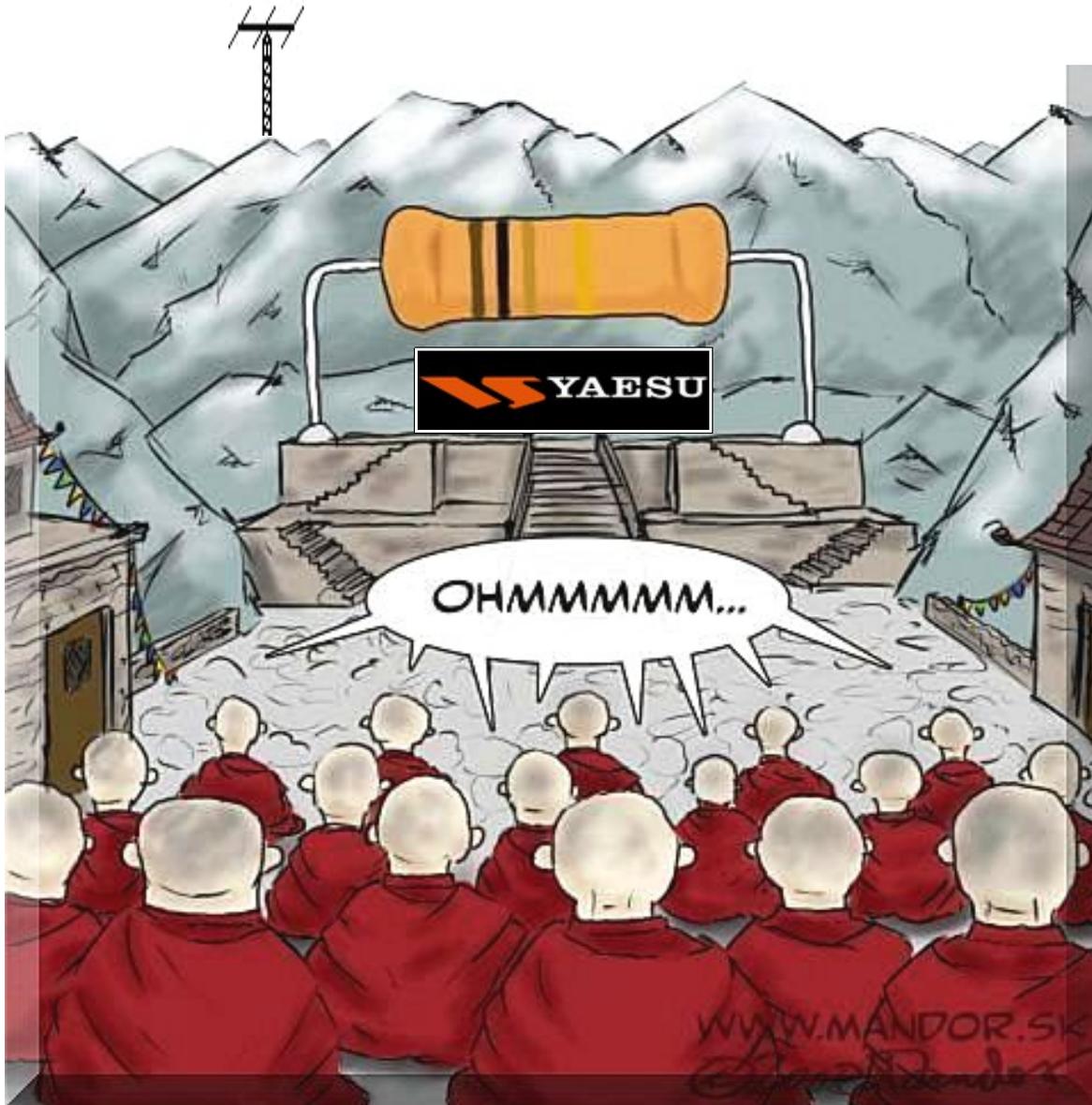


# Eastern Iowa DXer

July 2013



The July EIDX club meeting was called to order outside the campus of the Kirkwood Community College (KCC) in Cedar Rapids, Iowa. All members recited the EIDX Ohmmmmm color code mnemonic: *“Bad beer rots our young guts but vodka goes well - get some now”*.



 <h1 style="color: red; text-align: center;">Eastern Iowa DXer</h1> <div style="background-color: blue; color: white; text-align: center; padding: 2px;"> <i>An affiliated club of the American Radio Relay League</i> </div> <h2 style="color: red; text-align: center;">July 2013</h2> 	<p><b>Official Newsletter of the Eastern Iowa DX Association</b></p> <p><b>NØDX</b></p> <p><b>Established 1975</b></p>
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## Club Officers:

President:	Craig Fastenow	KØCF	<b>Packet Cluster:</b>	<b>WB8ZRL</b>
Vice President:	Jerry Rappel	WWØE	147.51, 144.91, WB8ZRL.no-ip.org:7300	
Secretary Treasurer:	Richard Haendel	W3ACO		
Repeater Committee:	Al Groff	KØVM	<b>Repeater:</b>	<b>NØDX/R</b>
	Joe Finkstein	WØMJN	144.59 / 145.19 (tone 192.8)	
Membership Committee:	Jim Spencer	WØSR		
	Tom Vavra	WB8ZRL		
	Nelson Moyer	KUØA		
Web Master Extraordinaire:	Jason Joens	KDØMND		

**Next EIDXA meeting:**

**Friday July 12<sup>th</sup>, 7:30 PM - *meeting will be in Rooms A-D of Iowa Hall, NOT Linn Hall.* Campus of Kirkwood Community College, Cedar Rapids.  
Program: Rich Haendel, W3ACO, will present a program on antenna modeling.**



[www.eidxa.org](http://www.eidxa.org)

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I hope you enjoy this newsletter. The views expressed in the EIDXA newsletter do not necessarily reflect those of the Eastern Iowa DX Association, or the editor. All newsletter contributions, comments and suggestions are welcome at [WWØE@q.com](mailto:WWØE@q.com).

Thanks in advance for your newsletter input.

~ WWØE ~

**President's Propagation, Pronouncements & Pontification****EIDX President *Craig Fastenow*, KØCF****DX Champions**

I am amazed at the number of real “DX Champions” among the membership of the Eastern Iowa DX Association. We are a relatively small Midwestern DX club, mired in the “black hole” of RF propagation, with just 74 active members as of this writing. ***Eleven of those 74 are #1 DXCC Honor Roll!*** These “magnificent 11” have achieved the pinnacle of DXing by having worked all 340 active countries on the DXCC list. We can be proud and honored to have them as our DX colleagues. They are (in the order listed on the DXCC Honor Roll):

- α KØCA, Cliff Ahrens
- α KØGT, Gary Toomsen
- α KØJGH, Glen Kesselring
- α K4VX, Lew Gordon
- α KUØA, Nelson Moyer
- α NA9Q, Mike Nowack
- α NYØV, Tom Vinson
- α WØAWL, Terry Cellman
- α WØNB, Jim Livengood
- α WØSR, Jim Spencer
- α WB8ZRL, Tom Vavra

Joining these 11 top DXers are another 5 who are on the DXCC Honor Roll, but below the #1 level. Those are (with their current country total in parentheses):

- α WØVX, Dave Jaksa (339)
- α WØGJ, Glenn Johnson (337)
- α KØIR, Clark Pantel (335)
- α WØCK, Jonathan Poulton (335)
- α KØCF, Craig Fastenow (333)

If I have missed anyone on this list, my sincere apologies! Please let me know if you should be listed here or in the lists below and I will correct it in the next issue of the newsletter.

Having only recently joined the Honor Roll, I have a deep appreciation for the effort it takes to achieve #1 DXCC Honor Roll. I am in awe of their accomplishment!

The above totals are for “mixed” DXCC, i.e. any mode or band. Here are the Honor Roll listings for Phone and CW modes as well. (No one from the club is on the Digital Honor Roll.)

### Phone

340 (#1 Honor Roll)

- α KØCA
- α KØJGH
- α KUØA
- α NYØV
- α WØAWL
- α WØSR
- α WB8ZRL

339

- α KØGT

337

- α NA9Q

335

- α WØNB

333

- α WØGJ
- α WØVX

332

- α WØCK

### CW

339

- α KØCA
- α KØJGH
- α NYØV
- α WØSR
- α WB8ZRL

338

- α KUØA

334

- α WØNB

333

- α WØVX

Not wanting to leave out anyone included on the ARRL's DXCC listings, here is the master list for all EIDXA members who appear on the Mixed, Phone, CW and Digital DXCC lists. This listing is in the same order as the published lists and the numbers include deleted entities. There are some awesome numbers here for total countries worked! (\* denotes Honor Roll member.)

### Mixed

*K4VX 366	*KØCA 349	WØWP 322	WØFG 230
*WØSR 361	*KØIR 348	W9EAA 311	KØINR 208
*WØNB 358	*KUØA 348	WWØE 310	KØFA 158
*WØVX 358	*KØCF 345	AKØM 304	WRØU 129
*KØJGH 356	KDØQ 342	KØAFN 302	N9CI 110
*NA9Q 356	KCØQ 338	NØSL 280	ACØXY 104
*NYØV 355	*WØCK 338	KA4PKB 278	WØWLL 104
*KØGT 352	K8OM 337	WØGWK 268	KDØMND 102
*WB8ZRL 352	KEØMO 336	KØAL 260	KIØWA 102
*WØAWL 351	KKØDX 327	KØVM 254	
*WØGJ 351	WXØY 323	K4RT 251	

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### Phone

*WØSR 360	*WØGJ 347	KDØQ 294	AKØM 205
*NYØV 354	*WØVX 346	WXØY 291	WØIM 204
*NA9Q 352	*KØJGH 344	KØIR 282	KØINR 180
*WB8ZRL 352	KEØMO 336	W3ACO 278	KØFA 153
*KØGT 351	*WØCK 335	KA4PKB 270	WBØLJK 136
*WØAWL 351	KØCF 321	K4VX 268	KØAL 128
*WØNB 350	KKØDX 316	WØGWK 263	WRØU 125
*KUØA 348	W9EAA 301	KDØHUC 250	N9CI 107
*KØCA 347	WWØE 295	KØVM 242	WØLBK 101

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**CW**

*WØSR 353	WØWP 317	KKØDX 235	KØVM 125
*WB8ZRL 351	WØAWL 309	W3ACO 235	NA9Q 125
*KØCA 348	KDØQ 304	WWØE 225	KØGT 121
*NYØV 347	WØCK 298	WXØY 208	KCØVKN 119
*WØVX 346	KØCF 287	WØFG 203	KP2/WØNB 115
*KUØA 345	KØIR 273	KØIS 148	KWØJ 100
*WØNB 345	NØSL 268	WØGXA 130	
*KØJGH 344	AKØM 261	WØGWK 127	
KCØQ 336	K4VX 240	KØINR 125	

---

**Digital**

KØCA 323	WXØY 214	W3ACO 145	NYØV 101
KUØA 314	WØAWL 196	KKØDX 134	
KØJGH 245	WWØE 149	KØVM 102	
WØVX 215	K8OM 146	WØWP 102	

Well, there you have it! Each and every ham who appears on these lists should be duly proud of your accomplishments. Congratulations to all. Keep looking for that next ATNO (all-time new one)! And when you have a hard time finding new ones, there is always the DXCC Challenge award for band-countries. The award begins at 1,000. Logbook of the World is great for adding new ones to this award without having to shell out the big bucks to get a direct QSL card.

At the upcoming meeting we need to discuss a date for the club picnic. (WWØE tells me that Universal Radio has donated some door prizes). Keep in mind that the W9DXCC convention is on September 21. It would be good to avoid a conflict with that event as some club members do attend W9DXCC. (It looks like a great event!)

Hoping to see everyone at the July 12th meeting!

73,

*Craig*, KØCF

“Now that's DX”



EIDXA Vice-President *Jerry Rappel*, WWØE

First things first - an expression of gratitude to Karin Blankenhagen KØEGQ, and Jason Joens KDØMND, without their help - you wouldn't be reading this newsletter right now.

Next EIDXA meeting:

Friday July 12<sup>th</sup>, 7:30 PM - **we are meeting in Rooms A-D of Iowa Hall, NOT Linn Hall.** That area is under renovation until later this fall and is currently not available to us.

From the desk of Tom Vavra, WB8ZRL - I recently checked some QSL cards for EIDXA President KØCF. The three 80 meter cards put him at 100 for 80M DXCC. It also means he has qualified for 5BDXCC, a major DXing milestone. Congratulations Craig!



The IARU Region 1 site reports that the Over The Horizon (OTH) Radar from Iran is on daily transmitting on the 10 meter-band, on 28245 kHz. You can hear a high and a low tone, corresponding to the sweep rates of 870 and 307 sweeps/sec. The system is about 60 kHz wide, sometimes jumping frequency, and the splatters are covering +/- 250 kHz.



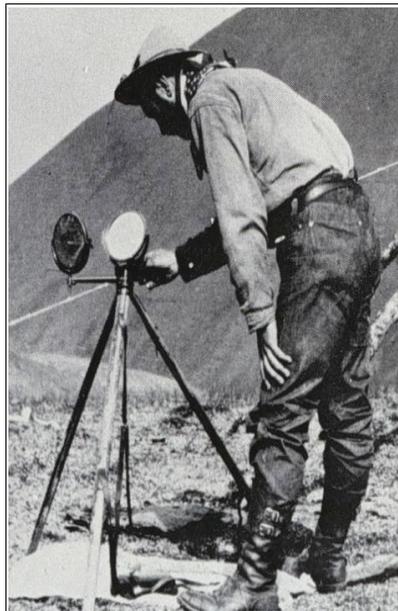
Sound file: <http://www.iarums-r1.org/iarums/sound/29000-iran.wav>.

(IARU website).

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H E L I O G R A P H

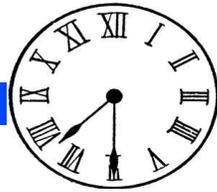
### DXCC Heliograph endorsement?

A Heliograph is a wireless solar telegraph that signals by flashes of sunlight (generally using Morse code) reflected by a mirror. The flashes are produced by momentarily pivoting the mirror, or by interrupting the beam with a shutter. The heliograph was a simple but effective instrument for instantaneous optical communication over long distances during the late 19th and early 20th century. Its main uses were military, survey and forest protection work. Heliographs were standard issue in the British and Australian armies until the 1960s, and were used by the Pakistani army as late as 1975. (Wikipedia)



*Jerry, WWØE*





Secretary/Treasurer *Richard Haendal*, W3ACO

**EIDXA minutes of the** Minutes of the EIDXA meeting April 12, 2013.

KØCF brought the meeting to order at 7:30 PM

42 hams answered the CQ call

Secretary's report of the January 2013 meetings minutes was read and approved. These minutes are also available in the April newsletter. Treasurer's report was read and accepted.

Main discussion was on EIDXA funding for upcoming DXpeditions. Initially there were three, VKØ, KH9 and FT5Z for consideration. We used the EXCEL spreadsheet to evaluate our choices.

After some discussion, the club decided to contribute \$100 to K9W (Wake) and \$600 to FT5ZM (Amsterdam) from club funds. Karin, KØEGQ, made a generous contribution of \$500 to EIDXA directed towards the FT5ZM DXpedition. W3ACO will transfer funds to these DXpeditions via his Paypal account.

Two new members were accepted into EIDXA. Jason, KDØMND and Bob WØGXA. (See Bob's "Member Spotlight" in this issue). Congratulations to our new members. We had one new application from Arlyce, NB9Q.

Next meeting is scheduled for July 12. Please look at the web page to see if there are any changes. KØCF mentioned the picnic. It was decided to hold it again in September but no date or venue was selected. The picnic will be addressed at our July meeting.

Program for the July meeting will be antenna modeling using EZNEC by W3ACO. This is the same software program used by the ARRL to show impedance and antenna patterns in QST.

The speaker for the October meeting will be Craig, K9CT. He will tell us all about his contest station. He has many pictures and is an excellent speaker. Meeting was formally adjourned at 8:15 PM.

Glenn, WØGJ gave a presentation on “Is 3 dB worth a Divorce”? His presentation combined a good sense of humor with good advice. Glenn also provided a few pictures of his new antenna field near Decorah, Iowa.

### **Rookie Roundup**

Over the last year or so, I’ve been giving thought to trying to keep our wondrous hobby alive. You don’t have to look far to realize that we are becoming an endangered species. I mean, who wants to learn all this stuff, take a test and get a license, then have to buy a radio and put up antennas with the hope of talking to distant lands, when we have Facebook, Twitter, and a wealth of online methods of communication that are easier, require little in the way of knowledge and experience, are far cheaper, and much more reliable? Furthermore, even if you DO find a new Ham in the world, how do you show him the thrill of DX and contesting? Enter the Rookie Roundup!

Karin and I have decided to begin hosting new operators for the ARRL Rookie Roundup contests, and we found our first operators this spring. Alan Kuefler, KDØPCP and Jeff Howington, ADØAK are a pair of new hams in the Cedar Rapids area, and came out to the NRØX station to participate in the April 2013 Rookie Roundup SSB contest, competing in the new Multi-op class. With 100 watts, and a few pointers here and there, these two got on the radio, and started making contacts in this short 6 hour contest. It was great to watch them work, and get a feel for the flow of things.

How did they do? When the dust settled, they had made 106 contacts, most of them on 20 meters with a few on 40, scoring 4,437 points, and scoring 1<sup>st</sup> place in Zero-Land Multi-op. Granted, with the new category, there was only one Multi-op entry for ZeroLand, but the only higher Multi-op score in the whole contest was N8HR Radio Club in Ohio, scoring 12,943. All in all, I’d say they did pretty well. Jeff and Alan had a great time, too!

Karin and I have since decided to continue to search for rookies to sponsor here at the farm. We think it’s really important to keep reeling in more people, and to keep our hobby and radiosport alive and kicking strongly. Next up is the Rookie-RTTY contest, on August 18<sup>th</sup>. And we hope to find another new guy to sit down at the helm, and win himself a contest!

Jason KDØMND

## Dayton 2013

This years attendance was 24,542. The weather on May 17, 18, 19 was sunny and humid, in the low 80's on Friday. Saturday was rain and overcast in the morning. It cleared up around 11:00 AM and had sunny skies with highs in the 70's. Sunday was also in the 70's.



Here are a few pictures from Dayton, one has Barry, WØIY selling from our NØMA radio farm spot. The K7IR shot is him demoing the new SteppIR DXpedition vertical. Tom, NYØV

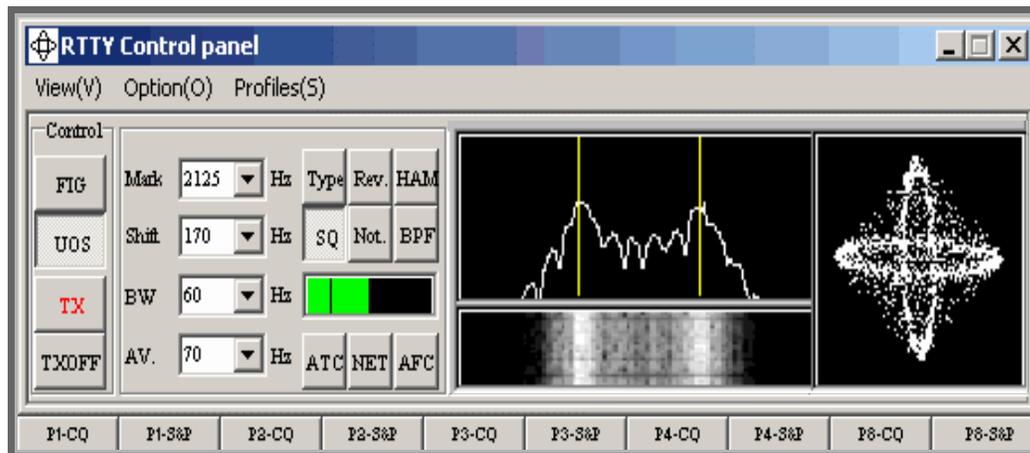






From Jason KDØMND... Took this after I woke up in the back of the truck. Just before 8 AM on Thursday morning.

## RTTY Corner - Jerry Rappel WWØE



## The latest DX digi-doings

**Dayton RTTY Contest Forum**

[rtty@contesting.com](mailto:rtty@contesting.com).

- ➔ For those of you like me - who didn't make it to Dayton, thanks to Larry K8UT, Mark N2QT and Mark K6UFO, the RTTY Contest Forum at Dayton was a great success. A summary of the one-hour RTTY Contest forum is posted at [www.w0yk.com/dayton\\_rtty.htm](http://www.w0yk.com/dayton_rtty.htm) - including PDFs of the presentations, a video of K8UT's presentation and a video demonstrating both 2Tone and Larry's Adaptive Receive applet. Charlie N5WE (ex-KI5XP) took an iPhone video of the entire session and it will be posted on that webpage shortly. Thanks to Larry K8UT, Mark N2QT and Mark K6UFO, the RTTY Contest Forum at Dayton was a great success. Ed Muns WØYK.
- ➔ If you think you may attend the Dayton Hamvention in 2014, take this short survey on potential RTTY activities there:  
<http://survey.hamdocs.com/index.php?sid=1368>
- ➔ Thanks to Charlie N5WE, a YouTube video of the entire RTTY Forum is now available at: <http://youtu.be/BgSBIkdcPio>.

SO HOW PRINT ?



- x Glen KØJGH: SU9VB, 9A2UZ, JD1BMH, SV5DKL, E75C, VR2XMT, T2YY, XRØRG, EV5ØWB.
- x Tom NYØV: TX5K, JY4CI, FH/DL7BC, 5WØM, ZK3N, 4Z65TL, VR2XMT, BD7IS, 9XØZM, FO/KHØPR, VK9NT, FO/KHØPR (FO/A), Y11RZ, 9V1DR, 9M2TO, BU2AW, RA2FF.
- x Joe K8OM: XW4WR, TG2M, T2YY, FH/DL7BC, 5WØM, ZB3R, ZA/IZ4JMA, JD1BMH, VK9NT, FO/KHØPR.
- x Jason KDØMND: 5WØM, 7O6T, 8Q7KP, A45XR, A65EE, CU3EM, E51E, FG5LA, FM5WD, JY4CI, OM3NI, PAS6NT, TX5K, W2WCS/1ØØ, XE1XOE, YO9HP, ZL9HR.

Thanks for the RTTY logs guys.

**RTTY the original "texting"**

## EIDX NEWS



## HEARD ISLAND

The 2015 Cordell Expedition

The Cordell expedition to Heard Island planned for 2014 and rescheduled for January 2015. The primary reason for this decision was the cost of using the preferred vessel, the Marion Dufresne to put the team on Heard Island for the required time. In spite of extensive negotiations and rescheduling of the cruise, it became clear that the cost of using this vessel will exceed \$1 million, and therefore the total cost for the project would be about \$1.5 million, as we noted earlier. In spite of our plan to increase the team size to 50 (which the M-D can accommodate) to partially cover this cost, we reluctantly concluded that sponsorship at this level would be impossible. We have therefore decided to delay the expedition to January 2015, to allow more time to restructure the project, locate a more suitable vessel, and bring the cost more in line with projected available resources. DX COFFEE



The Wake Atoll commemorative team's operation is progressing nicely. The two week "on air" dates are anticipated to start the last week of September or first week of October 2013. DX World.

**Member's Spotlight**



**WØGXA**

Our newest EIDXA member - Bob Lee



(Outside my favorite bar)

You all know how persuasive NØYY can be so... when I changed jobs six months ago and started working in the same department; I knew it wasn't a question of "if" but only "when" I would join EIDXA. I was born in Imlay City, MI in 1960 and my father moved us to Iowa in 1963 so he could work for the Collins Radio company as a lab tech.

We moved to our home between Mt. Vernon and Springville on my birthday in 1963 and I lived there until I went to college in Iowa City. I currently live outside of Ely, not far from Tom Vavra's house. I was licensed in September 1976 as WNØUBL. The test was administered by my Elmer, Don Swenson, WBØGXA, high school guidance counselor at Mt. Vernon. I always liked the rhythm of GXA on CW so that's why I picked my current callsign. Don wouldn't let me get a keyer and paddles until I could send and receive solid at 20wpm with a straight key. I spent a year in the Iowa Tall Corn Net passing traffic and contesting until I graduated to a set of Bencher paddles (I still use them) just before heading off to college. I quickly upgraded to General during a rare FCC visit to Cedar Rapids. Extra class came shortly after the VE program was started; Dave Hallock, WØSS being one of the examiners.

My first rig was a Heathkit DX-60B with an aftermarket VFO and a Heathkit HR-1680 receiver that I built. The aftermarket VFO got me my first OO card due to a little chirp in the lower end of 40m, so I upgraded to a Heathkit SB-401 transmitter/SB-303 receiver pair. I loved the SB-303...it was a nice receiver. I used these rigs until I was out of college when I purchased



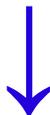
a Ten Tec Argosy. My current rig is a Kenwood TS-50. I've managed DXCC (144) with single band 15/10m using a pretty simple set up. I refurbished a TH6-DXX over the winter and with some help from Jason, should be up sometime early this summer. Next on the list will be a new radio... perhaps a K3.

I always liked contesting as a young ham but never did any DXing. My first exposure to DXpeditions was Clipperton through stories in QST, so when TX5K was announced, I wanted to ensure I worked them (I did). I graduated from Iowa with a BS in electrical engineering and moved to Indianapolis to work for the US Navy. I worked on the ELF and CVLF communications systems for boomers. I also did a side project to design a microprocessor based unit to replace a paper tape reader that is used to test missiles. I moved back to Iowa to work for Lefebure (banking equipment) in their electronic products group (ATMs, cash dispensers, alarm systems). We were owned by a Swedish company, so I took many trips to Stockholm. I left in 1989 to work for Collins in their Gen Av (business aircraft) division where I stayed until six months ago when I moved to the strategy development group (commercial systems). Twenty two of the last 24 years were in some form of project or program management role. In that time I've worked with customers in Sweden (SAAB), Israel (IAI), Brazil (Embraer), Wichita (Cessna and Beech aircraft) and numerous dealers in the US and Europe. One of my best bosses was Jim Spencer, WØSR.

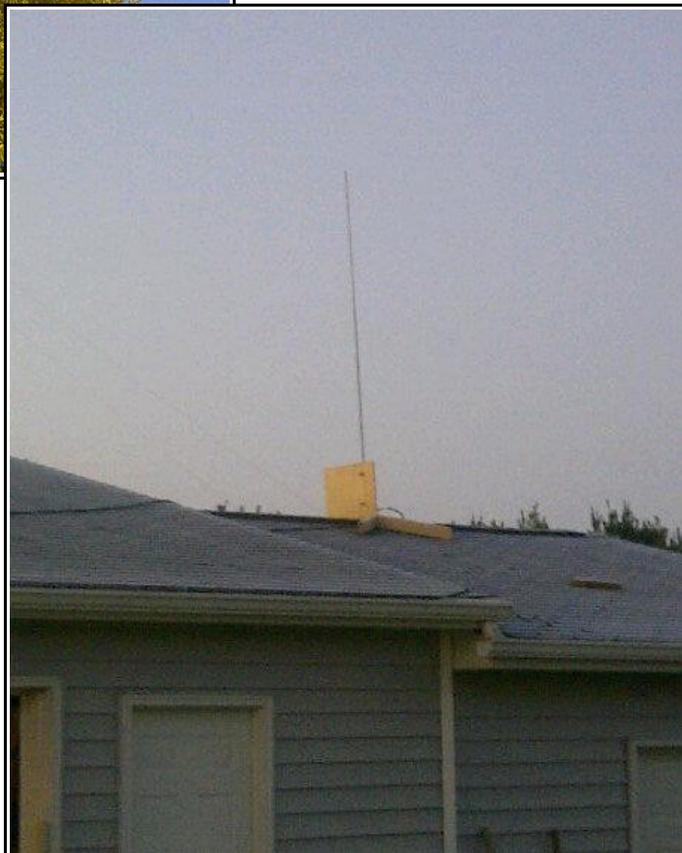
With all my time in Sweden and having lived in Austria in '77, I've learned German and Swedish. Learning about different cultures is as much fun as learning the language.

My current radio interests are DXing and contesting. I also have a cottage industry where I help non-US-based county hunters by activating counties they need in either a QSO party or a special trip.

My non-radio hobbies include riding my mountain bike, playing one of my guitars, and doing woodworking projects.



My inverted V farm and my 10m home brew vertical.



Bob Lee WØGXA

**Feature Story****WØGJ Antenna Party**

(Previously on the EIDX reflector) - On Thursday, June 6, I've rented a crane to install yagis on two rotating towers. WØAIH & I will be on the towers. If anyone is interested in seeing the new QTH and/or helping with a tag line, please contact me off reflector. Rain date June 7, then June 8. We are just off US 52 between Calmar & Decorah, about 2 hours north of Cedar Rapids.

73! Glenn WØGJ



Bare rotating Rohn 55G tower. KØXG rings and KØXG boom mounts. Second mount up from bottom is a TIC ring for independent steering of a SteppIR.



80M 4-Square: Full-size 1/4-wave verticals of Rohn 25G.



170' crane lifting 4-el 40M beam (50' boom, full-size elements)  
(M2 manufacturer)



40M beam mounted at 152ft.



4-el SteppIR going to 114 ft.



4-el SteppIR going on TIC ring at 78'



Inside the shack.

Thanks Terry Cellman for these pictures).



Tom WØWP arrived at Glen's QTH at 10am Thursday June 6<sup>th</sup>. The crane was just setting up. at 10:15AM the crane blew a hose line and that halted things until after lunch. This is a picture of the first antenna going up. It is a full sized 30 meter beam.

Here is Paul walking to tower #1. With this picture so you can get an idea of the ground conditions. If you think it looks a little muddy in the corn stubble you would be correct. Now you can see how the crane got stuck at tower #1 and how the left side of the crane's wheel sunk into the corn stubble about 8 inches when it tried to get into the correct position at tower #2.





We have the 4 element 40 meter beam. And on the ground in front are 3, 4 element Steppers that will go under the 40M beam.

Here is the 4 element Stepper going up and will be attached to the rotating tower below the 30M beam. They also raised a full sized 40meter dipole to the top of this tower. At this point we used several Bobcat buckets of gravel to get the crane unstuck and moved to the 2nd tower. Glen is putting up a full sized 4 element 40



meter beam at the top of this tower. By this time it was getting late, and the crane had sunk into the corn field far enough on the left side the operator didn't feel it was safe to try to lift antennas to that tower without getting additional planks under the crane's outriggers to continue.

This is the operator of Paul's tram. Note the foot switch that controls the tram's motor.



WØAIH has a tram system that raises him to the top of the tower. He is just clipping in to the tram in this picture.



The ham on the left of Glen is WØAIH. Paul Bitner. He is 79 years old and climbs towers like a 20 year old. That wrapped up a fun day at Glen's.

## Déjà vu - by Jerry WWØE

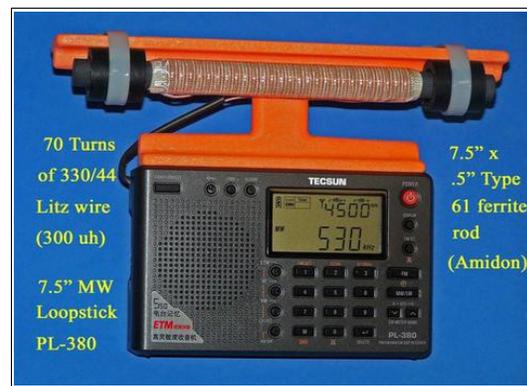
### Supercharging the Tecsun PL-380 DSP “Ultralight” Portable. Adding a 7.5” Loopstick transplant optimized for Medium Wave.

My first DX journey began with a GE - AM portable transistor radio, which I earned from my paper route at age 13. I began to tune the AM Broadcast band every evening during the Fall equinox, pulling in stations like CKLW, WABC, WLS, WOAI. A cover article in Popular Communications magazine a while ago re kindled my interest again. So I purchased a Tecsun model PL-380 AM/FM/SW/LW receiver.



The DSP enhanced AM selectivity of the **Tecsun PL-380** ↑ is impressive, but the loopstick of this breakthrough model certainly won't excite any Broadcast band DX'er.

So, according to the article, a modification must be made! The stock PL-380 loopstick antenna is capable of receiving AM Broadcast band DX with reasonable sensitivity. Tecsun uses a small and flat ferrite bar with a three-section coil.



The installation of the 7.5” loopstick transplant (as designed by Gary DeBock, N7EKX), provides an astonishing increase in the PL-380’s weak signal sensitivity for medium and long wave. As modified, the PL-380 DSP model has razor-sharp selectivity, providing a very competitive DXing package in a very small size. For DXpeditioners and traveling DXers, it is an example of the recent DSP advances in “Ultralight” radios, and an exciting way to enjoy exotic DXing throughout the year! Tecsun sells a variety of portable receivers, it is reported they sold 300,000 radios last year. (Courtesy Popular Communications magazine).

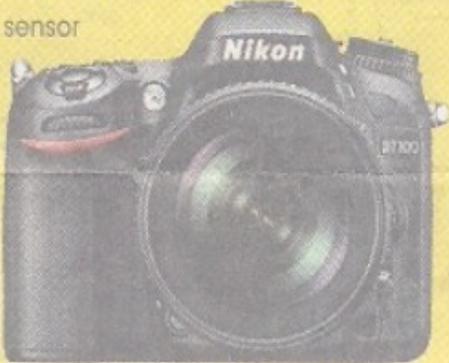
Thanks to Jason, KDØMND for doing the transplant work.

[http://peditio.net/utility/pdf/Supercharging\\_the\\_Tecsun\\_PL-380.pdf](http://peditio.net/utility/pdf/Supercharging_the_Tecsun_PL-380.pdf)

**NIKON'S BEST DX SENSOR CAMERA**

# NEW Nikon D7100™

- 24.1-megapixel DX-format image sensor
- NIKKOR DX- and FX-format lenses
- Full HD 1080p videos and ultra-smooth slow-motion or time-lapse sequences
- ISO 100 and up to ISO 6400
- 3.2-inch ultra-high-resolution 1,229K-dot LCD monitor
- 9, 21, 51 and 51 AF points
- Nikon Multi-CAM 3500DX autofocus sensor module with TTL phase detection



Body Only **\$1199<sup>99</sup>**

w/18-105mm VR Zoom Lens **\$1599<sup>99</sup>**  
Instant Savings **-100<sup>00</sup>**  
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Includes Nikon USA Warranty.



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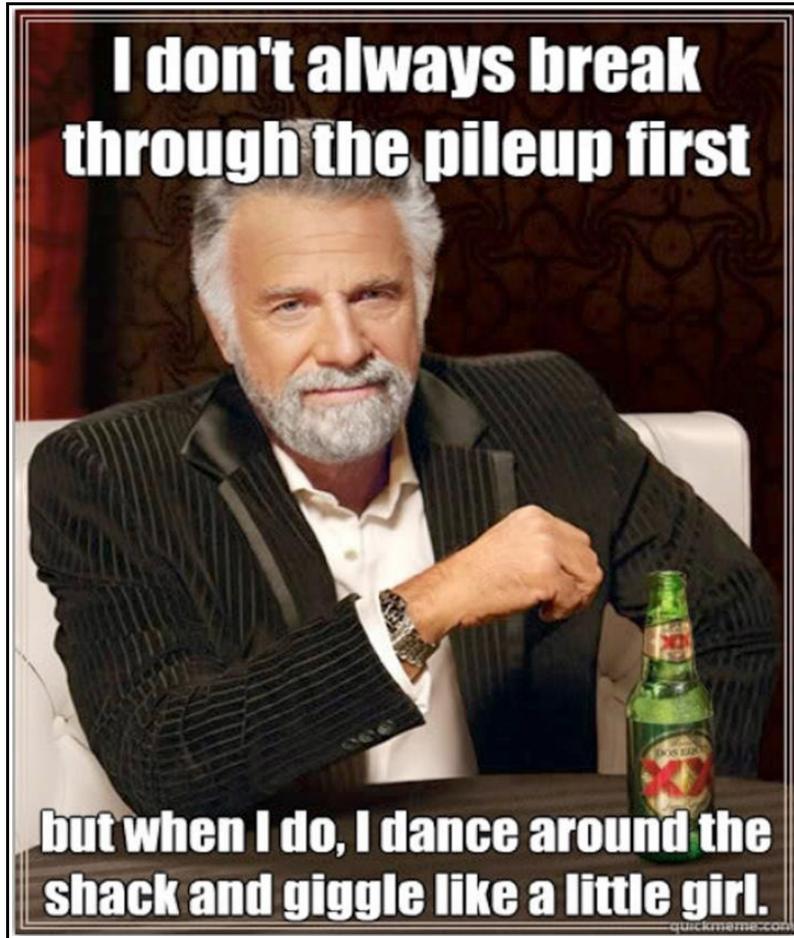
**Majestic**  
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Old time radio researchers



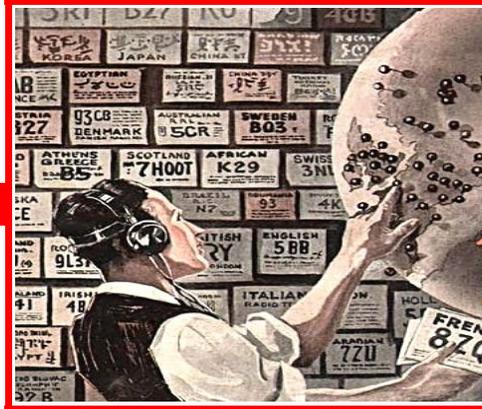
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From Joe – K8OM

|| PSE QSL ||



VOA Radiogram is a Voice of America program experimenting with digital text and images via shortwave broadcasting. The results of VOA Radiogram, indicate that, for use in analog amplitude modulated shortwave broadcasting, the PSK modes are good, the MT63 and Olivia modes very good, and the MFSK modes are excellent. MFSK has so far outperformed the other families of modes.

**Coming up in the October EIDX newsletter**

"The Ionosphere and what to do with it".  
 "Antennas and where to stick them".

*Thank You..* 

*Thanks to all the club members who contributed  
to this newsletter. Jerry WØDE*

### **DXCC Card Checking Is As Close as EIDX**

The club has another QSL card checker WØGJ, Glenn Johnson. If you look on the ARRL web site under searching for a checker, he shows up with a Calmar, IA address, but a MN phone number. If you look in the master list, he is still listed in MN.



EIDX members can get their DX QSL cards checked for DXCC credit from the following club members:

- ARRL Midwest Division Vice Director, and EIDX member, Cliff Ahrens KØCA attends EIDX meetings as his

schedule permits. You may also send your cards to him by surface mail. Contact Cliff via e-mail for more information and/or to make arrangements to check your cards: [KØCA @arrl.net](mailto:KØCA@arrl.net) or [cliff.ahrens@gmail.com](mailto:cliff.ahrens@gmail.com).



EIDX member Tom Vavra WB8ZRL. Tom is able to check any cards for DXCC. In addition he can check cards for WAS, WAC, and VUCC. Contact Tom via e-mail for more information and/or to make arrangements to check your cards: [wb8zrl@arrl.net](mailto:wb8zrl@arrl.net).

EIDX member Mike Nowack NA9Q. Mike attends EIDX meetings as his schedule permits. Contact Mike via e-mail for more information and/or to make arrangements to check your cards: [na9q@arrl.net](mailto:na9q@arrl.net).

## 2013 EIDXA Meeting & Events Schedule

Look for this information on the club web-page [www.eidxa.org](http://www.eidxa.org). Meeting information on the web site is up to date to ensure everyone has timely access to the information between newsletters.



*Solar Cycle 24, we hardly knew ye.*

**Next EIDXA meeting:**  
**Friday July 12<sup>th</sup>, 7:30 PM -**  
*meeting will be in Rooms A-D*  
*of Iowa Hall, NOT Linn Hall.*  
*That area is under renovation*  
*until later this fall and is*  
*currently not available to us.*  
**Campus of Kirkwood**  
**Community College,**  
**Cedar Rapids.**  
**Program: Rich Haendel,**  
**W3ACO, will present a program**  
**on antenna modeling.**

