

NOARS LOG

Volume 35, Issue 2

Welcome to *NOARS* Country

March 1999

Club FM Repeaters

UHF: 449.800/444.800Mhz

VHF: 146.100/146.700Mhz

144.550/145.150Mhz

Home of **BART** the DX ALERT

Barf-80 BBS sponsored by NOARS

(440)237-8208



1999 EXECUTIVE OFFICERS

President: John Schaaf, KC8AOX

Vice President: Rosemary Shook, KD8SC

Secretary: Clark Beckman, N8PZD

Treasurer: Tom Porter, W8KYZ

License Trustee: Dave Willemin, N8DW

NOARS STANDING COMMITTEES:

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

A.R.R.L. / VE: Dave Willemin N8DW

DXAC Member: Tedd Mirgliotta

Banquet: Gary Gargus N8DIU

Property Manager: Ned Jones WD8CSP

U.S.S. Cod: Bob Goff KA8YDS
Fred Collins W8ADW

K8KRG ON-THE-AIR NETS

WD8IQJ – KC8AOX
NOARS Net Wednesday 9:00 P.M.

NOARS Tech Net Thursday 7:00 P.M.
W8KYS
146.700 – 444.800

March meeting program, LED uses by W8PEV

IN THIS ISSUE :
Winterfest message
NOARS Roster Pt. 1 (resubmission)
Upcoming activities
Sad note of JY1
Rosemary's recipe
NOARS Members Swap n Shop

Messages from the front table - Spring 1999

Coming Soon

April – statewide emergency exercise

Submarine Radio Re-activation, Emergency WX Drill, Walk America 25th

May – *Lorain County Special Olympics*

June – *ARRL Field Day*

Please – your help is needed

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 lets the club keep a little. Just send it in a little early and we will make sure it gets to them on time. Make your check payable to NOARS.

Thanks from your new 1999 President.

See you all at the next meeting!

John W. Schaaf, KC8AOX.

NOARS Log editor,
N8PZD
3407 W 135 St
Cleveland, Ohio 44111
electro7@apk.net

I wish to thank the following people for their help in the smooth running of the 1999 NOARS WINTERFEST. The following people were present for either setup or teardown. Gary N8DIU, Jim N8MPC, Clark N8PZD, Ken KC8BQO, Rosemary KD8SC, Ted WD8CRJ, John KC8AOX and XYL Theresa, Tom W8KYZ and myself Mike W8EU. If I forgot anyone, please accept my apologies. As it was a very LONG DAY !

The weather cooperated with us and we had a very nice turn out early in the morning. The hamfest committee talked with some of the vendors present and were glad to hear they were doing so well. The hamfest committee finished setup abt 6 AM Sunday morning, we had a head start the night before as Gary was able to give us access to half the hall. We had a few cancellations but by 8 o'clock those tables were spoken for and there were 40 tables sold. Gary and I hand counted the tickets that were placed in the drums and we had 170 tickets sold. We arranged them in numerical order Clark N8PZD is going to create a data base of hamfest visitors for us. I talked to Rosemary Lance and she reported that the food vending was down over previous years but said they had a good show and are looking forward to next year.

Overall the Hamfest Committee was very pleased with preliminary reports. We look forward to Tom W8KYZ giving a detailed report at the upcoming meeting.

73 Mike W8EU dit dit

Feb 15th Roll Call

KC8AOX – John
N8PZD – Clark
KD8SC – Rosemary
WD8CRJ – Ted
KC8BQO – Ken
KC8BXH – Joni
KG8VU – Rich
KB8VKF – Mike
WD8IQJ – John
KA8VTS – DeeDee
W8ADW – Fred
WD8BJY – Doug
KB8NW – Tedd
W8EU – Mike
WD8IOU – Dave
KB8IOM – Frank
N8VUB – Brian
W8PEV – James
KI8HO – Paul
WA8OBA – Bob
KA8YDS – Bob
N8OSM – Dan
K8NLW – Russ

**Get on this list,
your input benefits
the whole club.**

Jim Malone's background in machinery automation will be going up in lights at the next NOARS meeting March 15th. Can he turn us green for St. Patrick's Day? Jim W8PEV is going to bring us up to date on the popular rectifier that also lights up in many colors, how the "LED" has changed over time internally, automation techniques used in the textile industry, and how it could look in your next project.

Minutes of the meeting, February 15th 1999

The meeting was called to order by President John, KC8AOX at 19:45, roll call was taken and sign-in sheet passed around, there were 20 NOARS members present.

Minutes were read by N8PZD, motion to accept after correction that Ken presented advanced skywarn training not Rich, by WD8IOU, 2nd by KG8VU.

Treasurer Report read by KC8AOX, motion to accept by KG8VU, 2nd by N8VUB

Committee Reports;

Newsletter, Clark N8PZD also secretary, hopes to do as well as previous editors, his computer background should help us with this important task. Submissions may be e-mailed or sent through postal handlers or pass info to him at club meetings.

DX, Tedd reported a new country Palestine, listen for E4 prefix

Nets, KC8AOX took Harry KA8ZDW to the site to evaluate 444.800 and found the low voltage section of the power supply failed after being in service about 12 years, the original builder of the controller W8PEV was present and surprised his handy-work had endured the trails of time so well. The rectifier components have also been replaced and 444.800 is in service at this writing.

Field Day, NOARS took 3d in 5A-OH in 1998 in spite of very rough weather, help is needed to keep Field Day going strong, Clark is limited this year.

Banquet, Rosemary read Tom's note from the Bird Company which said the donated Model 43 wattmeter program had dissolved and contact made by Dave N8DW had produced nothing, this resulted in the club being billed 325.00 for the purchase of the unit given away as advertised. Motion was made by KB8NW and 2nd by WD8IOU to purchase the meter, vote was taken and passed unanimous. A brief discussion of club finances followed and recommendations were made to create a fiscal calendar from July to July to permit easier tracking of the budget.

Contesting, VHF activity was carried by N8OSM who made contacts on 6 and 2 and will try to submit logs.

Hamfests, Winterfest 99 report is elsewhere in this issue, planning for Noarsfest has begun with the fairgrounds, each vendor's worker needs to obtain admission ticket in addition to space costs.

USS Cod, Fred and Clark reported the forward torpedo tube had sprung a leak, the Cod Committee had calculated less than 1 quart per hour, the leak had been pacified till further repairs can be made in desirable climate. Fred advised us that in April there will be another submarine radio re-activation net and asked for help in the radio operating room.

New Business, with the budget discussion came the request for a proposed annual budget to be presented to the club's membership, also the discussion to change the fiscal year start-stop in July was tabled for March meeting.

W8EU proposed the club purchase a digital voice chip for the controller serving the Elyria FM repeaters, KC8AOX and KB8VKF both mentioned that the software pack had grown obsolete and an update for that must be purchased before the end of 1999, W8EU made motion and KG8VU 2nd, vote was taken to purchase 280.00 US / 10 yes – 2 no.

Upcoming Events, Wednesday March 10th the statewide emergency disaster drill, KG8VU informed us last year this tornado ruined all forms of wire communications, the hams were ready and standing by, over 26 operators checked in from various areas

Friday March 19th NWS Advanced Training seminar, Elyria Red Cross bldg. – KC8BQO has details.

There will be experimental operations on 5 MHz band to test for allocating the Amateur Radio service more spectrum.

Bob KA8YDS won 12.50 US in the 50/50 raffle.

Motion to adjourn 20:50 KB8NW, 2nd W8ADW.

To all radio amateurs

SB SPCL ARL ARLX001

ARLX001 King Hussein, JY1, SK

Radio amateurs around the world joined in mourning the death over the weekend of Jordan's King Hussein, JY1. Hussein, 63, died Sunday morning. The Middle East's longest-reigning ruler, he'd been Jordan's king for 47 years, taking the throne when he was just a teenager. His son, Abdullah, 37, succeeds him.

Hussein had earned a reputation as a catalyst for peace and as a conciliator in the Middle East. President Clinton is among the heads of state from around the globe gathered in Jordan today for King Hussein's funeral.

Hussein was a life member of the ARRL. ARRL Executive Vice President David Sumner, K1ZZ, called him "an enthusiastic radio amateur whose support was invaluable to us in obtaining new amateur bands at the 1979 World Administrative Radio Conference." Sumner recalled that in May 1979, International Amateur Radio Union President Noel Eaton, VE3CJ, was invited to Amman to meet with King Hussein.

"Jordan's support of the Amateur Service was much in evidence at the conference that fall, and was a crucial element in our success," Sumner said. The WARC-79 resulted in Amateur Radio's gaining the 30, 17, and 12-meter bands. That same year, JY1 was featured in the film, "The World of Amateur Radio." Hussein regarded his 1983 contact with Owen Garriott, W5LFL, on board the Space Shuttle Columbia, as a high point in his Amateur Radio activity.

King Hussein also participated in the historic 1995 joint Israel-Jordan JY74X operation on Mt Nebo, where hams from both countries participated in a Field Day-like operation. The King put in appearances both on the air and in person, much to the delight of the participants and those waiting to work him and JY74X.

Hussein's friend Bruce "Blackie" Blackburn, W4TA/JY9BB, of St Petersburg, Florida, called him "one of the world's most respected amateurs" and recounted many stories about King Hussein as a person and an avid Amateur Radio operator. "He was a wonderful guy, interested in everything and everyone," he said.

Blackburn said King Hussein "promoted Amateur Radio to the hilt in Jordan" and saw to it that Amateur Radio classes were instituted in elementary schools. King Hussein also dropped in on meetings of the Royal Jordan Radio Amateur Society in Amman. King Hussein also was involved with the early satellite experiments.

Hussein had been active in recent months from the US while seeking cancer treatment at Minnesota's Mayo Clinic. A QSO with JY1 was considered by many hams to be both an honor and a privilege. His elegant QSL card was prized. AMSAT Area Coordinator Bruce Paige, KK5DO, in Houston, worked JY1 while the king was in the US last summer. "That was a very exciting moment for me," he said.

Pat Kilroy, WD8LAQ, says he enjoyed a three-minute contact on 20 meters with King Hussein in the fall of 1995. "JY1 was traveling aeronautical mobile, enroute to the United Nations. He insisted on me addressing him simply as 'Hussein'," he said. "In one of the oldest traditions in Amateur Radio, Hussein

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upheld that this kinship transverses not only age and nationality, but also between citizen and head of state.

All members of the Jordanian royal family automatically have Amateur Radio privileges in Jordan. Although the new king does not appear to have a call sign, King Hussein's widow--the American-born Queen Noor--is JY1NH. King Hussein's brother, the former Crown Prince Hassan, is JY2HT, while his cousin, Prince Raad, JY2RZ, is chairman of the Royal Jordan Radio Amateur Society.

Subj: Remote antenna switches

In response to my query about experience with remote antenna switches, I received about 20 comments. The most surprising thing about them is that VERY few people had problems with their antenna switches, and all of them were generally satisfied with the ones they had chosen. To the extent there were negatives, they had to do with deficiencies in design "seen from afar." Generally, where people were using a given unit, they acknowledged the shortcomings but had successfully worked around them and felt that the units worked well regardless.

The largest number were using the Ameritron RCS-8V. They acknowledged the relatively poor quality enclosures, but reported long trouble-free service. Several people were using the RCS-4, which does not require a control cable - the clear low-cost winner overall.

Next was DX Engineering -- high marks on both electrical and mechanical construction, but acknowledged to be a little more expensive than the Ameritrons.

A number of people praised Top Ten Devices, particularly for their flexibility, while noting the need for a weatherproof enclosure because the relay boxes are designed for indoor use. They also got loud applause for their customer service.

Two liked the switches from Antenna Mart of Iowa.

And finally, a couple of different solutions -- one urged the use of something called a "globe" - a multi-position motorized coax switch, available surplus-- while two encouraged me to build my own.

So that's the story - I hope you find it useful.

73...Pete N4ZR

IMO the best antenna switch is a multiposition motor driven surplus switch usually made by Transco, TRW or the like. They often are called "globes" because of their shape. Usually a cylinder (containing the motor) with the connectors (usually N's) at one end and a military type connector to take power. You need to make a 28v (or so) power supply with a switch to apply voltage to the right port to make the motor step but this is not difficult to do. These switches should handle any reasonable amateur power at HF, are essentially lossless (they work some of them to several GHz) and very rugged. I have left them outside in the weather and that is o.k. but I would rather put them in some kind of enclosure. These

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switches are surplus and readily available at any flea market almost always for less than \$50 and sometimes half that. They have anywhere from 2 to 8 ports. If you don't have a 28v supply (at about 1-2 amps peak to start the motor), you can get 23v from an Astron 13.8v supply by tapping off the unregulated DC output at the filter before it goes into the regulator. These relays will turn readily at less than 20v. This is an alternative to an expensive ham type remote switch. Those are fine but cost plenty of dough.

Good luck es 73, Gene W3ZZ

Subj: Plated Muffler Clamps

Now that antenna season is here, here's info on Dorman plated muffler clamps:

Dorman Plated Muffler Clamps (U-Bolts with saddles):

Part #	Fits Dia.	Thread size	Holes O-C	Thread past saddle
657-200	2"	5/16-18	2.44"	0.88"
657-214	2-1/4"	5/16-18	2.69"	0.88"
657-212	2-1/2"	5/16-18	2.94"	0.88"
657-300	3"	3/8-16	3.50"	0.88"

Additional sizes available:

655-200	2"	3/8-16	Heavy Duty
655-214	2-1/4"	3/8-16	Heavy Duty
655-212	2-1/2"	3/8-16	Heavy Duty
657-312	3-1/2"	3/8-16	
657-400	4"	3/8-16	

These are available by order from the Dorman catalog at most automotive parts stores. They are on page 15-2 of the 1992 Dorman catalog, and cost in the range of \$2 to \$3. These clamps are plated steel but not galvanized, and seem to last reasonably well in the weather. They come packed one to a box with nuts, but I use them with plated washers and elastic stop nuts ("Nylock").

73 de Dave, W6QHS

Hello fellow amateur operators,

I am coordinating Amateur Radio Communications for the March of Dimes Walk America on Sunday, 25 April 1999 from 8:00 AM until 3:00 PM. This event will take place in Downtown Cleveland and consists of a walking route of approximately 6 miles. There will be 10 checkpoints and I will need to have communications at each checkpoint and at various other places on the route. If you have participated at this event in the past you will know that you will be treated well.

Please contact me T.J. Powell, N8UIR via e-mail, tjp@tjp.com, or call me at 216-468-1984. I will be looking for approximately 15 Radio Operators.

I look forward to hearing from you.

btw.... This event is NOT affiliated with any Amateur Radio Organization. You will be volunteering for the March of Dimes.

Recipe For Living

Take a generous amount of self respect

Spice it with humor

Stir in equal parts of compassion and love

Measure in a few drops of frankness

(but not enough to be bitter)

Blend well, Knead gently and form into a firm loaf

Bake in moderate oven . baste occasionally with sincerity and serve daily.

Your family will love it.

Your friends will envy your skill, and strangers will long remember you favorably.

De KD8SC

Swap – n – Shop

For Sale: Ted WD8CRJ (440)
365-8041 – Steel office desk 30 X 50, formica top (small nick on edge) asking \$50.00 US

For Sale: Clark N8PZD (216)671-8795 – 6 meter tower side mount antenna great for FM (ssb and cw too) asking \$50.00 US

For Sale: NOARS (donated through estate of Chuck Early K8RSH) - AMP Supply 1kw antenna tuner model AT 1200, with manual, same as unit donated to NOARS for use in USS Cod. Minimum accepted \$75.00, this has been shown at several meetings.

Wanted: NOARS CDR Ham 4 rotator base and help for adding to USS Cod tower early 1999, this is an aluminum plate about 1/2 inch thick. Donations are encouraged as this is for our club station, ideas are welcome.

Apologies to anyone who submitted and not listed, this will be corrected at next meeting. E-mail new listings to noars@qsl.net, subject=newsletter, include your call sign in the body of the message. This area is non-commercial area, costs for commercial ad space is being explored and will be presented soon.

Ten Tec items for sale:

1 #1208 HF to 6mtr transverter \$71.25
1 #1209 2mtr to 6mtr transverter \$71.25
1 #1210 10 mtr to 2mtr transverter \$104.25
1 #1553 Electronic keyer \$9.00
2 #1253 9 Band SW Receiver \$44.25
2 #1054 4 Band SW Receiver \$18.00
2 #1056 SSB/CW Receiver \$21.75
1 #1340 40mtr QRP transceiver 71.25
2 #1320 20mtr QRP transceiver \$71.25

Contact John, KC8AOX @ 440-323-0081 evenings, or kc8aox@qsl.net if you would like to purchase any of these kits.

Congratulations to upgrades;

KI8HO *Paul* formerly KC8JEK
KB8WMZ *Tim Allen*

Congratulations to new NOARS ham – Bob Leader
Bob's coach KA8WMX Ted has enjoyed operating at the USS Cod.

NOARS Log editor, Virden
"Clark" Beckman N8PZD



Amateur Radio Home of the U.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, both located atop the E.S.T. Bank Building. The **NOARS TECHNICAL NET** is held each Thursday at 7:00 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 hrs. 300 - 33,600 baud**.

The 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, P.O. 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 _____