

Northwest Indiana DX CLUB

Volume 10, Issue 6

June 2022

President's Corner

We are looking forward to the next meeting on June 18th.

Don't forget the Challenge update listing is coming soon.

Also DX Club Contest.

73

John W3ML

Good DXing!

"Working the World from the Black Hole"

NWI DX Club Website

<http://nwidxclub.weebly.com/>



Don't forget Steve Mollman is our QSL Card Checker.

DXCC Card Checking is available by appointment and may be available at meetings. E-Mail kd9hl@arrl.net for an appointment or to make other arrangements.

<i>Northwest Indiana DX Club Officers and Staff</i>			
President	W3ML	John Poindexter	w3ml.john@gmail.com
Vice President	W9KTP	Jerry Hess	jerryhess@Frontier.com
Newsletter Editor	W3ML	John Poindexter	w3ml.john@gmail.com
W9NWI Trustee	KD9HL	Steve Mollman	kd9hl@ARRL.net
Webmaster	W9YOU	John Reardon	kd9ron@ARRL.net
ARRL Card Checker	KD9HL	Steve Mollman	kd9hl@ARRL.net

Reminder, the NWIDX Club has a club call W9NWI.

The call is available to members for use during contests, special events, Field Day, etc. To schedule dates for its use, contact the trustee, Steve Mollman – KD9HL. kd9hl@arrrl.net

QSL cards are available.

Notice:

Articles in the Northwest Indiana DX Club Newsletter (except for those separately copyrighted) may be reprinted, provided proper credit is given.

FOR SALE ITEMS

MFJ's most expensive 3KW tuner, never used, bought from DX Engineering, cost was \$700 plus. Will entertain best offer. Nick, W9UM. Pick up only.

Contact Nick at his email address: <mailto:ncominos2@gmail.com>

The following equipment is up for sale. Will accept PayPal, cash, MO, or personal check. Shipping is available for additional cost. For more information on any of the listed items please email Mike at aj9c@indy.rr.com. Prices are listed below the pictures.



Remote Antenna Tuner



Remote Antenna Tuner Picture 2

I purchased this to make a remote antenna tuner. There is a vacuum variable capacitor with a motor and a ribbon inductor with the motor. The unit is complete.

Asking Price: \$125.00



SCI-6 Sound Card Interface Kit

Interface kit to use with your radio to get on FT8, PSK31, RTTY, WSJT.

Asking Price: \$15.00

Heights aluminum 8-foot sections. (2) 30 in straight (old style). One 30 to 26 in taper. This section is a new style section. I have one set of connecting sleeves, buyer will have to make another set. (2) 26 in straight (old style). one 26 to 22 in taper (old style). (3) 22 in straight (old style). One 22 in straight section has a plate on top with thrust bearing and rotor plate. One 14-inch straight section (old style). Price: \$1500. for sale as a lot only at this time. Pick-up in Marion, IN (NE Indiana).

Enough for a 72-foot tower.

If interested in any of the above items, please email Mike at aj9c@indy.rr.com

K9KFT is selling these items because of huge medical bills.

1. Heathkit King Conversions 6-meter Amplifier. 900 to 1000 watts out. Like New. \$800.00



3. Daiwa CN- 801 20 & 2000 Watts SWR/Power Meter. Brand New. \$100.00



Contact Wayne at K9KFT@embarqmail.com

N7GVV, Jim sent an email saying, “I'm going to put my IC-7300 on the market. Bought it new in 2020. Have not used it much, just digital @ 50 watts.



Contact him at 1940twally@gmail.com

Questions of the Month

(From the Extra Class Exam Pool-The correct answers are at the end of the Newsletter)

1. What is the primary function of an external earth connection or ground rod?

- A. Reduce received noise
- B. Lightning protection
- C. Reduce RF current flow between pieces of equipment
- D. Reduce RFI to telephones and home entertainment systems

2. Which of the following carrier frequencies is illegal for LSB AFSK emissions on the 17 meter band RTTY and data segment of 18.068 to 18.110 MHz?

- A. 18.068 MHz
- B. 18.100 MHz
- C. 18.107 MHz
- D. 18.110 MHz

3. What must be done before placing an amateur station within an officially designated wilderness area or wildlife preserve, or an area listed in the National Register of Historic Places?

- A. A proposal must be submitted to the National Park Service
- B. A letter of intent must be filed with the Environmental Protection Agency
- C. An Environmental Assessment must be submitted to the FCC
- D. A form FSD-15 must be submitted to the Department of the Interior

4. Which of the following best describes the term "self-spotting" in connection with HF contest operating?

- A. The often-prohibited practice of posting one's own call sign and frequency on a spotting network
- B. The acceptable practice of manually posting the call signs of stations on a spotting network
- C. A manual technique for rapidly zero beating or tuning to a station's frequency before calling that station
- D. An automatic method for rapidly zero beating or tuning to a station's frequency before calling that station

5. What is transequatorial propagation?

- A. Propagation between two mid-latitude points at approximately the same distance north and south of the magnetic equator
- B. Propagation between points located on the magnetic equator
- C. Propagation between a point on the equator and its antipodal point
- D. Propagation between points at the same latitude

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DXCC Challenge Member Scorecard

A Reminder

Get Your Latest Contacts to the ARRL by June 27

We plan on publishing the annual listing of our member's standing in the ARRL DX Challenge Award in the July Newsletter. Members are urged to submit to the ARRL's DX Desk any contacts that they may have that have not yet been accepted by the ARRL. This can be done either through the Log Book of The World (LOTW) process or via a formal QSL Card submission via our card checker. Contact Steve Mollman-KD9HL (email KD9HL@arrl.net).

NOTE: Just because you have confirmations listed in your LOTW account does not mean that the DX Desk has accepted them for award credit. In the words of the ARRL, those contacts are "pending". You must make formal application for the award credit.

Members are urged to have their applications in the ARRL's hands before June 27, 2021 to ensure that there is time to process the application for the June 30, 2021 Scorecard cut-off.

The DXCC Challenge Award is earned by working and confirming at least 1,000 DXCC band-points on any Amateur bands, 160 through 6 meters (except 60 meters). A band point is earned by working and confirming a current DX entity in any mode on a single band. (You only get one point per entity per band regardless of the mode. Working a DX entity multiple times via different modes on the same band does not give you more

points-you only get one. Deleted entities do not count for this award. Only stations with over 1000 DXCC band-points are listed by the ARRL.

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ANNOUNCING
THE
NWIDXC
WORKED ALL CONTINENTS
CHALLENGE

By
Jerry Hess, W9KTP

This is a fun challenge for all club members during the summer months. The idea is simple, work as many of the six continents (except Antarctica) listed by the ARRL* between the June 18th meeting and our September meeting. There are no winners or losers. Just work as many as you can. One is acceptable. Please provide a log like the one below as record of your efforts by the time of the meeting (need not be present). The results will be listed in the October Newsletter.

For those of you that enjoy a bigger challenge, who can work all six continents in the shortest amount of time? You have three months to refine your number.

	DATE	TIME, Z	CALL	BAND	MODE
NA					
SA					
EU					
AF					
AS					
OC					
ELAPSED TIME					

* <http://www.arrl.org/files/file/DXCC/2019%20DXCC%20Current.pdf>

73's and enjoy the fun,
Jerry

DX LISTINGS FOR 6/2022

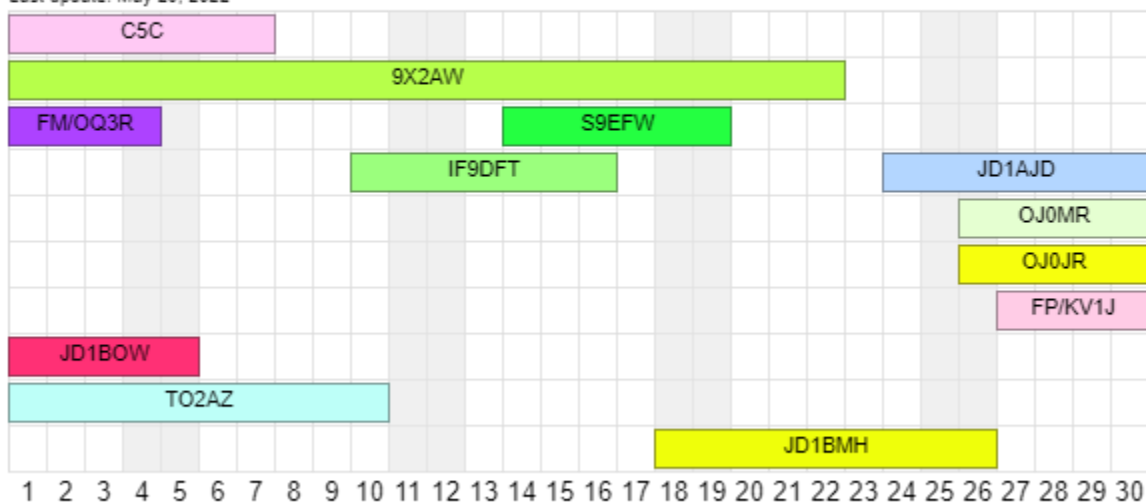
By

Jerry Hess, W9KTP



FEATURED DXPEDITIONS TIMELINE

Last update: May 25, 2022



Edited by MM0NDX

JUNE

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Handy Hint

By Steve Mollman-KD9HL

Aerosol Can Straws

Do you have a problem of losing the red straws on aerosol cans? You need to give something a quick blast into a tight area but the inevitable happens. You can't find the "Red Straw" that came with that can. Now it's back to the store to buy another can just so you can have another "Red Straw".



Where do they go? One rumor has them being stored in a warehouse at an abandoned Air Force base in Utah. This is the same place that supposedly has all of the socks that have gone missing after doing the laundry. Be that as it may be, there are a few things that can be done.

What to do:

1. When a new aerosol can is put into service, cut the straw in half and store it in a plastic baggie for use as a spare. Keep the baggie in your tool box.
2. If you are lucky enough to finish a can without losing the straw, save it and store it in that plastic baggie.
3. There are replacement straws available in various quantities from sources like Amazon and eBay.

Besides being available in the standard six inch length, vendors are selling longer lengths for winding into tight spots. A company called "Shopstraw" is selling a neon green colored straw that they claim if their straws are dropped in the tall grass, in the dirt and gravel, in a pile of leaves, or even in a dark engine compartment, you will always be able to see the straw due to the bright color.

Finally a note on the diameters of the tube. When buying replacement straws, be sure to read the comments of other users. It seems that aerosol straws are not of a standard diameter. WD-40 is often mentioned as having an odd size. A possible (untested) solution for oversize tubes, is to use a very fine sand paper to make the diameter smaller.

1. <https://www.amazon.com/spray-can-straw/s?k=spray+can+straw>
2. <http://www.shopstraw.com/>

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Do you have a Handy Hint that you would like to share? Contact Steve Mollman at KD9HL@ARRL.net

New ARRL DX Advisory Committee Central Division Rep Appointed

The Central Division has a new ARRL DX Advisory Committee Representative, K9EL-**John Sweeney** of Schaumburg, Illinois was recently appointed to the position.

The ARRL DX Advisory Committee, or DXAC, are representatives from each division for the DXCC program. One appointment is available in each division and appointments are made by the respective division director. Comments and suggestions for improving DXCC can be e-mailed to him at: John@k9el.com

John was originally licensed as WN9ELV in 1962 and has held various calls since then, including VE3ZYE and VA3CDX. He became K9EL in 1977. He has also operated as DX from numerous locations around the world. A telecommunications engineer, he retired from several companies including Motorola and Bell of Canada.

An accomplished DX'er, he has 355 entities confirmed and has earned the "Top of the Honor Roll" plaque.

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Links sent in by Tom, W8FIB

List of Solar Cycles

https://en.wikipedia.org/wiki/List_of_solar_cycles

How a Radial Engine Works - Explained Part 1 – YouTube

<https://www.youtube.com/watch?v=qjnQKXNPsk4>

Don't be put off by the title. The engine is made of Wood, yes Wood.

This is so cool, especially in Pt 2 when he runs it at a high speed. He gets an A+ in Woodshop 4. Make sure to see part 2. It will be listed on the right-hand side of the page.

WHAT YOU SEE



WHAT YOUR SPOUSE SEES



imgflip.com

Questions of the Month Answers:

1. B. Lightning protection. Group E0A: Safety: RF radiation hazards; hazardous materials; grounding
Question E0A01
2. A. 18.068 MHz. Group E1A: Operating Standards: frequency privileges; automatic message forwarding; stations aboard ships or aircraft; power restriction on 630 and 2200 meter bands.
Question E1A01
3. c. An Environmental Assessment must be submitted to the FCC. Group E1B: Station restrictions and special operations: restrictions on station location; general operating restrictions; spurious emissions; antenna structure restrictions; RACES operations. Question EB04
4. A. The often-prohibited practice of posting one's own call sign and frequency on a spotting network. Group E2C: Operating methods: contest and DX operating; remote operation techniques; Cabrillo format; QSLing; RF network connected systems. Question E20C2
5. A. Propagation between two mid-latitude points at approximately the same distance north and south of the magnetic equator. Group E3B - Transequatorial propagation; long-path; ordinary and extraordinary waves; chordal hop; sporadic E mechanisms. Question E20B1

From the Extra Class Exam Pool

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I have for sale items on the [w9joz.org](https://www.w9joz.org) For Sale Page.

<https://www.w9joz.org/forsale.htm>

John W3ML

If you have ham items for sale, email me a list along with prices and contact information. I will put it in the next newsletter.

I want to thank those that have been sending in articles for the newsletter. All items are appreciated.



Until Next Time,

73

John

W3ML

<http://nwidclub.weebly.com/>



DX

