

January-February 2011

"Ohio's First DXCC Field Checking Club"



The NODXA RAG



Fireside Chat With KB8NW

Fellow DX'ers,

Please let it be "Spring" already. I am sure the members in northern Ohio have had enough "Winter". I have never seen so much ice this year, but I am lucky enough to not have had any ice damage to the antenna. I hope you are in the same situation. However, if you have not heard, Janeen, W8ZET, NODXA's sponsor/hostess for the Dayton HamVention hospitality suite had a misfortune by slipping on the ice while getting her mail and broke her arm. The membership wishes her best and speedy recovery.



Well if you have not heard, another new country should be added to the DXCC entity list. The Southern Sudan will probably be added once again to the list, possibly under a new name. The Southern Sudan was deleted many years ago (I think in 1994) when it rejoined with Sudan.

Recently a referendum vote was taken for the separation of the Sudan and Southern Sudan, and an overwhelming majority of 90% of the people voted for another independent state. Currently, reports indicate that the Southern Sudan will declare its independence on July 9th. As I am writing this, two major DXpeditions (possibly more) are being planned to activate this new entity once the DXCC announces its decision on the status and start date. With this announcement, the DXCC total should go to 341. It will be interesting to see what this will do to the DXCC backlog.

March is about here and it is time to start thinking and planning for the Dayton HamVention which will take place in May (only two months away). Tickets can be ordered online. No announcements yet on what the forums will be, but they should be announced soon. Hope to see you at the next NODXA meeting.

73 and Good DX de Tedd KB8NW

"The Mission of the Northern Ohio DX Association is to promote and support Amateur Radio and the DX Community around the world."

Minutes of the November 1st, 2010 NODXA Meeting

The meeting was opened by the President, Tedd, KB8NW, at 7:32pm. There were 24 members and one guest present.



After a round of introductions, the minutes of the October 4th meeting were read. After a procedural modification, the minutes were approved as read.

The Treasurer, Mary, N8DMM, reported a balance of \$Ka-Ching! in the account. Mary noted that this balance did not include the check for the recently sold antenna rotor. The check is for \$629.95. The shipping charge for the rotor was \$55.

Pete, N8TR, reported that rotor control boxes are very expensive. Pete also reported that other equipment from the old VHF cluster site are being sold.

Tedd, KB8NW reported that the repeater is okay.

Dave, WD8IOU, reported that he has started the next newsletter.

Old - New Business

John, K8YSE, suggested that we buy a computer projector with the money from the sale of the rotor. John, K8YSE, moved, seconded by Ron, K8VJG, that the club purchase the projector and a screen for an amount around \$700. The motion passed.

Pete, N8TR, reported that he has DVDs from the Contest University, and that they are available if anyone wants to borrow them. Subjects include propagation, antennas, etc.

Tedd, KB8NW, reported that Ron Klukan, W8WH, had passed away. He also reported that Janeen's mother had passed away also. She was reported to be about 91 years old. A moment of silence was held in remembrance of both.

Dwaine, K8ME, commented about the coming time change back to Eastern Standard time and the local time when the ARRL Sweepstakes - CW will start. The official time is 2100z which is 5pm EDT. The contest ends at 0300z on Monday, which is 10pm EST on Sunday evening.

Tedd, KB8NW, reported that Tim, K3LR's contest station scored 21.9 million points in the recent CQWW DX-SSB contest. His nearest competitor was W3LPL with 19 million points. This reportedly the biggest CQWW DX-SSB contest ever. Pete, N8TR, reported that he had worked 39 of 40 zones in the contest. He missed zone 22.

Tedd reported that he had received a donation request from the 5-Star DX Association for their Christmas Island DXpedition, T32C, scheduled for Sep-Oct 2011. Dwaine, K8ME, moved, seconded by Karl, K8BCK, that we table the motion until January. The motion passed.

Tedd, KB8NW, reported that Jim Weaver's comments are his. He may be contacted at k8je@arrl.net. Tedd also reported that the much-maligned ARRL website was under further redesign. As for the Logbook-of-the-World, some love it, some hate it.

The Great Lakes Division website may be found at www.arrl-greatlakes.org.

Tedd reported that Marti Lane, OH2BH, is in Madagascar until next Tuesday. Kermadec is coming up in mid-November.

Tedd reminded everyone that the next meeting will be Dec 6th. This will also be our annual show-and-tell meeting.

The 50-50 raffle was won by Rick, K8ZH. The winning amount was \$20.

The meeting was closed by the President Tedd, KB8NW at 8:26pm.

Respectfully submitted, Al, N8CX Secretary

Minutes of the December 6th, 2010 NODXA Meeting

The meeting was opened by the President, Tedd, KB8NW, at 7:30pm. There were 13 members and 1 guest present.



After a round of introductions, the minutes of the November 1st meeting were read. After an editorial modification, the minutes were approved as read.

The Treasurer, Mary, N8DMM, reported a balance of \$Ka-Ching! in the account.

Tedd, KB8NW, reported that he and John, K8YSE, had purchased for the club a computer projector, screen and tripod for \$630. The money came from the recent sale of an antenna rotor and control box.

John, K8YSE, reported that he has an MLA-2500 Amplifier for sale for \$600. The package includes two extra 8875 tubes.

Tedd, KB8NW, reported that the repeater is okay and that some have actually heard people talking.

Dave, WD8IOU, reported that the newsletter was in progress.

Old - New Business

Dwaine, K8ME, reported that the Kermadec operation was considered a class operation.

Pete, N8TR, reported that the recent CQWW DX-CW contest was a great success. 10 meters was intermittent, but he got some good contacts.

Tedd, KB8NW, reported that Lee, KH6BZF, was predicting hi-normal propagation conditions for this weekends ARRL 10m Contest. Pete, N8TR, reported that the Mexican states are now multipliers as well.

Tedd, KB8NW, reported that he had received a donation request of \$250 from the Intrepid DX Group for a scheduled 10-day DXpedition to Afghanistan, T6PSE, in May 2011. Total estimated cost of the operation is estimated to be around \$105,000. Karl, K8BCK, moved, seconded by John, K8YSE, that the club donate \$250 to the operation. The motion passed. Tedd also reported a donation request from a DXpedition group going to Kokos-Keeling, VK9C/G6AY, from Feb 22nd to Mar 5th. No action was taken on the matter.

Ron, K8VJG, wanted to know if anyone had been to the January TUSCO hamfest in New Philadelphia.

Show-n-Tell

Each year, the December meetings program is a show-n-tell by the members. A brief discussion of each of the presenters follows.

Karl, K8BCK, showed a number of QSL cards sent to Orie Baumgardner, W8BF, SK. Karl bought them at a stamp auction years ago. The oldest was from 1922 and a photo card was from 1940. Another card from Jim Russell, W8BU, SK who's original call was 8BU was the first Ohio station to be heard in Europe. Jim also listened to traffic from the RMS Titanic. It is not known, however, if he was listening as the ship sank. Karl also showed some stamps that DX stations had used on their QSL cards to Orie.

George, K8KR, showed a Grundig table-top tunable circular loop antenna that he had purchased. He commented that the reception while DXing the AM broadcast band was amazing. George also showed a piece of the original decking from the U.S.S. Cod, a WWII submarine that was involved in many battles and received many decorations while serving in the Pacific. George participated in the

replacement of the decking some time ago.

John, K8YSE, showed a center insulator from Tedd, KB8NW's 80-40 dipole. The object was to show how rust can get into anything! John also showed some European envelopes that are available from William Plum. Plum had them made as a pair where one fits inside the other. This facilitates including a self-addressed-stamped-envelope for a return QSL card. John then showed his old Lafayette HE45A 6 meter AM radio circa 1962. This radio could use either a crystal or a plug-in VFO. John used the radio in his parent's car.

John, K8YSE, further commented on not being able to LoTW files to another computer. It was discovered that one needs a special program to transfer .P12 files.

Brian, K3USC, reported that there was a lot of equipment for sale from the estate of W4CID SK, who lived in Kirtland.

Tedd reminded everyone that the next meeting will be Jan 3rd, 2011. There was no 50-50 raffle this evening. The meeting was closed by the President Tedd, KB8NW at 8:58pm.

Respectfully submitted, Al, N8CX, Secretary

Fractal Antennas: Hype or Hope? By Dan Romanchik, KB6NU

QRZ.Com currently has a very interesting item on fractal antennas (<http://forums.qrz.com/showthread.php?t=277623>). While the idea of applying fractals to the design and construction of antennas has been around for quite some time, very few hams have actually built them, and there are currently no companies building commercial fractal antennas for the ham radio market. The question, of course, is why?



Those that are hyping fractal antennas—most notably W1YW, CEO of Fractal Antenna Systems—claim several advantages. These advantages purportedly include wider bandwidth and smaller size when compared to traditional antennas, such as verticals and dipoles. Those that are trying to debunk these claims contend that this is all just hogwash, and that there's no real scientific basis for these claims.

One thing that's confounding this debate is that there have been very few articles published on the topic. For commercial reasons, W1YW has made his articles unavailable. He says that he will be publishing something real soon now, but there is nothing definite at this point.

There is at least one article on the Internet that describes the construction of a fractal antenna for amateur radio use. "FYI:FYQ: Another look at the Fractal Quad Yagi" (<http://www.scribd.com/doc/18788401/FYIFQY>) was published in the October 1999 issue of 73 magazine. It describes the construction of a two-element, 10m antenna. Like most 73 articles, it's not incredibly technical, though, and doesn't really contribute to the technical debate, except to demonstrate that physically small antennas can be made using fractal design.

The PDF contains several photos of the antenna. It's a crazy contraption that looks relatively difficult to build. So difficult, in fact, that it makes me wonder if it's even worth it to try building one. After all, 10m antennas are not really all that big or all that difficult to build to begin with.

Even more interesting than the antennas are the personalities on both sides of the debate. The QRZ.Com discussion quickly devolved into a flame war, with neither side scoring a knockout.

Personally, I think the brouhaha is much ado about nothing. It seems to me that it's been demonstrated that you can build antennas using fractal design techniques. They are physically smaller than traditional antenna designs, but you really don't get something for nothing. Overall, they don't have as much gain as yagis or quads, and they're more complex to build.

My opinion on this is that if W1YW can build antennas that radiate a signal and can sell those antennas to someone, then more power to him. In the end, his company will live and die by how well,

his antennas work and how much they cost when compared to antennas from other companies.

As for me, I think I'll stick with the more traditional HF antennas. If I need to make my antennas smaller, I'll use loading coils or designs such as the Moxon. I may not be on the bleeding edge of technology, but I'll certainly avoid a lot of headache trying to figure out who's right.

Ohio SSB Net Returns to Regular Net Times By Frank Piper, KI8GW, via K8ME

Beginning Monday, February 14, 2011 the Ohio Single Sideband Net (OSSBN) will be returning to the regular time of 6:45pm local time for the evening net.

OSSBN meets 3 times daily, 365 days per year on 3972.5 kHz. Net times are 10:30am, 4:15pm, and 6:45pm local time.

OPDX 20th Anniversary Special Event Station By David Autry, WD8IOU

NODXA President, Tedd, KB8NW, has been publishing the Ohio/Penn DX Bulletin for twenty years! On February 28, 2011, Tedd published DX Bulletin #1000! What started out as a small bulletin for local hams has grown to over 3200 subscribers worldwide and is read via the internet by many thousands more.

To commemorate this remarkable achievement, I am organizing a special event station. I have never done this before and everything is in the planning stages right now. I would like to ask membership for help in planning, organizing, and operating the special event station.

Initial thoughts is that we would use the NO8DX club call with the /20 suffix. The operation will take place March 11th through March 13th. Multiple stations could be used and there would obviously have to be coordination for the time, band, and modes.

It would be great if someone with graphic artist skills could design a custom QSL card or certificate.

I will be talking more about this at the March 7th club meeting. If you have a question, suggestions, or would like to help, please send me an email at wd8iou@adelphia.net or call me at (440) 238-0417.

ARRL Outgoing QSL Service New Rate Structure By ARRL News

Effective January 17, 2011, a new pricing structure will go into effect for the [ARRL Outgoing QSL Service](#). With the new rate structure, amateurs will no longer need to count outgoing cards and then guess as to what to pay based upon a half-pound rate; a simple weighing of the cards is all that is necessary to determine what amount to send to the Bureau. This new structure also accommodates a small rate increase in response to recent postage, shipping and handling costs.

The last rate revision for the Outgoing QSL Service was in January 2007. Even though international shipping costs have remained flat over the last 4 years, domestic shipping costs have risen more than 16 percent since 2007, while material and handling costs continue to climb 1 to 2 percent each year.

The new rate will be:

\$2 for 10 or fewer cards in one envelope.

\$3 for 11-20 cards in one envelope, or

75 cents per ounce, for packages with 21 or more cards. For example, a package containing 1.5 pounds -- 24 ounces, or about 225 cards -- of cards will cost \$18.

If you have any questions concerning the ARRL Outgoing QSL Service or the rates to use the service, please send them via e-mail to buro@arrl.org.

Beacon Indicators for Propagation Clues By KH6BZF, ex-K8HQR

Just what propagation clues do you know or realize to aid you in your DX hunt?

How many of you tune in to WWV/WWVH time ticks on 2.5, 5.0, 10.0, 15.0 and 20.0 MHz for band openings? On WWV (Fort Collins, CO) @ 18-mins past each hour there is a NOAA/ SESC announcement of Solar Flux Index (SFI) and K-indices up dated every three hours, i.e. 00, 03, 06, 09, 12, 15, 18, and 2100 hrs Universal Time Coordinated, (U.T.C.). On WWVH (Hawaii), on the same above frequencies minus the 20 MHz frequency, @ 45-mins past each hour with the same recorded SFI information as on WWV.



There are a list or global time beacons such as JJY, in Japan, China and several European station transmitting on the same frequencies as WWV/WWVH.

Now, the Northern California DX Association (NCDXA) has a global beacon system, all time slots are locked in via GPS, that transmits on the HF bands of 14.110, 18.110, 21.110, 24.920 and 28.110 MHz with callsigns of each country. Go to www.google.com and search on NCDXA beacons to note each callsign to know u what station is open. Sorry, there are no NCDXA beacons on the lower band. However, on 160 and 80 meters, old timers have told me that they listened to static crashes from lightening west of their station to determine possible band openings to the west of their locations.

BTW, here in Hawaii we have mild lightening, as Mainland weather (WX) yields continental static over land. Lightening is now being investigated at by scientists as little is known as to what drives lightening. Watch TV stations as A&E and the History channels for these scientific programs on lightening.

The best band beacon on the radio is, "if they are heard, work'em."

Now, to save space herein, "G3USF Worldwide List of HF Beacons" list many amateur band beacons.

Go to: <www.keele.ac.uk/depts/por/28.htm> This will printout eight pages of beacons. Another good site for propagation information is <http://dx.qsl.net/propagation>.

Well if you a particular beacon to share with me. I am at leewical@aol.com. I can share your observation's with the group in my next article. Remember two things, "Expect to unexpected and the expected!" And Secondly, "Here'em, work'em!"

ALOHA, KH6BZF REPORTS

Help Us Keep the 440 MHz Band By Jim Weaver, K8JE, ARRL Great Lakes Director

Your prompt help to defend one of our amateur bands is urgently requested. Please read and follow through on the requested action.

You may have already heard that our 440 MHz band is being attacked by a bill introduced into the US House of Representatives. In its current form, HR 607 would take away the 420-440 MHz segment that is presently allocated to Amateur Radio on a secondary basis as our 70 cm band. Along with certain other segments not allocated to Amateur Radio, the 420-440 MHz segment would become part of a spectrum "give back" involved in allocating 758-763 and 788-793 MHz for a Public Safety broadband network.



The concept of this network has merit. Everyone wants first responders to have the radio systems they need in order to protect themselves and us. However, there is absolutely no need to take our 440 MHz band in making it happen. We need to let our US Representatives know we oppose the current form of HR 607.

To let your US Representative know you oppose the present bill, go to <http://www.kd4pyr.net/hamletter.htm>. Insert your call sign where indicated and follow the simple instructions. The name and address of your US Representative will automatically be put into the letter, as will your name and address. It will be ready to be printed and signed.

IMPORTANT: Please be sure to observe the following once you have printed your letter:

- Be sure to sign it. Letters without a handwritten signature are not effective.
- Signed letters can be sent by fax or postal mail. They can also be scanned into PDF format and e-mailed as a file attachment. Postal mail: John Chwat, Chwat & Co., Suite 103, 625 Slaters Lane, Alexandria, VA 22314. E-mail: john.chwat@chwatco.com. Fax number: (703) 684-7594.
- Do not send this letter or any letter about HR 607 to your US Senators at this time. The bill is only in the US House of Representatives. Letters sent on HR 607 to US Senators will merely waste their time and demonstrate lack of knowledge of how our system of government works.

WHY SHOULD the letter be mailed to John Chwat? There are two reasons. First, all postal mail to members of the US House (and other government bodies) is delayed 6 to 8 weeks in being searched for hazardous materials that may be included in them. Second, Mr. Chwat will increase the value of your individual letter by combining it with others and delivering the stack of letters directly to your Representative's office. This manner of delivery makes a particular impact on our Congressmen.

If you feel it necessary to mail your letter directly to your Representative, do it. However, please also send a signed copy of it to Mr. Chwat for the reasons outlined above.

For your information, the letter generating utility will be open for use by any US amateur for at least a couple of weeks.

Thanks for your help and support in this important effort. Please let me know if you have any questions or suggestions.

73,

Jim Weaver, K8JE, Director
ARRL Great Lakes Division
5065 Bethany Rd.
Mason, OH 45040; Tel. 513-459-1661
ARRL, The national association for Amateur Radio

KH6BZF REPORTS on Propagation By KH6BZF, ex-K8HQR

Last NODXA issue I wrote about the NOCALDXA/IARU World Wide beacon system clocked by GPS receivers controlling T-50 transceivers to 100, then 10 then 1 watt transmissions followed by that beacon's callsign. i.e. W6WX or KH6WO etc.. Now, how does one check his/her propagation?



First, go to <http://www.ncdxf.org/beacon/intro.html> for more information on beacon operating frequencies 14.100, 18.110, 21.150, 24.930 and 28.200 MHz.

Now, the International Amateur Radio Union (I.A.R.U.) does not support beacons on the Low Bands, i.e. 10, 7, 3.5 and 1.800 MHz bands.

G3USF'S world wide list of low band beacons, which is not sanctioned by the I.A.R.U. is located at: <http://www.keele.ac.uk/depts/por/28.htm>

So, you'll have to listen to WWV, Ft. Collins CO and /WWVH, Kekaha, Kauai Island. Hawaii during the late afternoon and into late evening for band openings on frequencies or 2.5, 5.0, 10,15, 20 and 25.0 (Ft. Collins, CO only during high sunspot levels) MHz frequencies.

On these same frequencies Japan's JJY operates as well as the Chinese time station. Of course the is Canadian's CHU time and frequency stations at 3.333 MHz, 7.850 MHz (both night time freqs,) and 14.670 MHz (your daytime propagation).

Some stations in Europe have written that they listen for CHU's high frequency as or a beacon for North America openings!

Of course there is always <http://iaru.org/articles> for you peruse for additional information.

Also check out openings using <http://dx.qsl.net/propagation> and <http://www.sesc/noaa.gov> for additional band and propagation intelligence for your station.

Next, you will have a start for you to have a good understanding of High Frequency radio propagation and thus you'll have a better understanding for working DX and for that one station and its QSL for another entity in the DXCC chase to Honor Roll, the ultimate.

You can go to www.google.com to gain much more inelegance to air your station.

I maybe preaching to the choir, as you may know some but maybe not all DX, HF propagation tricks. But, the "newbe" Amateur may put these suggestions to their mental tool box for the "Hunting game."

Now, lets discuss some propagation programs. Ham are reasonable thrifty (AKA Cheap) and would like some freeware for their computers. Well, let's see several additions to your station's intelligence arsenal.

There is a lot gained by freeware programs because it is cheap! One software freeware as VOACAP was developed by Voice of America for the U.S. Government and is now resides in the public domain for its non-commercial use. It is a rather cumbersome program in its use but here it is for what it maybe worth to you: <http://www.g4ilo.com/voaprop.html> its the old benefits vs. difficulty game.

However, VE3NEA has another program that is a useful computer engine for your use. That program may be found via www.google.com.

Next, is another freeware by W6EL. His propagation program has a bounty of simple straightforward information: See www.W6EL.com or via <http://qsl.net.w6elprop>. So, if it is free for downloading, what are you waiting for????

Oops, there is another VOACAP Online program as: <http://voacap.com/predictions.html>

Now, I am sure old timers and Elmers may have other "Hints and Hinks" freeware they can E-mail me to share it for another future article.

I hope this information has been beneficial to you and I would like to hear fro you. You can reach my E-mail address: leewical@aol.com or leewical@lava.net or both.

One last item. Listen to WWV at 18-mins past each hour or WWVH at 45-mins past each hour for the latest Solar Flux Index (SFI) and three hourly Alpha indices updates.

Again, Google things that spur your curiosity.

Until our next get together....

ALOHA Lee, KH6BZF ex-K8HQR (Mentor, OH)

W8WH, SK By David Autry, WD8IOU

It is with great sadness that I must report the passing last December of NODXA club member Ron Klukan, W8WH. Ron was an active DXer, and a dedicated club member who attended most meetings. Ron was instrumental in supporting the NODXA hospitality suite at the Crowne Plaza during the Dayton Hamvention. He will be greatly missed by all.





HAMFEST 2011



TOLEDO MOBILE RADIO ASSOCIATION

Toledo Radio/Computer/Electronics Hamfest

March 20th 8:00 am - 2:00 pm

Same Location as 2010

Owens Community College – Student Health and Activity Center
30335 Oregon Road
Perrysburg, OH 43551

Talk-in: 147.27+

This Huge Hamfest is Indoors and Security is Provided!

On Campus Parking is Free and Close to the Hamfest!

Tables are \$20.00 (floor) \$25.00 (wall) All tickets are \$6.00

**INFORMATION ON FORUMS, VE TESTING AND
TABLE APPLICATION FORMS WILL BE ON OUR
WEBSITE - www.tmrahamradio.org**

**SEND REQUEST FOR TABLE APPLICATION FORM and/or TICKETS TO
TMRA, P.O. BOX 9673, TOLEDO, OH 43697-9673
Please include a SASE for tickets**

PRIZE DRAWINGS

2:00 PM \$500.00 CASH PRIZE (NEED NOT BE PRESENT TO WIN)

NOON \$250.00 CASH PRIZE (MUST BE PRESENT TO WIN)

9:00 AM, 10:00 AM and 11:00 AM \$100.00 CASH PRIZE (MUST BE PRESENT TO WIN)



2011 ARRL ROAD TRIP

ARRL Headquarters, Newington, CT



ARRL HQ front entrance

The Cuyahoga Amateur Radio Society is organizing a bus trip to the ARRL Headquarters, if you have never visited the ARRL home you are in for a treat. Monday July 18 there will be a guided tour of the League HQ, you will meet the ARRL staff, view their Museum quality displays of old equipment, see how the QSL bureau and other departments work. You can bring QSL cards to be checked for DXCC, WAS, or VUCC submissions, just bring your cards with completed applications.

You will also have an opportunity to operate one of the W1AW stations located in 3 studios, both morning and afternoon sessions will be available, you must bring a copy of your license to operate.

The ARRL bus will be leaving on Sunday July 17, 2011 and return on Tuesday July 19, 2011. The cost of the trip is \$275* per person and includes: Trip up and back on a 55 passenger bus, two nights lodging in Newington, CT, Double occupancy on rooms, free breakfast at the hotel, bus driver's room and gratuity. There will be stops both up and back. You are responsible for your food costs. ***This Bus trip must be purchased and paid for no later than June 16, 2011.***

The bus will leave at 5:00 am from the Kmart parking lot at the intersection of Engle and Bagley Road, in Middleburg Heights, Engle road is ¼ mile West of I-71, Kmart is behind the AM/PM gas station.

Every Amateur radio operator should visit your ARRL HQ, no more excuses! Sign up for this unforgettable trip NOW. Every one is welcome, members, non members, family and friends.

If you have any questions please contact Dwaine-k8me at a CARS meeting or e-mail: k8me@sbcglobal.net, or go to www.2cars.org and click on the ARRL Road trip bus link, you can pay using PayPal or by check mailed to: CARS, P.O. Box 31264, Independence, Ohio 44131-0264 attn: ARRL bus.

73, Dwaine, K8ME and bus committee

* If we do not meet a 30 person minimum your money will be refunded in full.



W1AW transmitter building

Go to www.2cars.org to reserve and pay for your 2011 Dayton Hamvention Bus Trip



CARS is again sponsoring a Bus trip to the Dayton Hamvention, the 2011 bus trip will take place on Saturday May 21.

The Bus trip will cost \$40.00 dollars per person, the bus will be stopping for breakfast on the way down, with a brief stop on the way home for a quick bite. You are responsible for your food and Hamvention ticket costs.

Stop 1: The bus will leave promptly at 3:30 am from the Kmart parking lot at the intersection of Engle and Bagley Roads, in Middleburg Heights, Engle Road is a 1/4 mile west of I-71, Kmart is behind the Gas station. Vehicles will be safe, there will be security.

Stop 2: The bus will also pickup riders at I-71 & Rt 303 at the SE corner of the Kmart parking lot and will depart for Dayton at approximately 4:00 am. When ordering tickets please tell us which stop you will be at.

Bus tickets must be purchased and paid for in advance. The bus was sold out in 2010 so reserve your seats as early as possible.

If you have any questions please see Dwaine at a cars meeting, call 440-582-3462 or go to www.2cars.org and click on the Dayton Bus trip link to pay using PayPal. Checks can be mailed to: CARS, P.O. Box 31264, Independence, OH 44131-0264 attn. Dayton bus

73, Dwaine, K8ME and the Bus Committee



Meeting Information

NODXA Meetings are held the first Monday of each month at the *Gourme Family Restaurant* at 15315 Pearl Road (Rt. 42) just west of Interstate 71 and south of Rt. 82 in Strongsville at 7:30 PM. Come early and have dinner and meet your fellow DXers and enter the 50/50 raffle.

NODXA Information

NO8DX: Special Event Callsign
 W8DXA: NODXA Repeater 147.360

Web-site: <http://www.papays.com/nodxa.html>
 Newsletter Submission: wd8iou@adelphia.net

NODXA Club Officials for 2010-2011

President:	Tedd Mirgliotta, KB8NW	(440-237-2816)
V. President:	Dwaine Modock, K8ME	(440-582-3462)
Secretary:	Al Moriarty, N8CX	(216-221-3682)
Treasurer:	Mary Michaelis, N8DMM	(440-236-5426)
Newsletter:	David Autry, WD8IOU	(440-238-0417)



DXCC Info

As of January 2011, the current DXCC Entities total is: **340**.

NODXA Application and Renewal Form

The Northern Ohio DX Association is a non-profit organization with a primary interest in DXing. We encourage all DXers to join our group and share the interest and fun of DXing.

Please complete the application below and send along your appropriate dues or renewal to:

NODXA, P.O. Box 361624 , Strongsville, Ohio 44136

First Time Membership/Renewal (U.S. and DX) \$20.00

Name _____ Callsign _____
 Address _____
 City _____ State/Prov. _____
 Country _____ ZIP _____
 E-mail _____
 Telephone _____
 ARRL Member? _____ Exp. Date _____ DXCC Member? _____
 Special Interest _____

Newsletter Contributors

Thanks to the following for their contribution to this months edition: N8TR, N8DMM, KB8NW, N8CX, K8YSE, K8ME, KB6NU, KH6BZF, W8GC, W8JE, W4WX, and ARRL News.