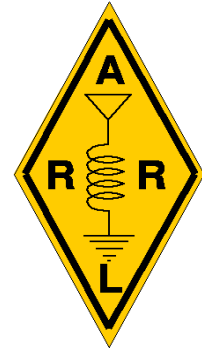


September-October 2008

"Ohio's First DXCC Field Checking Club"



The NODXA RAG



Fireside Chat With KB8NW

Fellow DX'ers,



This "Fireside" is called "Something to Think About". Something happened early October that got me thinking and hoping it does happen to me. Another NODXA DXer/Elder is off the air. Stan, K8VI (many probably remember him as K8YVI), has had his station completely taken down (basically) due to health reason and age. This is the second NODXA DXer/Elder member who has had to have his station taken apart within the last couple of years due to age/health (John, W8BE, was the last). A team of NODXA members (which included Dennis/K8LBT, Dwaine/K8ME, John/K8YSE, Mary/N8DMM, Pete/N8TR, Dave/W8DIOU and myself) took down Stan's tower and antenna system the first Saturday in October. The sad part of it all was Stan could not be there to see it happen due to his health conditions.

It was probably for the better because I know how much Stan loved the hobby and the chase for DX. It would have been hard to see everything disappear in one afternoon. I know how I would have felt, and I hope I never have to go through it. I hope this doesn't sound morbid, but usually you hear hams become "Silent Keys" first and then there is an estate sale. Anyway, Stan, always a dedicated DXer and NODXA member, is currently at an assisted living housing complex. He was always very involved with the club and its members, giving his input and helping others with his computer skills. It is good to know that he is still with us, but I will miss his big signal from the airwaves, especially his "Victor India" in the pile-ups. I am also sad to know that my good friend will no longer be able to play radio.

Lastly, I would like to remind everyone that some new DXCC entities will probably hit the airwaves in mid-December. They should be easy because they are in the Caribbean. Also, I would like to wish everyone a great and safe holiday season coming up. Hope to see you at the next 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 August 4th, 2008 NODXA Meeting

The meeting was opened by the President, Tedd, KB8NW at 7:38pm. There were 16 members and 1 guest present. After a round of introductions, the minutes of the July 7th meeting were read. The minutes were approved as read.



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

Tedd, KB8NW, reported that a thank you card was sent to Sr. Mary Grace for use of the Field Day site. Mary, N8DMM, also reported that she had sent a donation of \$100 to Sr. Mary Grace for the landscaping fund.

Tedd also reported that the repeater was running okay.

Glenn, AF8C, reported that the cluster was running okay as well.

Dave, WD8IOU, reported that the newsletter is in progress and will have pictures of Field Day.

Old-New Business:

Tedd, KB8NW, reported that the club will have a table at the Cleveland Hamfest, Sep 28th.

Dwaine, K8ME, reported that CARS will try to have a bus to Dayton next year. Dwaine and CARS are heading up the project.

Tedd, KB8NW, passed around a membership dues reminder letter that will be mailed out now and in the future. Tedd and Pete, N8TR, will coordinate the mailing.

Tedd, KB8NW, reported that he had received a donation request from DL7UFR, Frank, for an upcoming Dxpedition to Botswana from Sep 23rd to Oct 6th. There will be 6 operators: 5 Germans and one Polish. No motion was entertained at this time.

Tedd, KB8NW, reported on the possible club t-shirts. The former price was an introductory price and now it has almost doubled. Tedd said he will send out an email so that interested members could order one. The website for the t-shirts is queensboro.com. Tedd also reported that Willis Island will be upcoming and the Ohio QSO Party will be on Aug 23rd.

Al, N8CX, reported on the probable new location for next years NOARSfest. If all goes well, it will be held at Lorain County Community College. Inside space will be air conditioned and the flea market will be in the paved parking lot.

Dwaine, K8ME, suggested that the club sponsor a plaque for some DX contest. The members agreed, so he will look into it.

Ron, K8VJG, reported that the Great Lakes Division Convention which was held in Cleveland last year will probably be moved around to other cities.

John, K8YSE, reported on his Michigan stations in the recent Amateur Radio Lighthouse Society's Lighthouse Contest. He and his son Doug used a TS-2000 and an inverted-v to make approximately 400 contacts. Approximately 70 of these were other ARLHS members. John thanked everyone who worked there.

Al, K8EUR, brought new DX Engineering catalogs and passed them out.

Tedd, KB8NW, reported that the next meeting will be on the 2nd Monday in September, the 8th.

Bruce, N8DJX, brought 2 grab-bags as door prizes. They contained staplers, notepads and book reading lights. One contained an AT&T telephone headset. The bags were won by Al, K8EUR and Dave, WD8IOU.

The 50-50 raffle was won by Nick, W8XD. The amount of \$18 was donated back to the club.

Ron, K8VJG, moved, seconded by Ron, K8DZO, that the meeting be adjourned. The motion passed.

The meeting was closed at 8:25pm.

Respectfully submitted, Al, N8CX, Secretary

Minutes of the September 8th, 2008 NODXA Meeting

The meeting was opened by the President, Tedd, KB8NW at 7:35pm. There were 11 members and 1 guest present.



After a round of introductions, the minutes of the August 4th meeting were read. After a minor correction, the minutes were approved as read.

The Treasurer Mary, N8DMM, reported a balance of \$Ka-Ching! in the account. Tedd, KB8NW reported that the repeater was probably okay and that the cluster was okay.

Dave, WD8IOU, reported that the newsletter is out and that he has a continuing need for articles.

Old-New Business

Dwaine, K8ME, reported that the ARRL had given an okay on the club sponsoring a contest plaque. The club had a choice of the ARRL DX SSB or CW Contests. Dwaine, K8ME, moved, seconded by Ron, K8VJG, that the club sponsor the ARRL DX-SSB Contest, Great Lakes Division, Single Operator (SO) High Power plaque. The motion passed. The cost will be \$67.

Ron, K8VJG, reported seeing a bulletin stating that the Red Cross wanted to use amateur radio; he wondered if anyone else had seen the bulletin. No one had.

Dave, WD8IOU, said that he needed a Yaesu YSK-100 Separation Kit for an FT-100 Transceiver. If anyone has one or can locate one, please let Dave know.

Dwaine, K8ME, reported that there were 3 people interested in the CARS bus to Dayton next year, indicating that some interest has been shown.

Tedd, KB8NW, reminded the members that the Cleveland Hamfest will be September 28th and that NODXA had a promotional club table. Dwaine, K8ME, also reported that there would be card checking at the hamfest. He will check WAS and VUCC cards and Keith, N8KOL, will check DXCC cards.

Tedd, KB8NW, reported that the Section Manager, Jo Phillips, K8QOE, needs lobbyist help with promoting Ohio Bill 563 (Ohio PRB-1). John, K8YSE, said that the state does not have to abide by the Federal law and that it must pass its own law.

Nick, W8XD, wanted to know if there was any further information on the KP5 (Desecheo Island) Dxpedition? Tedd, KB8NW, reported that the U.S. Wildlife Department will decide which group will get to go. Amateur radio needs permission to operate.

Dwaine, K8ME, reported that there were many Chinese stations on the air, especially during the Olympics.

Tedd, KB8NW, reported that there was really nothing big on the air right now. Willis Island is due in October and possibly Desecheo and Glorioso upcoming.

The next meeting will be on Monday, October 6th.

The 50-50 raffle was won by Nelson, N8DJC. The amount was \$11.

Bruce, N8DJX, donated another grab-bag containing key chain, Intellimouse, stapler and an Ohio Transfer Council cup and pencils as a door prize. This was won by Dave, WD8IOU.

The meeting was closed by the President, Tedd, KB8NW, at 8:10 p.m.

Respectfully submitted, Al, N8CX, Secretary

Elmering CW Ops

by Dan Romanchik, KB6NU

I have a reputation for being a CW zealot. It's a reputation that I quite deserve, thank you very much, and one that I'm proud of. Working CW is a heckuva lot of fun, and I want to help as many hams as I can enjoy it as much as I do.



Unlike some OFs (e-mail me if you're not familiar with that CW abbreviation) who just complain that no one operates CW anymore or bemoan the elimination of the code test, I try to walk the walk as well as talk the talk. Here are some of the things I do to get guys to operate CW:

* I always carry around copies of the K7QO Code Course on CD-ROM (<http://www.kc5cqm.org/pmwiki/pmwiki.php?n=Main.K7QOcwCourse>). K7QO has graciously allowed this version to be distributed freely, and when I'm at a ham event, and anyone expresses even the slightest interest in CQ, I pull one out of my briefcase and hand it to him or her.

* I try to keep one or two inexpensive paddles around to sell to interested folks. Bencher BY-1s are good starter paddles, and you can often find them at hamfests or on EBay for fifty to sixty bucks. I usually keep one or two "in stock." When someone asks about paddles, I offer to sell them one of the ones I have for exactly what I paid for it. Since they know me, they get a good feeling that they're getting a decent paddle at a decent price.

And once they have it in the shack, it takes away one excuse for not operating CW. I also, provide technical support. By that I mean I help them get the key and keyer adjusted properly and help them use it properly.

* I never denigrate or complain about hams that never had to pass a code test. That's a sure turnoff. As soon as people get the feeling that you're looking down your nose at them, you lose all credibility with them and they just stop listening to you. My personal opinion is that if more folks have ham licenses, then the pool of potential CW operators is bigger.

* I never denigrate or complain about hams that don't operate CW. See above.

* I acknowledge that Morse Code can be difficult to learn. I often apologize for the fact that I got into it when I was young and it was easier for me to pick it up then. I also apologize that I seem to have at least a limited talent for Morse Code. I acknowledge that this is not something one learns overnight. You're more likely to win someone over if you sympathize instead of criticize. I like to challenge them to learn it, noting that once they've acquired the skill, it's something that they can be proud of. Not only that, it's a lot of fun!

* I try to show them how much fun CW is! I have an Elecraft KX-1, which I take to things like club picnics. Throw up a simple antenna and I am on the air making contacts. I also invite guys to my shack and show them in person how cool it is.

Finally, I give presentations to just about any club that invites me, if I can make the arrangements. On my blog at <http://kb6nu.com/a-cw-presentation-for-your-club/>, you can find the text for the slides I used for my presentation, "CW is Fun!" Feel free to use them to give a presentation to your club.

Who knows? If you give this presentation to your club, maybe you'll even get one or two guys interested enough in CW to learn the code and get on the air. If every current CW op Elmered one other ham every year, the CW bands would be chock full of activity. We'd be complaining that it's impossible to find a clear frequency instead of complaining that it's getting hard to find a contact.



Desecheo Island 2009 Contribution Recognition

Northern Ohio DX Association, Inc.

On behalf of the KP1-5 Project, thank you for the Northern Ohio DX Association's generous donation of \$250. Thanks to dedicated DX organizations like yours, DXpeditions such as this can take place.

One of the goals of the Desecheo DXpedition is to provide at least one QSO to every DXer who needs this #7 ranked DXCC entity for a new one. Your contribution will help make this happen. On behalf of DXers world-wide..... Thank You!

Once again, thank you so much for your contribution and support. We look forward to contacting your members on the air! See you in the pile-up!

Mike Thomas, NA5U

KP1-5 Project Leader

Bob Allphin, K4UEE

Co-leaders, Desecheo Dxpediton 2009

Glenn Johnson, W0GJ

Ohio Hams Discover, Fix "Ditters" on 40 Meters by ARRL Letter

Silent since the summer of 2000, "ditters" have been heard once again on 40 meters by hams in North Carolina. According to ARRL Field and Regulatory Correspondent Chuck Skolaut, KOB0G, hams in that state contacted him on October 22 complaining of hearing a continuous string of "dits" on 7.0574 MHz. "We informed the FCC HFDFing station of the situation and asked if they could locate the approximate area of the 'dits' so we could get this resolved as soon as possible," Skolaut said. "They responded promptly and said it was coming from Westerville, a town just north of Columbus, Ohio."

Once the general location had been pinpointed, Skolaut called on ARRL Ohio Section Official Observer Coordinator Rick Swain, KK8O for assistance. Swain immediately alerted his team of Official Observers (OO) to check out the situation. "Neither I nor the OOs could hear the transmitter," Swain said in his report. "In a telephone conversation with one of the OOs near the target area, he suddenly stated that he could hear it, but that the signal was at the noise level, about S2 to S3. At just about the same time, I could hear it as well at my location [about 50 miles from the target area] -- just above the noise level --for about five or ten seconds, then it disappeared."

Swain also placed a call to Assistant Section Manager Bill Carpenter, AA8EY. "Bill lives within the target area. I briefed him on the situation and he went right to his station," Swain said. "Bill checked the frequency and told me he was hearing [the 'dits'] at about S9. He said he thought he might know who it could be and that would make some calls."

Around 7:30 AM on October 23, Swain checked the frequency and found no signal. "I assumed that either Bill had found the transmitter or the owner came home, found it transmitting and turned it off," he said. "Later that morning, Bill sent me an e-mail saying that the signal was back on and about S7. I called Bill's house and left a message telling him I was on my way to Westerville to track down the signal. If he wanted to ride along with me while I looked for it, he was more than welcome to come." Skolaut said the signal was also heard in Newington that day.

When Swain arrived in Westerville, he had a list of the names and addresses of 172 licensees in the area, as well as a general idea of where the signal should be, based on the data from the FCC's HFDFing station. He also had his HF radio, an all-band screwdriver antenna, a GPS receiver and a VHF radio for information and directions.

"I drove around the area checking the signal and noted that it was about S9 and climbing," Swain said. He and Carpenter met up and continued the search together. About 15 minutes later -- with Swain driving and Carpenter giving directions -- "we noted that the signal was 30 over S9 and Bill had me make a left turn at the next street, saying that there was an address on the list we should check out. We stopped at that address, but no luck."

Swain said he then injected 30 dB of attenuation and continued to drive in the same direction: "The signal was now reading 20 dB over S9 with the attenuator still on. We turned down the next street and the signal rose another 20 dB. I pulled into a parking lot and made a 360-degree turn as to determine the signal's direction. The turn indicated that we should proceed to a newly constructed housing area adjacent to the parking lot."

Swain and Carpenter then made their way over to the housing development and found that signal peaked. "Bill checked the list and found a ham lived on the street we were on, so we stopped and knocked on the door, but no one answered," Swain said. "We checked out the backyard and saw a 4-band trapped vertical antenna. We went next door and spoke to the neighbor and told him who we were and what we were trying to do."

With help from the neighbor, Swain contacted the ham at work and explained the situation. The ham told the neighbor how to get in the house and where they would find the transmitter. "We went

in, found the transmitter in operation and turned it off," Swain said. "I noticed the ham had a large cat lounging near the transmitter and assumed the cat could have leaned up against the keyer paddle and started the transmitter. No other explanation could be possible without the owner hearing the transmit relay clicking."

When Swain and Carpenter left the house, they listened to the receiver and discovered the signal had disappeared.

"This was a great example of coordinated cooperation by the FCC and OOs to resolve a problem in a timely fashion," Skolaut said. "The DFing station told us that hopefully the OOs could handle it as the FCC District Office was unable to work on the case at this time."

Calling this a "splendid example of cooperation," ARRL Great Lakes Division Director Jim Weaver, K8JE, echoed Skolaut's praise: "I believe the response to the situation was as fine an example of symbiotic relationship between member-staff-FCC-staff-field organization as one might find. Extremely well done by all hands."

ARRL Presents New Membership Benefit by ARRL Letter

With just a mouse click or two, ARRL members can now access the online QST magazine archive <http://www.arrl.org/members-only/qqnsearch.html>. This new benefit -- a service of the ARRL Technical Information Service (TIS) <http://www.arrl.org/tis/> -- provides PDF copies of all QST articles from December 1915 through December 2004, enabling members to view and print their favorite article, project and more. For many years, the TIS has provided members with assistance researching ARRL periodicals and publications, as well as providing members and non-members with article reprints for a small fee. Access to the new online digital QST archive is free for ARRL members, and is for their personal use only -- material in the archive may not be freely distributed or copied.

"Having access to every issue of QST through 2004 is absolutely incredible!" said ARRL Lab Manager Ed Hare, W1RFI. "The best of the best of QST from every era is now at the fingertips of every ARRL member with a keyboard and an Internet connection. Members can research articles on any subject that interests them, or just browse the past issues. This will be a popular membership benefit that will be of special value to new and long-time hams alike. This valuable content will help radio amateurs who use QST as a technical resource -- for projects, equipment 'hints and kinks' -- and for other research contributing to the advancement of the radio art. We know many hams will simply enjoy perusing these pages of history, too."

The ARRL Periodicals Archive and Search lists every article for QST from 1915 to the present, QEX from 1981 to the present, Ham Radio from 1968 to 1990 and NCJ from 1973 to the present (please note that beginning in 1998, each issue of QEX covers two months). Only ARRL members will be able to download and print copies of the QST articles.

QST magazine is the official journal of ARRL, the national association for Amateur Radio. An interest in Amateur Radio is the only essential qualification of membership. ARRL membership is \$39 per year in the US. For a complete list of membership benefits and dues, please visit the ARRL Membership Web page <http://www.arrl.org/join>.



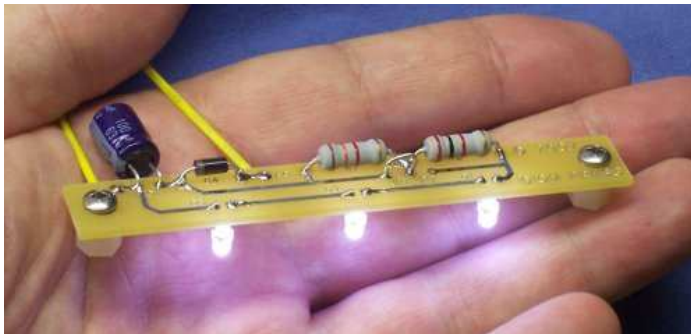
Rotator Illuminator

by Idiom Press

3-LED Replacement Kit for Incandescent Meter Lamps in Hy-Gain Rotator Control Boxes

The Rotator Illuminator kit by Idiom Press is a three-LED replacement circuit for the incandescent lamp in Hy-Gain control boxes. Buy this kit and never have to worry about finding scarce 28 VAC bulbs, and never have to change the bulb ever again!

- Soft, even illumination
- LEDs last far longer than incandescent bulbs
- Uses less than 1 W, far less than the stock incandescent bulb
- Three user-selectable brightness levels
- Uses three LEDs evenly spaced over the meter
- LEDs rated for 140° viewing angle, 140 mcd @ 20 mA each
- Designed by a professional display engineer
- Circuit includes rectifier with 100 μ F filtering capacitor, insuring absolutely no visible flickering
- Focuses all the light on the meter, rather than wasting it in unwanted directions like the incandescent bulb
- Simple to build, the only tools required are a soldering iron, a screwdriver, wire cutters and wire strippers; the only supplies needed are solder and vinyl electrical tape. Everything else is included.



Have a look at the product reviews for the Rotator Illuminator on eHam:

<http://www.eham.net/reviews/detail/7835>

It has come to our attention that some companies supply LED lamps that plug directly into the lamp socket. At first this seems like a very attractive alternative to the incandescent bulb. We tested two different LED lamps ourselves, and found them to be not very suitable. Both LED lamps focus their light in a narrow cone straight ahead. This is appropriate for a flashlight. However in the control box the lamp socket is pointed forward at the back of the front panel and not downward at the meter, and most of the light is wasted and the meter is not illuminated very well at all. (There is not room inside the control box for a lamp and socket pointed downwards at the meter.) The Rotator Illuminator was designed especially for illuminating the meter in your Hy-Gain control box, and works much better.

The Rotator Illuminator kit was designed for meters with a single bulb above a meter with clear plastic edges, which are the vast majority of meters in service. If you have the new-style meter that has two built-in bulbs and has opaque edges, then unfortunately this kit will not work for you.

Pricing and Ordering

The Rotator Illuminator kit is available to US addresses at \$10.95 postpaid, or to DX addresses at US\$ 12.95 postpaid via air mail. Please order from this web page: <http://www.idiompres.com/illuminator.html>

Can You Hear Me Now?

by Gunter (Lindy) Lindermeier, WW5AA, via eHam.net

I have wondered for many years why we spend so much time talking antennas, yet I almost never hear folks talking about their receive antennas. Yes, I know about the big gun stations, but how about guys like me on small city lots. It seems to me that a lot of folks are overlooking the advantage of utilizing a good RX antenna.

First of all, let's not confuse the issue with wire beams, rhombics and beverages. Most of us do not have the real estate for these antennas or the time and budget associated with stringing out several of these antennas. Also the use of RX antennas is usually associated with the low bands, 40 and below which requires a whole bunch of wire and room. So what is the poor landless guy to do?

Signal to noise ratio is the ratio of the power or volume (amplitude) of a signal to the amount of unwanted interference (the noise) that has mixed in with it. Measured in decibels, signal-to-noise ratio (SNR or S/N) measures the clarity of the signal. This is very basic, and for a true understanding, other information is really needed to understand what seems like a very basic concept. For me, the main problem with signal to noise ratio has always been induced static and phase noise.

Having tried all the usual suspects, active receiving antennas, mag loops, small wire logs and on and on, I began looking for something else. The key to my research was wading through the quagmire of mis-information regarding "capture area". I soon found out that in this area, with the exception of studies in dish or horn type antennas, everything I read was based on theory. In most cases the formulas included theoretical gain of receive agility of an antenna based on the theory that transmit and receive are reciprocal without much agreement on the effects of direction and phase angle of the wave front. If the engineers and antenna gurus can't agree, what is a lowly neophyte to do?

The first thing I did was to start using my 294' ladder line fed loop (square configuration) as a receive antenna by building a relay into my old B&W antenna switch. The loop worked very well as a transmit antenna, or so I thought until I found a way to get my doublet from 30' (the same height as the loop) to 60'. I know that side by side tests are not the best way to compare antennas; however after many blind tests with the antennas it was clear that in my situation the doublet was always an S unit better and at times two and three S units better. The dilemma now was that 60% of the time, and maybe a little more, the loop at 30' had a much better signal to noise ratio than the doublet. Testing against my roof mounted vertical was a no brainer, the loop won 90% of the time. Now, do I raise the loop to 60' and try again? Sorry, I will be retiring next year and don't want to invest the time or money. Maybe someone has done this and can comment.

As we all know, for sky wave propagation, the polarization of the TX antennas need not be the same, since the polarization of the signal will change during ionosphere refraction. Therefore, having elements which are not aligned and with non-identical radiation (reception) patterns actually seems to be useful in enhancing the signal to noise ratio. The reason is that even relatively small receive antennas, if properly set up, will span polarization space so that, in general, signal vectors will lie further apart in the signal space, thus aiding signal discrimination. How about adding some vertical elements to the loop?

With the purchase of the IC-756 Pro III, I was able to do away with the antenna relay and benefit from the built in pre-amp stages. I lowered the loop to 10' and added vertical wires at the three corners opposite the corner where it is fed. 20' up and 5' down with a simple mechanical connection to the loop, several wraps of thin wire and taped. This along with a cheap antenna tuner is really fun to play with. I soon noticed that the signal to noise ratio actually improved by tuning off

the resonant point by a few degrees.

Was it worth the effort? You bet, many times I will hear a DX station, or even a weak local station with good copy on the RX antenna which is buried in the noise on the doublet. The bottom line is that I would encourage anyone that has never played with receive antennas to give it a try, you may be surprised.

Ask Perry: Why is the ARRL In Connecticut?

by ARRL Letter

Every once in a while, ARRL Archivist Perry Williams, W1UED -- a rich source of information about the early days of the League -- runs across a question that really needs an answer. Earlier this month, someone posed this question to Perry: Why was Connecticut chosen as the site for ARRL?

"To answer that question," Perry explained, "consider a parable: Why did the tree choose to grow in this forest? Because that is where the seed fell on fertile ground. The seed that became ARRL fell on Hartford, Connecticut in 1914. When it sprouted, it was cultivated initially by two men: Hiram Percy Maxim, 1WH (he became W1AW after World War I), and Clarence D. Tuska, 1WD, who was still in his teens when the League began.

"Maxim was an inventor in a family of inventors, an industrialist. He was founder of the Maxim Silencer Company, making devices to keep firearms and engines quiet, as well as a principal in a company involved first in making bicycles and then autos. He was also a writer with an early interest in motion pictures (he was also founder of the Amateur Cinematographic League) and on and on. Most of these activities were in or near Hartford, where he lived with his family.

"Tuska manned the hoe and trowel around the ARRL seedling. Soon after the ARRL's founding, Maxim settled in as President, an office he held until his death in 1936. In those early days, Tuska served as Secretary. Together, Maxim and Tuska founded the magazine QST as a private venture in 1915 out of their own pockets; Tuska was its Editor until the United States got into WWI and amateurs were taken off the air. Tuska closed down the 'offices' of ARRL and QST -- they were in his mother's kitchen -- and joined the Army." Williams said that the story doesn't end here -- to find out more, please see "Two Hundred Meters and Down," by Clinton B DeSoto, W1CBD (SK) <<http://www.arrl.org/catalog/?item=0011>>.

Williams continued: "By the time the Tree had grown to the point to merit relocation elsewhere (this issue has been examined many times by the ARRL's elected, unpaid Board), transplanting it never came out as feasible: The Hartford-area roots were too deep."

FOR SALE

GPS -- Magellan Maestro 3100
Auto-Navigation System, new been used
Price-- \$ 145.00

Kenwood Linear Amplifier TL-922
TOTALLY Restored Professionally, all 12 & 17 meters mods installed, QSK has been added, brand new band switch, circuitry has been totally redesigned, all done professionally, plus documentation, by KB6CZ
Price: \$1200 or best offer

CONTACT: Dwaine at k8me@sbcglobal.net

Sign up now



2009 Dayton Hamvention Bus Trip

CARS is again sponsoring a Bus trip to the Dayton Hamvention, the 2009 bus trip will take place on Saturday May 16.

The Bus trip will cost \$35.00 dollars per person, we need a minimum of 35 people to break even, the bus will be stopping for breakfast on the way down, with a brief stop on the way home for quick bite. You are responsible for your food and Hamvention ticket costs.

The bus will be leaving at 3:00 am from the Kmart parking lot at the intersection of Engle Road and Bagley Road, in Middleburg Heights, Ohio, Engle Road is a 1/4 mile west of I-71, which is the first intersection you come to, Kmart is behind the BP Gas station. Vehicles will be safe, there will be security to watch cars.

Bus tickets must be purchased and paid for in advance. If we do not sell 35 bus tickets by May 8, 2009 the bus will be cancelled and your money returned.

If you have any questions please bring them up at a cars meeting or contact me by email or phone: Dwaine 440-582-3462 or K8me@sbcglobal.net

See you on the Bus
Dwaine ---K8ME



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
 K8MR: PacketCluster 144.91 & 145.57

Web-site: <http://www.papays.com/nodxa.html>

Newsletter Submission: wd8iou@adelphia.net

NODXA Club Officials for 2007-2008

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 December 2007, the current DXCC Entities total is: **338**.

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 _____
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Newsletter Contributors

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