



"Welcome to NOARS Country."

NOARS LOG

K 8 K R G

Amateur Radio Home of the **U.S.S. COD**

Club Repeaters

VHF: 144.550/145.150Mhz, 146.100/146.700Mhz

UHF: 449.800/444.800Mhz

Home of "**BART**" the DX ALERT

Barf-80 Bulletin Board (216) 237-8208 300-28800Baud

NETS

NOARS DX Net: Tedd KB8NW
145.150 Tuesday at 9:00PM

NOARS Net: John WD8IQJ
146.700 Wednesday at 9:00PM

NOARS Tech Net: Sandy W8KYS
146.700 Thursday at 7:00PM

May

1998

VOLUME 34

ISSUE 05

1998 EXECUTIVE COMMITTEE:

President: Clark Beckman N8PZD
Vice President: John Shaaf KC8AOX
Treasurer: Tom Porter W8KYZ
Secretary: Mike Willemin W8EU

STANDING COMMITTEES:

ARRL/VE: Ola Slone WD8MOU
ARRL/VE: Dave Willemin N8DW
DX: Tedd Mirgliotta KB8NW
Field Day: Clark Beckman N8PZD
Membership: John Shaaf KC8AOX
Newsletter: Mike Willemin W8EU
Hamfest: John Shaaf KC8AOX
Repeater: Glen Thome N8AKS
USS Cod: Bob Goff KA8YDS
Banquet: Tom Porter W8KYZ

**See you
in
Dayton!!!**

April Meeting Update

The NOARS meeting was brought to order at 7:50pm by Clark, N8PZD with the introduction of members and guests present. John KC8AOX is working on the NOARSFEST and trying to resolve the fee for overnight camping issue. Tom, W8KYZ was not present for the treasurer's report. The minutes of the February meeting were accepted as printed in the NOARSLOG. Mike, W8EU mentioned that if you are not receiving your newsletter please contact Tom, W8KYZ as he is the distributor. For those on the Web you can check out the club homepage at address listed on front page. The newsletter is posted there for downloading. Tedd, KB8NW reported 2 new DXCC countries H44AA and H44AB Marguesas & Astral Islands. He also mentioned the the 145.15 repeater on the MCI tower in North Royalton may be coming down soon as they update there tower. Clark N8PZD is looking into the situation. John, WD8IQJ says nets are running smoothly. We need operators and equipment

For our annual Field Day operation if you can help please check with Clark, N8PZD at the May meeting . Old Business - check with Rich KG8VU for information about the emergency drill later in May.

New Business - Dave WD8IOU brought th the club's attention that Tedd, KB8NW replaced the TR7400 radio used on the 5.15 repeater with a TM 241. This radio is the one that Bart uses to announce the DX spots off of the Packet Cluster. Dave made a motion to give ownership of TM 241 to Tedd as reimbursement for buying radio. This motion was seconded by Doug, WD8BJY. It was also brought up that their is a proposal to limit ham spectrum in Congress. As hams we should let our congressmen know how we feel. Motion to adjourn by Glenn, N8AKS and seconded by everyone present. John KC8AOX won the 50/50 raffle of 28.00 dollars.

***NOARSFEST
FLYER
GOES
HERE. If
You Don't
have one
get one.
pass it
around.
The more
people who
see this
flier the
better
hamfest wi
all have.***

NOARS NEWS

SUNSHINE

It was brought to the Members attention that Al, W8QWI recently had open heart surgery. Best wishes for a speedy recovery Al.

Recent USS COD Activity

These stations were worked from the **NOARS** club station aboard the **USS COD** and have all requested **QSL** cards.

WD4RCO Dave - Paxton, FL.
KB9DVC Gehl - Elmhurst, IL.
KB9FUR Robert - Addison, IL.
K0EFV Tom - Waterloo, IA.
KC5PZA Don - Gulfport, MS.
AB5SG Mac - Van Buren, AR.
KF4NEF Gerald - Trinity, NC.
KK5DO Bruce - Alief, TX.
Recent operators have been Fred W8ADW - Ralph W8BHJ - Mike W8EU and Clark N8PZD.

VE exams at Cleveland Hamfest

I have been asked to help out with the VE exams at the Cleveland Hamfest in September. If anyone is interested in helping out for a few hours after the hamfest please let me know. I can be reached via email: w8eu@qsl.net or the landline at 324.4574 or at a **NOARS** meeting. Any help would be greatly appreciated.

Hamfest helpers

Recently at the 20/9 hamfest near Youngstown. **KC8BQO** **WD8CRJ** and **KD8SC** passed out fliers advertising our **NOARSFEST** in July.

It is these fliers that help pass the word about our Hamfest and our club activities. Many thanks to these Individuals for spreading the word about **NOARS**.

For Sale

Bill Johnston, KB8AM has a Heathkit HW-101 for sale. This includes AC Power Supply, RF Power Meter and all manuals. This is a ham band only transceiver. If interested please contact Jim N8MPC at 440-774-1275.

Need help ?

If you are in need of technical assistance or computer help feel free to check in to the **NOARS** technical discussion net on 146.700 repeater. at 7:00 pm on Thursday nights.

Sandy W8KYS is Net Control and helps out with the technical stuff and usually some computer people stop by and offer there expertise as well.

Newsletter Info

If anyone has any items of interest for the NOARSLOG please contact Mike W8EU either through email: w8eu@qsl.net or the landline 324.4574 or at any meeting.

Tom W8KYZ is responsible for mailing out the hard copy newsletter if anyone is getting their NOARSLOG late or the address is incorrect please direct this information to Tom, W8KYZ.

The following is the first part of a series of articles on packet radio by Larry Kenney, WB9LOZ.

INTRODUCTION TO PACKET RADIO - PART 1

Packet Radio is one of the latest major developments to hit the world of Amateur Radio. If you haven't already been caught by the "packet bug", you're probably wondering what it's all about and why so many people are so excited about it. Well, continue reading, because you're about to find out. Packet seems to offer something different from other facets of Amateur Radio, yet it can be used for everything from a local QSO to a DX contact thousands of miles away, for electronic mail, message transmission, emergency communications, or just plain tinkering in the world of digital communications. It presents a new challenge for those tired of the QRM on the low bands, a new mode for those already on FM, and a better, faster means of message handling for those on RTTY.

Packet is for the rag chewer, the traffic handler, the experimenter, and the casual operator. A ham can get involved very easily with relatively small out-of-pocket expenses.

All you need is a transceiver, a computer or terminal, and a TNC. If you use a computer rather than just a terminal, you can use a packet modem and special software instead of a TNC. A two-meter rig is preferred, since that's where most of the packet activity is located. You probably already have the rig and a computer of

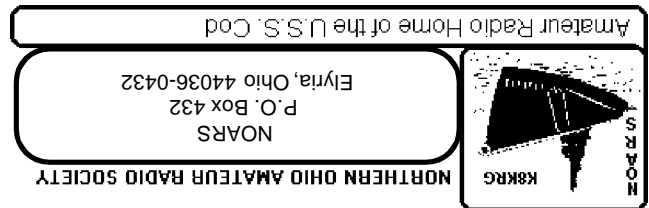
some kind, so all you need to buy is the TNC, which costs just over \$100, or the modem and software, which sell together for about \$50. A TNC is a Terminal Node Controller, the "little black box" that's wired between the computer and the radio. It contains software for controlling the outgoing and incoming transmissions for your station and a modem that converts the data from the computer into AFSK tones for transmission and changes the tones that are received by the radio into data for the computer. The TNC modem works much like a modem that's used to connect your computer to the telephone lines. It's a simple matter of wiring up a plug and a couple of jacks to become fully operational on packet. If you prefer to use the small modem instead of a TNC, you'll need special software for your computer to replace the software in the TNC. Either method works equally well. Packet is communications between people either direct or indirect. You can work "keyboard to keyboard" or use electronic mailboxes or bulletin board systems to leave messages. Due to the error checking by the TNC, all of it is error free, too. (That is, as error free as the person at the keyboard types it.) As the data is received it's continuously checked for errors, and it isn't accepted unless it's correct. You don't miss the information if it has errors, however, because the information is resent until it is correctly received.

The data that is to be transmitted is collected in the TNC and sent as bursts, or packets, of information; hence the name. Each packet has the callsign or

address of who it's going to, who it's coming from and the route between the two stations included, along with the data and error checking. Since up to 256 characters can be included in each packet, more than three lines of text can be sent in a matter of a couple of seconds. There is also plenty of time between packets for several stations to be using the same frequency at the same time.

If all of this sounds confusing, don't let it bother you, because the TNC or special packet software does everything for you automatically. Packet radio might seem very confusing at first, but in a day or two you'll be in there with the best of them.

In this series I'll be telling you all about packet—how you get on the air and how to use it. We'll talk about that little black box, the TNC, and tell you about all its inner-most secrets. We'll discuss mailboxes, bulletin board systems, and the packet networks that allow you to work stations hundreds, even thousands, of miles away using just a low powered rig on 2 meters, 220 or 450. The world of packet radio awaits you!



NOARS INFORMATION

The **NORTHERN OHIO AMATEUR RADIO SOCIETY** is a Public Service Organization, with the purpose of education and furtherance of the art.

Meetings are held on the **Third Monday** at **Gargus Hall, 1969 N. Ridge Rd., Lorain, Ohio** at **8pm**. A **NOARS DX NET** is held on the **145.15** repeater in located in **N. Royalton, Ohio** atop the **MCI** tower on **Tuesday's** at **9pm**. The **NOARS 2 METER NET** is held on the **146.70** repeater located in **Elyria, Ohio** atop the **E.S.T. Bank.** at **9pm**. The **NOARS TECHNICAL NET** is held on **Thursday's** at **7pm** on **146.70**. **NOARS** also operates a **B.B.S (BARF-80)** 100% ham radio information and news. Full open access to all users **(216) 237-8208 24 hrs.** 300-14400 baud

The club's station is installed 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 members and their guests daily from 11am til 5pm.

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 dollars per year for a licensed amateur (Full Membership) 2 dollars non licensed (Associate Member) 1 dollar per family member (whether licensed or not. Checks are to be made payable to NOARS (please include your call) and mailed to NOARS MEMBERSHIP P.O. Box 432, Elyria, Ohio 44036-0432.

NOARS APPLICATION

Please Indicate **NEW** **RENEWAL** **CHANGES** **EMAIL EDITION** **USMAIL EDITION**

Name _____ CALLSIGN _____ CLASS _____ ARRL YES ___ ARRL NO ___
 Email Address _____
 Address _____ CITY _____ ST _____ ZIP _____ PH(____) _____