440) 365-6672 - woconish@juno.com

Tri-Band 10, 15, 20 meter driven element - good condition & \$80.00

15 meter driven element with omega and gamma match - good condition \$50.00

For Sale: Tedd KB8NW, 72 ft crank and tilt tower located in Independence, he loads - you transport. Asking \$1200.00 (440)237-8208

For Sale: Ted W8TAS (formerly WD8CRJ) (440) 365-8041 also on 146.700 repeater. KLM KT-34XA Tri-Band beam, 6 elements 10/15/20 Mtr New \$985.00, AES \$659.00 - Outperforms all other Tri-Banders, Ted's price \$300.00! On-the-ground - Let's talk!

For Sale: Jim Henderson N8MPC, (440) 774-1275 Kenwood TS-120 80-10 Mtr, with matching MC-50 desk microphone, asking 300.00

For Sale: Richard Parfitt K8WHK 440-365-8754 Heathkit HW-101 SSB XCVR with Power Supply, Speaker, SWR-PWR meters, Includes replacement tubes, All Manuals - All Heathkit. Excellent Condition - \$350.00

For Sale: Clark N8PZD (216)671-8795 - Compaq SLT286 Laptop unit with docking station and regular 13" VGA blk/wht Compaq monitor MS-DOS 6.22, mapping software, Log EQF 8.2, Pro-Comm Plus, Packet 6.1, great at field day and portable operations. \$100.00 US - Best Offer

Wanted: George N8EKK 440-323-9423 ICOM IC-28H 2 meter mobile transceiver

For Sale: Clark N8PZD (216)671-8795 - Kenwood TH315 222 MHz HT, 5/8 mag-mount, extra battery, manual and original box Asking \$200.00 US - Best Offer before Dayton 2001

For Sale: Stanley Ronsky 330-467-7667 220 MHz SEA 5 channel system with combiners - Model ESP1000 220-222MHz ASCB repeaters Zetron 49 trunk manager Asking 30,000 - Will consider all offers 16 Quintron QT-7080 125-350 30-50 MHz in 72" locking cabinets, Polyphaser Rated continuous duty original cost \$18,000 each - 6 units have never been activated - asking \$5000 each

Telewave Triple cavity rack mount Model TWPG8604-3 959.8625 \$150.00

Teleabs switched gain repeater panel - 10 line Model 7201 with 8020 power supply for 10 line control amps - New cost \$12,000 ..\$2000

For Sale: Bill Easterday KB8FU, 440-365-4001 www.loraincounty.com/KB8FU

Yaesu FT-747GX 100 watt HF transceiver with optional FM module 160-10 meter transmit, general coverage receive. Very good condition, recently serviced by AES. Includes antenna tuner, operation and service manuals..- \$650.

Dentron AT-1K antenna tuner with integral SWR meter and antenna switch.

DC Gain & Leakage Tester - \$30.
Heathkit IT-121 for FETs and Bipolar Transistors.

5 MHz Triggered Sweep Oscilloscope - \$50.
This is a Heathkit private labeled for Bell & Howell Schools. Includes assembly, trouble shooting and operation manuals.

Home-brew 30 MHz Frequency Counter - \$25.

First Alert WX27. New, unopened package. Includes NiCd battery and AC adapter. \$20.



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

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



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 **146.700/444.800/53.130** repeaters in Elyria, Ohio, both located atop the EST Bank Building. The **NOARS TECHNICAL NET** is held each Thursday at 8:00 P.M. on **146.700/444.800/53.130**. **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 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 Indicate NEW RENEWAL CHANGES * PHONE () _____
 Name _____ CALLSIGN _____ CLASS _____ ARRL _____
 Address _____ City _____ ST _____ ZIP _____
 E-mail address _____