



NOARS LOG

**Our
50th Year**
Serving The
Amateur Radio
Community

The Award Winning Newsletter of:
**The Northern Ohio Amateur Radio
Society**

www.noars.net

Welcome to NOARS country!

August 2014

NOARS Membership Meetings Are Held at:
North Ridgeville Public Library
On The Third Monday
Every Month @ 7:00 P.M.



V.E. Exam Schedule:
1 P.M. Third Sunday of each Month.
Elyria Red Cross, 2929 W. River Rd N. Elyria, OH

SUN	MON	TUES	WED	THUR	FRI	SAT
* No business meeting. Picnic meeting at Duck Pond, Carlisle Township See Page 5					1 ARN 7pm	2
3	4	5 1ØM Net 8PM W8KYZ	6 ARN 8PM BRTN 9:30PM	7 Weekly NET 8 pm NCS: W8KYZ	8 ARN 7pm	9
10	11	12 1ØM Net 8PM NC8X	13 ARN 8PM BRTN 9:30PM	14 Weekly NET 8 pm NCS: KD8VTX	15 ARN 7pm	16
17 VE Testing @ Elyria Red Cross	18* Picnic Meeting	19 1ØM Net 8PM NC8X	20 ARN 8PM BRTN 9:30PM	21 Weekly NET 8 pm NCS: N8CX	22 ARN 7pm	23
24	25	26 1ØM Net 8PM NC8X	27 ARN 8PM BRTN 9:30PM	28 Weekly NET 8 pm NCS: W8RET	29 ARN 7pm	30
31						

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The Northern Ohio Amateur Radio Society **K8KRG**



August 2014 - Volume 50 Issue 8

Welcome To NOARS Country

The NOARS members and friends have made it past 2 radio club hurdles, Annual ARRL Field Day and the summer classic hamfest, the hamfest found a soggy morning but there were a few in the flea market in spite of the drizzles. For those not at the July meeting to hear thanks from Deedee - thanx to everyone who pitched in to help out - a nice letter already came from the ARRL table.

Thanx to Chet K8KIZ for showing us much more info on building baluns and the details of a toroid balun, you see these metal donuts in a lot of equipment, now you know why and the cost of making your own is about 20-30 percent of buying - build a couple with a friend and the cost drops off as you share glue and pipes you may never use again.

A lot of fun at field day with setup of antennas and the slingshot did really well, sure beats climbing anyday! Some of the new faces in NOARS got to learn antenna tuners and operating on HF bands. Please get headphones for next year under cover of the pavilion, there will be a gizmo to build at an autumn meeting.

Time now to think picnic in the Lorain County Metroparks, again at the duck pond on Nickel Plate Diagonal road with your friends and guests from the radio, bring a covered dish and a smile.

-Clark N8PZD

Follow us on Facebook  and Twitter 

Who's who at NOARS? (And How to Contact Them)

2014 Elected Officials

President2014atnoarsdotnet:.....N8PZD Clark Beckman
Vicepresident2014atnoarsdotnet:..N8QL Alex Pasini
Treasurer2014atnoarsdotnet:.....W8KYZ Tom Porter
Secretary2014atnoarsdotnet:.....KA8VTS Darlene Ohman

K8KRG License Trustee

trusteeatnoarsdotnet N8CX Al Moriarty

Committee Heads for 2014

Newsletter Production: W8KRF Carl (Editor)
(noarslogatnoarsdotnet) W8KRF Carl (Publisher)
A.R.R.L. V.E.....W8KYZ Tom Porter
W8KRF Carl Rimmer
W8GWD Joseph Cebula
N8QL Alex Pasini
K8IC Bill Isenberg
NQ8T Steve Hill
W8SSE Joe Oney
K8JGR Jane Reed

Education Committee Chair: N8QL Alex Pasini
Membership2014atnoarsdotnet: W8KRF Carl Rimmer
DX/Field Day Chair: N8CX Al Moriarty
Net Operations Manager: W8RET Bob Tome
Hamfest Chair: KA8VTS Darlene Ohman
Webdesignatnoarsdotnet: W8KRF Carl Rimmer
Sunshine Committee: KD8MUW Angela Lasko
Repeater Upkeep: K8IC Bill Isenberg
N8PZD Clark Beckman
Parliamentarian: W8RET Bob Tome



BTW Dept.!

Happy Birthday to the following members:

* N8CX Al * K8SVT Marlin * KD8VOY Michael * N8JET Bill *

* Ed. Note: If your birthday doesn't appear here it's a good chance that it's not in our database! Please contact: Carl W8KRF and update us!

NOARS IS ON THE AIR!

Weekly Nets:

28.370 MHz Tuesday Night 10 Meter Net 8pm local time
NCS: NC8X - W8KYZ

146.70 (-) PL 110.9 Thursday Weekly Net 8pm Local time
NCS: W8RET - W8KYZ - N8CX - KD8VTX
All are welcome on NOARS nets!

NOARS NEWS

August Meeting Program

No Program. This is our annual picnic meeting at Duck Pond. Bring family and friend, and a cover dish or dessert to share. See Page 5.

Sunshine Committee Reports

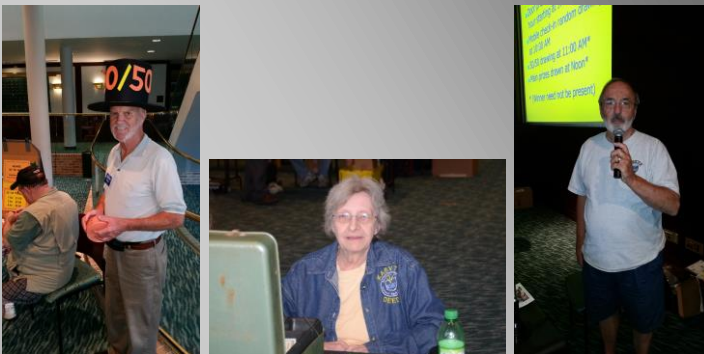
Nothing received from Angela KD8MUW this month. If you become aware of a member who is ill or hospitalized, please contact Angela with that information.

Technician Classes

The NOARS Education committee is planning another Technician Class License class in the Fall, possibly starting in September, if there is enough interest. Contact the Education Committee by sending an email to [education\(at\)noars\(dot\)net](mailto:education(at)noars(dot)net) or go to the Education page on our website at <http://www.noars.net> and take the survey.

If you know of someone who is interested in acquiring their ham ticket, tell them about this opportunity.

NOARSfest 2014



NETS

Bob, W8RET, reports that the nets are going good. It is especially noteworthy that Matt, KD8VTX, was net control on Thursday, July 24th and had 22 check-ins. This is nearly a record breaker. Please support our nets by at least checking in. If you have nothing to say, just check-in and say "in and out" or that you will just be "listening only". That way we know that there are people supporting the nets and listening to them.

Speaking of nets, it is our honor to support the Burning River Traffic Net (BRTN) by opening our 146.700 repeater to them each Wednesday at 9:30PM. We ask that you check-in to the net even if you have no traffic. At least monitor it so you get some exposure to the National Traffic System (NTS) which could become very important during an emergency.

The Woodchuck net is on our 145.15 repeater each Wednesday night at 8:00PM. Join in.

Are You Using Apple?

Jerry Gentry, WA0H, wants to know how many hams use Apple computers. He has written an (easy to use) ham radio logging program for Windows called MicroLog. It is not a contest or DX logger. It does basic logging. You can download a free version of it from his website, www.wa0h.com. If there is enough interest, he is thinking about an Apple version. Contact him direct at jerrywa0h@sbcglobal.net to let him know of your interest.

-submitted by Tom W8KYZ

Roll Call: July Meeting Attendees**19 Members And Guests In Attendance**

KA8WLI Tom	KD8WON Mark	W8KRF Carl	W8SSE Joe	K8AGW Dan
K8KIZ Chet	W8IMO Bob	N8QL Alex	W8RET Bob	KB8ZUN Jeff
N8PZD Clark	KA8VTS Darlene	KD8TCZ Stephanie	W8KYZ Tom	WDF8MUF John
W8GWD Joe	W1AFC David	NC8X Tim	AA8S Fred	

Minutes of the July 21, 2014 Meeting
Submitted by: Darlene Ohman, KA8VTS

The meeting began at 7:00 p.m., 19 members and guests present.

- **Treasurers Report:** Tom Porter, W8KYZ, a motion was made and seconded to accept the treasurer's report as given. The motion was passed.
- **Secretaries Report:** Darlene Ohman, KA8VTS, a motion was made and seconded to accept the secretary's report as printed in the newsletter. The motion was passed.
- **Education Committee:** Alex Pasini, N8QL, we will probably have a technician class in the fall. If you know anyone who wants to take a class please let me know. We need people to spread the word about our classes.
- **Newsletter:** Carl Rimmer, W8KRF, I need more input. If you want to put something in the newsletter get the information to me no later than the last Monday of the month. I need more things to put in the newsletter.
- **Membership:** Carl Rimmer, W8KRF, we are up to 99 members. If anyone needs a roster mailed to them, let me know.
- **Nets:** Bob Tome, W8RET, the nets are going good. We could use some more participation on the 10 meter net on Tuesday night on 370 at 8:00 p.m. Burning River will be using our repeater at 9:30 Wednesday on 670.
- **Sunshine:** Angela Lasko, KD8MUW, was not in attendance.
- **Web Site:** Carl Rimmer, W8KRF, when you're on the website, please check the links to see if they are working well. If you see a problem let me know.
- **DX:** Al Moriarty, N8CX, was not in attendance.
- **Repeaters:** Clark Beckman, N8PZD, nothing to report.

Old Business:

NOARSfest: We had a good turnout in spite of the rain.

New Business:

Picnic: August 18 at 5:30, at the Duck Pond. Bring a covered dish, we will provide everything else.

Chet Roberts, K8KIZ, gave a wonderful presentation on *How to wind a Toroid Balun*. Download PPT link on website.

Bernice Reese, Frank's W8FJR (SK) wife donated the donuts for the meeting. Thank you, Bernice!

The meeting was adjourned at 8:25 p.m.

A Few of the Call-Signs Heard On the NOARS Nets

July 2014

Tuesday and Thursday Nets

NC8X (NCS) – K8AGW – KF8PM – W8RET (NCS)
 KA8WQL – W8KYZ (NCS) – W8GWD – NQ8T - N8WS
 W8KRF – WB8UPA – KD8VTX (NCS) - N8CX (NCS)
 KD8MUF – N8CX (NCS) – WA8ERA – W8KYS – KD8SST
 KD8NGE – KD8WON – WD8SID – W8BHJ – KD8YIE
 N8AHS – WD8OSJ – W8KYW – KD8GXL – KD8TNF

NOARS Has Two Nets For You!

On: 146.700 MHz Repeater, and 28.370 MHz

The 8:00 PM Tuesday Night 10 M Net

Join Tim, NC8X and Tom W8KYZ for this net.

The 8:00 PM Thursday Rag Chew /Tech Net.

Join us for our weekly 2M repeater rag chew and tech net
 Hosted by W8RET - W8KYZ– N8CX

Our repeater will be used by **Burning River Traffic Net** on
Wednesdays at 9:30 PM.

NOARS Picnic Meeting

Monday, August 18, 2014

Duck Pond

Carlisle Township

6-8 PM



Bring a covered dish or dessert.

Hamburgers, hotdogs, buns, condiments, and beverages, as well as, paper plates, plastic ware, and napkins are provided. Bring your family, friends, and an appetite.

Go to www.noars.net click on **Meetings** tab



For Sale & Advertisement's Page

All Submissions must be sent to [noarslog \(at\) noars.net](mailto:noarslog@noars.net) or to: NOARS Log, 161 Herrmann Drive, 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.
 Ads from current NOARS members (or paying advertisers) only will be accepted! Notice! All ads will be removed (unless updated) after three months (as space is needed)! NOARS reserves the right to refuse ads at our discretion.

KD7HZZ EQUIPMENT SALE (Moving)

ARCHER 21-525, SWR/FIELD STRENGTH METER	\$10.00
(Vintage) AMECO RADIO AMATEUR LOG BOOK	\$ 5.00
30 watt Soldering Iron	\$10.00

W8ADV (SK) ESTATE SALE

MISC.

MFJ-464 KEYS/READER \$70.00

HEADPHONES--COMPUTER MICS

TR-2000 Ear and Head Cushion (no mic) \$15.00

Tempo HM-5 mic \$ 5.00

PRINTED MATERIAL

MFJ-259 and 259B Instruction Manual \$ 2.00

HALLICRAFTERS SX-71 "Original" Operating " " " " " Operating and Service \$10.00

HAMMERLUND HQ-110 \$ 5.00

KENWOOD TW-4000A Service \$ 5.00

YASEU FT-857D OPERATING \$ 5.00

Icom IC-7200 Manual \$ 5.00

Icom IC-3200 Manual \$ 5.00

CONTACT W8KYZ, TOM, 440.930.9115

FOR SALE (Estate of WB8TMR, SK)

Miscellaneous

EICO 950B Resistance/Capacitance Bridge	\$15.00
Speaker, 8 ohm (mobile/home station)	\$ 5.00
Alliance HD-73 Rotor Control Box	\$35.00
ICE 348 Lightning/Surge 8 wire suppressor	\$20.00
Vintage Sears CB Model 934 w/box, mic, bracket	\$35.00

LARSEN ANTENNAS AND ACCESSORIES

Larsen NLA-TLM (trunk lip mount) NEW	\$ 5.00
Larsen NLA-220 (200-265 mhz) Coil only NEW	\$10.00
Larsen NLA-150-HW (coil only)	\$10.00
Black Rain Cap (8)	\$ 1.00
Tri-Band Mag Mount (860/1800/1900 MHz) New	\$ 5.00

FOR SALE

Icom IC-3200 2m/44 mobile 5/25 w xcvr	\$60.00
Yaesu YSK-7800 separation kit (new)	\$45.00
GE 49MHz Walkie-Talkie w/ 9v battery	\$ 7.00
Trac Electronic Keyer w/ 9v battery	\$10.00
Morse Code cassette tapes	Make offer
Drake TV-42 Low Pass Filter (100w)	\$10.00
Gold Line Low Pass Filter (1000w)	\$ 5.00
Diawa CS-201 Antenna Switch	\$20.00
Icom Leather Holster for IC-2AT	\$ 5.00
Parts "Grabber" 20"	\$ 1.00
LCD Digital Multimeter	\$10.00
HT Antenna Various MFJ/Vocom/AEA	\$ 5.00

COAX

RG-214 w N-Type connectors 6ft	\$ 9.00
RG-8X 1.5 ft	\$ 1.00
RG-58U 20ft	\$10.00
RG-58U 2.5 ft	\$ 2.00
RG-59U 13 ft	\$ 5.00

CONTACT W8KYZ, TOM, 440.930.9115

WANTED

Power Transformer
 120 V Primary
 250 V @ 200 ma Secondary
 6.3 V @ 1 Amp Secondary

Contact: Bill Adams
 (440) 522-4622

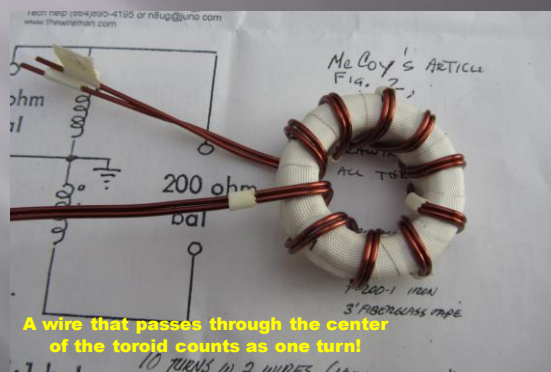
How To Wind A Toroid Balun

- Chet K8KIZ

Here are a few slides from Chet's presentation at the July Meeting on How To Wind A Toroid Balun. A link to the entire PPT presentation is on the Education page of our website at <http://www.noars.net>.

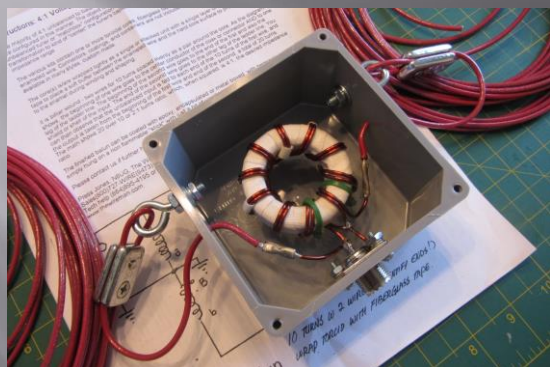


Toroid is now wound with 10 turns.



K8KIZ 7/2014

Another view for detail.



K8KIZ 7/2014

Yaesu ATAS 120A Mobile
HF/6M/2M/440 Antenna (New)
For use with Yaesu FT-897, FT-847, and FT-100/-100D.
List: \$325.00 Yours for: \$250.00

Contact Carl W8KRF
216-256-9624

W8FJR (SK) – FRANK'S HAM RADIO EQUIPMENT FOR SALE.

RADIO TRANSCEIVERS

- YAESU FT-1000D HF 200-WATT RADIO W/ FILTERS INSTALLED..... +/- \$3500.00**
- YAESU EXTERNAL SPEAKER (SP-6)..... +/- \$179.00 -**
---GOES W/FT-1000D
- YAESU DYNAMIC DESK MIC (MD-1) +/- \$139.00 -**
--GOES W/FT-1000D

CROSS NEEDLE WATTMETERS

- MFJ (MFJ-815C (HF) SWR/WATTMETER 3" ILLUMINATED 1.8-30MHZ 300-30000W; 60/600W REFLECTED POWER RANGE..... +/- \$65.00**

ANTENNA TUNER

- MFJ -VERSA TUNER II (MFJ-941B)..... +/- \$129.99**

MISCELLANEOUS

- ANTENNA SWITCH DAIWA 4-POSITION CS-401- (NEW)..... +/- \$80.00
- ANTENNA SWITCH DAIWA 2-POSITION CS-201- (NEW) +/- \$25.00

Contact **Bob Tome W8RET** for details or to purchase at **(440) 365-6829**

FOR SALE

ICOM AT-500 ANTENNA TUNER,



1500W PEP
EXCELLENT CONDITION

\$320.00

CONTACT W8KYS, SANDY, 440.647.2255.

BATTERIES AND CHARGERS

by Linn KD8NGE

My ham shack is battery powered.

An automobile battery can be used to power your radio, but it's not a great choice: car batteries are intended for high-discharge, short-duration usage, whereas the deep cycle marine battery (my choice) is intended for a lower output over a much longer period of time. My reasoning was that, if they can handle a trolling motor, they can handle my radio.

I charged it with the battery charger in my garage. A charger that's intended for a vented battery, the kind with removable caps; the kind you add distilled water as needed. My sealed marine battery overcharged, it vented, and it started to die.

Sealed batteries, even sealed lead-acid, undergo chemical reactions as they surrender electrons to your use: water is evaporated away, condenses inside the sealed case and returns to solution, but, as a safety measure, the battery will vent if over charged. This prevents a catastrophic case failure with release of corrosive electrolyte.

Signs of its impending death included the HF radio turning off, and then back on, and then the tuner wouldn't tune a formerly-successful attic loop (I attributed this to some sudden-onset antenna mismatch)

Finally, after leaving the battery on charge all weekend, it would not power up the HF radio. I checked fuses. I checked connections. Finally, I put the volt-ohmmeter on battery. 10.5 volts. When your 13.5-volt battery won't put out over ten and a half, it's done, replace it.

How? Why?

Standard battery chargers are intended to re-power a standard, vented battery, NOT A SEALED BATTERY. (Yes, that's all caps. I'm trying to save you some money here!) If not a standard charger, then what?

You can use what's called a "Float Charger" designed for sealed batteries. Harbor Freight, Grip Tools, even Wal-Mart has them, ten bucks and you're covered.

One last item: If you're using a battery for shack power, you might want to have it in a plastic battery box. It'll contain any leak, but best of all, should anything conductive fall in its general direction, you won't have a sudden dead short.

I won't tell you how I know this is a very bad thing, just trust me, dropping a crescent wrench that bridges the terminals results in not only a big sizzling arc, the case can detonate with the sound of a pistol shot.

I won't tell you how I know this, and I won't tell you whose wrench it was, and I won't tell you about pulling the dripping, smoking, busted open battery out of the truck and replacing it before the Old Man got home, and I won't tell you about replacing the crescent wrench because it had a big ugly gouge in the side from the arc.

I expect I should insert a disclaimer: I am not an expert on batteries, chargers or much of anything else. I'm just a poor dumb hillbilly (who) tries to learn from my mistakes.

*****IMPORTANT*****

Are you joining or renewing your ARRL membership? Did you know that NOARS will receive a commission if you do your transaction through us?

Commission Terms

ARRL Affiliated Clubs receive a commission for every new ARRL membership and renewal they submit to ARRL Headquarters.

Clubs retain a portion of the dues for each regular membership submitted to ARRL Headquarters:

- Clubs retain **\$15 for each new membership** OR lapsed membership (of two years or more). A NEW MEMBER is defined as any individual who has never been a member of ARRL or any individual who has not retained a membership for two or more calendar years prior to the application submission.
- Clubs retain **\$2 for each renewal**. A RENEWING MEMBER can renew at any time, even before their current membership term expires.

If you are not an ARRL member, please consider joining now. As an affiliated Club, we are required that 51% of our membership be active ARRL members. If you are joining or renewing, contact Tom Porter, W8KYZ. **This is important.** You will gain benefits provided by being a member of the ARRL and NOARS will receive some income.

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 7:00 p.m. sharp on the third Monday of every month at the North Ridgeville Branch of the Lorain Public Library, 35700 Bainbridge Rd, North Ridgeville, OH. The meetings are open to the public and all are welcome. Tune in to the 8 pm Thursday night NOARS net on the 146.700/444.800 MHZ. repeaters located downtown Elyria, Ohio for changes or updates in this schedule. N.O.A.R.S. Repeater can be heard at **146.700 (-) PL 110.9 & 444.800 (-) PL 131.8** in Elyria, OH, as well as, **145.150 (-) PL 110.9** in North Royalton, OH.
- Regularly scheduled NOARS nets are every Tuesday night at 8 pm on 28.370 MHz, every Thursday night at 8 pm. for the rag chew and technical discussion net on 146.700/444.800. All licensed amateurs are welcome. NOARS membership is not necessary to participate. In fact all participation is encouraged and appreciated.
- NOARS can be found on the World Wide Web at: [http://www\(dot\)noars\(dot\)net](http://www(dot)noars(dot)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.

Membership is open to anyone interested in communications. The dues schedule is: Full \$15, Associate \$7 (non -licensed), Family members of a full member are only \$4 ea. Make checks payable to NOARS and mail them to:

NOARS Membership Committee, 161 Herrmann Drive, Avon Lake, OH 44012

Or use PayPal by sending your personal payment to [paypal\(at\)noars\(dot\)net](mailto:paypal(at)noars(dot)net).