

April-May-June 2012

"Ohio's First DXCC Field Checking Club"



The NODXA RAG



Poolside Chat With KB8NW

Fellow DXers,

If you missed the 2012 Dayton HamVention this year, you missed a good one. The weather was perfect (maybe just a little hot), with many interesting things to see and do. It was not super crowded, but just enjoyable to see and get to anything you wanted. The DX forums were also good,



particularly the talk by Don Greenbaum, N1DG, on "DXpedition's Funding and Costs". This is something every DXer should see, and it should be shown at every DX association and club. It will open your eyes. Don's excellent Power-Point presentation from Dayton is now available at the NCDXF's Web page at: <http://www.ncdxf.org/misc/N1DG-DXpeditioncosts-Dayton2012.ppsx> It was also great to see the NODXA logo show up in all four of the presentations.

The NODXA hospitality suite was another big hit this year, and probably had a record attendance. It showed in the amount of ice, beverages, food and munchies consumed. Janeen/W8ZET kept the troops fed with plenty of finger sandwiches, cookies and cheese. Special thanks goes out to Bill/N8PW for donating some other cheeses and meats. We heard comments from the attendees like, "You guys have better food than the dinner banquets!".

The visitors were also very generous this year with their donations in the donation jars. Once again, the club would like to thank Janeen Hire/W8ZET and also Dolly Klukan [XYL of Ron/W8WH (SK)] for being the hostess and sponsoring the suite again. Also, thanks to my wife, Linda, and Byron/KF8UN for helping in the clean-up and bartending, as well as Mary/N8DMM who also put some time in greeting and attending the bar.

As always, the three hospitality suite nights was great "PR" for the club -- at times the room was packed!

Well, it looks like 2012 will continue to be a banner year for rare DXpeditions. It was great to see that a decent Yemen (7O) DXpedition finally hit the air waves, especially after many years of being absent.

Operations to look forward to in the coming months - 1A0C, CY9M, NH8S and 3D2C.

June is here, and that means it is "Field Day" (June 23-24th) time.

I hope to see you out at the FD site, whether to visit or operate. We

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

are doing a very low-key op this year (just a fun get together). Details on how to get to the FD site are somewhere in this newsletter.

Lastly, just another reminder that it is time to renew your membership.

The club has been very active with our funds - the Dayton HamVention Hospitality Suite and funding DXpeditions. Remember, it helps "promote DX and fund DXpeditions", and that is what NODXA is about. I hope to see you at next NODXA meeting.

73 and Good DX de Tedd KB8NW

Minutes of the April 2nd, 2012 NODXA Meeting

The meeting opened at 7:30 PM with Tedd, KB8NW, presiding. There were approximately 19 members and guest present. After the usual round of introductions, the minutes from the March 5, 2012 meeting were read by Dave, WD8IOU. Tedd made a motion to pass the minutes as read and they were without any corrections. Mary, N8DMM, reported a treasury balance of \$Ka-Ching! and that there were no new members for this month. Mary also reminded the membership that dues are due.



Tedd, KB8NW, reported that the club has donated to nine Dxpeditons during the last 14 months. Tedd also stated that the club spent a lot of money funding the Dxpeditons, and buying the projector, and that the club's dues are being well spent.

The club's repeater was reported to be working well and was given some exercise by the West Park Radiops group. Dave, WD8IOU, reported that the newsletter was in process and would be finished soon.

Old/New Business:

Dwaine, K8ME, reported that he received a letter from the ARRL asking if the club would again sponsor the Great Lakes division, single operator, unlimited high power phone contest plaque at a of \$75 to the club. John, K8YSE, motioned that the club allocate the funds to purchase the plaque, seconded by Carl, K8AV. There was no discussion and the motion passed.

Tedd, KB8NW, motioned that the club was also asked to sponsor the DX plaque for the Ohio QSO party. Ron, K8VJG, made a motion that the club sponsor the plaque. There was some discussion and the motion was amended to impose a \$100 limit. Bruce, N8DJX seconded the motion. There was no further discussion and the motion passed.

Ron, K8VJG, stated that the club has secured the field day site. Bruce, N8DJX, will provide the insurance for the event.

Tedd, KB8NW, reported that a Field Day webinar is running on April 18.

Pete, N8TR, made a motion that the club pass a white ballet where all the current officers are reelected. Ron, K8VJG, seconded the motion. There was some discussion about the length of service with the current officers but the motion passed unanimously.

Tedd, KB8NW, talked about Dayton and the Hospitality Suite. Pete, N8TR, made a motion to allocate \$250 to fund the Hospitality Suite, seconded by Carl, K8AV. There was no discussion and the motion passed.

Dwaine, K8ME, mentioned that the CARS Hamvention Bus was a "go" and they expect a good turnout.

Dave, WD8IOU, expressed his disappointment in the A35YZ DXpedition, which the club donated to, ignoring SSB. Tedd, KB8NW, stated that he emailed the DXpedition and was told that conditions were not favorable for SSB. On the other hand, Tedd stated that the E51M DXpedition was excellent and had strong signals.

Tedd reported that he received an article from Brian, K3USC, comparing the current sun spot

cycle with the past five cycles. In short, the article stated that the current number of sun spots pail in comparison with the previous cycles. There was some discussion and the membership decided that the lack of sun spots was due to "global warming".

Tedd, KB8NW, said that the D64K group asked for a donation for their August DXpedition. After much discussion, the membership declined to sponsor this event.

Tedd, KB8NW, said that the NH8S group going to Swains Island also asked for funding. John, K8YSE, seconded by Gary, NI8Z, motioned to allocate \$100 to sponsor this DXpedition. After much discussion, the motion passed. This group has a web site at www.nh8s.org.

There was some discussion about various Dxpeditons and their use of Logbook of the World.

Ron, K8DZO, reported that a local auto parts store is selling a 1925 Grebe radio in good condition and was wondering if any club members collected old radios. A discussion on old radios followed.

Gary, N8IZ, talked about the "Ham Nation" web show produced by Bob Heil.

Tedd, KB8NW, talked about the new DXCC on-line program for submitting cards for DXCC checking. The fees for this program are lower. Hybrid submissions are no longer allowed.

Tedd, KB8NW, also talked about the new WUST award for working all US territories. If you are at the top of the honor roll, you automatically qualify for this award. Details will be published in the next newsletter.

George, K8KR, won the 50-50 raffle. His share was \$19.

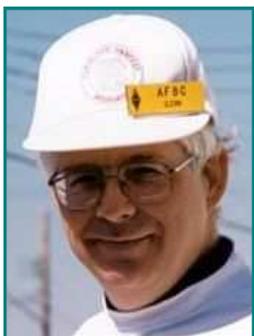
The meeting was adjourned at 8:15 PM by Tedd, KB8NW.

A video about the 3B7C St. Brandon DXpedition was shown after the meeting.

Respectfully submitted, on behalf of AI, N8CX, Secretary, by Dave, WD8IOU

Minutes of the May 7th, 2012 NODXA Meeting

The meeting opened at 7:30 p.m. with Tedd, KB8NW, presiding. There were 25 members and guests present. After the usual round of introductions the minutes for the meeting of April 3 as prepared by Dave, WD8IOU, were read by Glenn, AF8C. Ron K8VJG moved to accept the minutes as read, and this was seconded by Karl, K8BCK. The motion passed.



From the treasurer's report Mary N8DMM listed the balance as \$Ka-Ching!

The donation to the Swains Island operation was sent but our logo is not yet on their web page. Another donation request was received from the Comoros D64K group. They have a rank of 68 in most needed entities. We still have time so any decision to donate to D64K was tabled. We have paid our P.O. Box bill. Dues are due now. Dayton hospitality room expenses and the Swains Island contribution will cause a hit on the next report. Dwaine, K8ME, moved, and Jim, KE8G, seconded, for the treasurer's report to be accepted as reported. The motion passed.

The repeater was reported to be in good shape. Glenn, AF8C, reported that in the West Park 2 meter nets, on Glenn's TS2000, the PL tones are being heard from the transmitter that is keying the repeater up. The answer was that the NODXA repeater does not filter out PL tones. . From West Park Radiops, N8WB and NA8Y both sent nice emails to Tedd for the use of the repeater. K8ME reported that the OARC sent a ballot and dues note for 2012. Dave, WD8IOU announced that the newsletter will be held until after Dayton in order to collect any useful articles and photos from Dayton sources.

Old/New Business:

Metro, W8MET, is 60! Alan, AC8AP, described his visit to PJ2T to provide help to that sta-

tion in the CQ WPX but he ended up being the operator after several others dropped out for family or other reasons. He picked up 745 contacts before the contest on 10, 12, and 17 as PJ2T/AC8AP. During the contest he made 2245 contacts with that callsign. Alan said he worked 5 beverage antennas with QRP. The power limit on PJ2 is 1000 watts but many of the band segments have a 250 watt limit. U.S. operators were very polite. Logs will be uploaded to eQSL and Logbook of the World.

Ron, K8VJG, gave his thanks for the club members who helped take down his damaged antenna. Helpers were John, K8YSE, Tedd, Pete N8TR and Mary N8DMM, and Dwaine, K8ME. Ron sent around a damaged SteppIR antenna mounting plate that appeared to have broken from metal fatigue. SteppIR representatives will be at Dayton at the Crown Plaza.

For DX operations, Tedd reported that a group is going to Brunei November 13-22 and are asking for donations. The website is supposed to be up in the second week of May. Tedd mentioned that information from K8MFO is that Don Chesser, W4KVB (SK) -- Pioneering DXer and DXpeditioner; founder of DX Magazine—and became a SK in 1985, has been nominated to the CQ DX Hall of Fame. Don had a part in setting up 4U1ITU in Geneva. Tedd said that NODXA was backing the nomination. Per Tedd, the club wants to take down the 40 foot free standing aluminum tower from SK WA8FNB. Volunteers are needed on Wednesday to take it down. The tower is aluminum, 40 ft., made by Universal Tower.

The 600CW in Somalia is up until May 31. John, K8YSE, was a guest on a ship going through the Welland Canal. Tedd reminded Dayton attendees to visit the hospitality room. Janeen and K3LR had reserved all the rooms.

The raffle basket reached \$40.00 and the \$20.00 split was won by Glenn, AF8C. After the break the program was a showing of slides from John, K8YSE and the Boy Scout activity slides from Tedd, KB8NW. John's slides were scenes of Ron's damaged SteppIR beam, and the Welland Canal views.

Respectfully submitted, by the Secretary, Glenn, AF8C.

Field Day 2012 by David Autry, WD8IOU

It's Field Day time again! June 23 and 24 to be exact. John, K8YSE, is the field day chairman for this year and has decided that we will do a low-key, just for fun, operation. As a result, we will not have a GOTA station this year because of all the extra work required to set it up; the club will participate in the 2A class using two stations: SSB, and CW/RTTY.



The NODXA site is the same as last year, the Mount Augustine Training Center located on 5232 Broadview Road in Richfield. A map to the Field Day site is on the next page.

Everybody is encouraged to attend this 24-hour marathon, and, most of all, to operate! (Hey, if KB8NW can operate, then you can too!). We especially need CW operators to keep that station running for the full 24 hours.

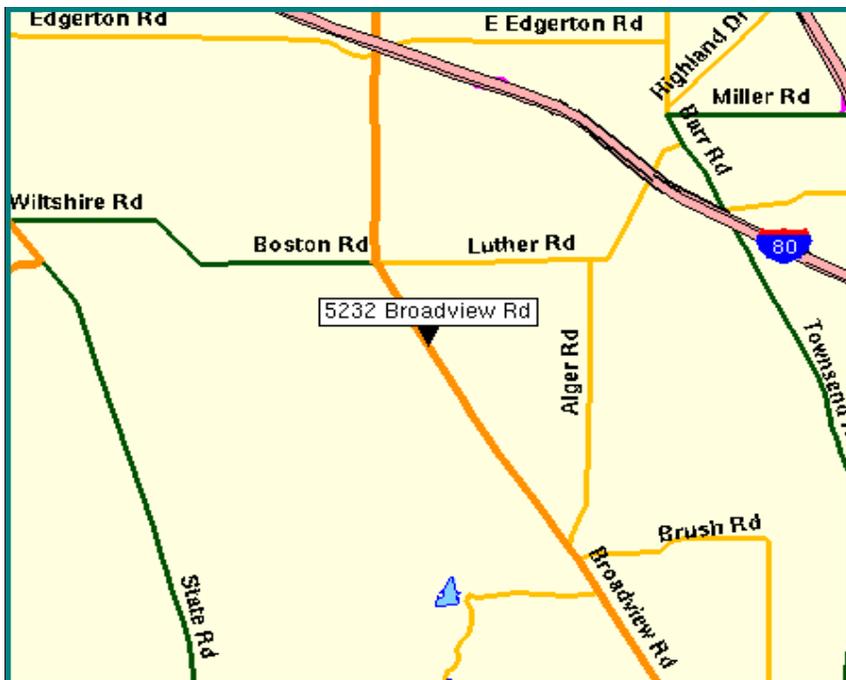
Pete, N8TR, is planning an early setup of tents and antennas Friday evening around 6 PM. Everybody is encouraged to stop by and help out; this will decrease the amount of work required on Saturday morning.

The contest starts at 2 PM Saturday and ends at 2 PM Sunday. Operators are real scarce during the "3rd shift" (12 AM to 8 PM) so it would be a great help for our club's score if we could have a couple more operators during those hours.

The club has allocated some money for food and drink so there should be plenty to eat. But we will need some cooks so, even if you don't want to operate, stop on out and flip some burgers!

Remember to bring the bug spray, folding chairs, sun screen, and 807's!

See you there!



UT1FG/MM Welland Canal by John Papay, K8YSE

Yuri, UT1FG/MM, left Thunder Bay Ontario on Lake Superior a few days ago with a cargo of Oats and Wheat destined for San Juan Puerto Rico. He had gone through the Welland Canal which connects Lake Ontario to Lake Erie on the way to Thunder Bay and would come back through on his way out. The Welland Canal is very long, has 8 locks and takes the boat from a water elevation of 572' in Lake Erie to 246' in Lake Ontario. On the way in it took him about 8 hours to go through.

My thought was to drive up there and watch him go through and hope we could get within shouting distance of one another. But where you do go to get close and how do you find your way around in unfamiliar territory? You may have heard VE3RCN on the birds, sometimes from different grids and sometimes on the warship Haida. Kevin is in the Royal Canadian Navy (hence the callsign) and makes his home in Welland! After some email exchanges and some research on Kevin's part he offered to host my time in the area. That took all of the stress out of the situation. He knew everything about the canal.



Yuri sailed out of the Detroit River on Saturday night and into Lake Erie. I was able to contact him on 144.200 sideband where we chatted for almost an hour, much different than the quick grid square exchange on the birds. He estimated being at Lock 8 in the Welland Canal around 8am. After 4 hours of sleep and a quick shower I was on the road at 3:15am. After a few questions by Canadian Customs (they

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know what to ask to determine if you are telling the truth), I was in Canada. About 15 minutes out of Port Colborne, the entrance to the canal, Yuri called on 146.52 to say he was about 15 miles out. Fifteen miles later I was at Tim Horton's (the Canadian Starbucks equivalent) where I was to meet Kevin, VE3RCN/VA3OR.

He arrived their shortly after me and we were off to the Lake Erie shore to catch a glimpse of the MV Barnacle. And there she was off in the distance.

It was all coming together. The Lake was calm, the sun was shining, it was about 32 degrees but there was no wind. The fish were jumping.

After the ship started moving closer to the channel we got into position to watch it come in. As it rounded the bend and we could see the bridge; Yuri spotted us immediately and was waving. He seemed as excited as we were. As he got closer we were able to shout back and forth. At Lock 8, the first lock, we were able to talk back and forth; we were very close.

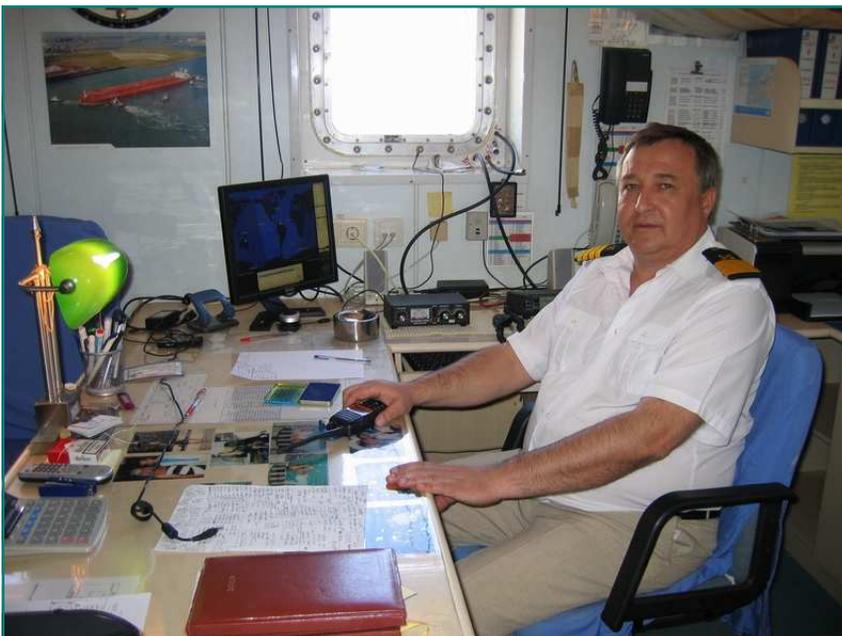
There are places on the canal where you can stand on the bank and put your hand on the ship going by. The clearance may only be six inches.

After that we went to get some breakfast; then we lost track of where Yuri was. Kevin made a quick call to his xyl Donna, VE3WIZ, and she was able to relay his position so we could catch up with him again. We waited for him to pass over the highway at Thorold. The road actually goes under the canal! Next stop, Lock 7.

We were waiting for Yuri at Lock 7 where the Canal Pilot changes. We were standing at the fence when things started to come together. The invitation to come on board was given and before I knew it I was ushered over the lock to the other side of the ship and boarded as the ship lowered to the

dock level. A minute later I was on the bridge with Captain Yuri UT1FG. Finally I was able to meet a guy that I've been working on the satellites in hundreds of water grids since April 2009! At that point Kevin went back home to get Donna and they then followed us down the canal, waving and watching us at every highway crossing and vantage point.

An experienced Canal Pilot takes command of the ship through the locks. He stands on the port or starboard side of the bridge so he can see the ship's hull with respect to the edge of the canal. There may be only inches to spare so it is a tedious



effort. The Pilot calls out the commands (Starboard 20, Port 10, Slow Ahead etc) and the first officer carries out the orders.

Yuri is usually with the Pilot and helps relay the commands etc. There is very little time for anything else except when you are actually stopped in the lock. It's one thing to see the ship going through the locks from land but quite another to experience the change of level from inside the lock itself. It truly was an experience of a lifetime.

Yuri took me to his cabin one level below the bridge. His quarters are quite nice and private. This is where he operates with his IC706, manually tuning the radio and doing a great job at that! The power supply from HP1CQ sat on the table in the corner and a computer running Orbitron is on the other side. Yuri now has an ELK antenna installed (thanks to the efforts of Rick, WA4NVM). It is mounted on a manually rotatable mast that goes up from the bridge, starboard side, directly above his cabin. The ELK is tilted up at 15 degrees and was just installed on the way back from Thunder Bay. The CJU antenna is mounted on the crossboom next to the ELK.

A vertical for 2 meters is on a separate mast above those antennas. Until this season Yuri only used the 2 meter vertical for transmit and receive.

It is amazing that he was able to make any contacts with just that antenna.

The CJU improved things greatly and the ELK takes it to a new level. He worked PV8DX right at his horizon on FO-29 with it. Yuri has SatPC32 but has not installed it yet due to time constraints. When he is out in the Ocean again, he will install it and get his radio interfaced. This will make it much easier for him to stay on frequency and focus on operating.



Yuri also has a 6 meter rotatable dipole and a end fed long wire that goes from the bridge to the top of the first two cranes.

The MV Barnacle is a sister ship to the Mottler, the ship that he captained last season. It was also built in 2009 and is owned by a Canadian company based in Montreal. The engine room boasts a 10,000 horsepower plant and is controlled by state of the art electronics. I was able to experience an excellent meal on the ship in addition to touring the ship with the Chief Engineer.

Time passes quickly and soon we were at Lock 2 where it was decided

I should depart. Kevin and Donna were waiting there for me; we were 30 miles away from where my car was parked. We stopped at McDonald's to demonstrate my remote control setup but the wi-fi failed so we couldn't do that. After a nice drive and some good conversation we were back at Tim Horton's in Port Colborne. At the US border crossing the agent questioned me as to why I would drive all that way on Easter Sunday just to see a ship go through the canal. After I explained that the captain was a ham radio operator that I had talked with around the world but never met he handed back my passport and said "GO!"

I want to thank Kevin VA3OR/VE3RCN and his wife Donna, VE3WIZ, for spending their Easter Sunday hosting my visit to the Canal. I'm sure they had better things to do but they decided to take me all around and make my visit a memorable one. I hope they enjoyed the day as much as I did.

And a big thanks to Master Yuri Bodrov and his crew for their hospitality.

And also to the Canal Pilot who guided this massive ship through the locks with great precision. It was an experience that very few will ever have.

Yuri is headed down the seaway and should be traveling through new water grids on the way to San Juan PR. He is due there on 4/18. He will stay on until at least the end of May. He does not know where he will go after San Juan. He has truly made operating the birds exciting. QSL to his manager UXOFY (on qrz.com). He has ordered 5000 more qsl cards which should arrive shortly.

73, John K8YSE

Dayton 2012: Another Great Ham Radio Experience by Dan Romanchik, KB6NU

My Dayton experience started at 3:45 am Thursday morning. That's when I had to get up so that I could make it to the Fairborn Holiday Inn in time for the first session of this year's Four Days in May (FDIM) conference. FDIM is a one-day conference put on by the QRP Amateur Radio Club International (<http://qrparci.org/>) and is a great way to start the "Dayton experience."

This year, we were treated to six very fine presentations. They included talks on using microcontrollers for various projects, software-defined radio, VHF and UHF for QRPers, homebrewing with "hollow state" devices (more commonly known as tubes), using open-source electronic design tools, and operating pedestrian mobile. The two talks that I enjoyed the most were "Hollow State (Thermatron) Homebrewing" by Grayson, TA2ZGE/KJ7UM and "Leveraging Free and Open Source Tools in Homebrewing" by Jason, NT7S.



Friday morning, I got up early again, so that I could make the 7:30am bus to the Hamvention. We arrived about 8:00 am, just as the gates were opening. The first thing that I did was to head to the FAR Circuits tent, which is-as the name implies-at the far end of the flea market. There, I made my first purchases, a board to make a regenerative receiver and one to make an audio breakout box.

The rest of the day was a combination of wandering the aisles of the outdoor flea market, fighting the crowds inside the arena, attending seminars, and meeting people that I know. By the time, 4:30 pm rolled around, I was pretty hot and tired. Temperatures topped 80 degrees, and on the blacktop surface of the flea market, temperatures were undoubtedly higher. I was happy to get on the bus and head back to the hotel.

Saturday, was pretty much the same story, except it was even hotter. The temperature almost hit 90 degrees. I didn't bring any sunscreen, either, so I got a little rosy.

I ran into some people that I knew that had just come down for the day, or perhaps that I'd missed the day before. On guy I ran into at the Ohio Repeater Council booth, pulled out his new Elecraft KX-3 and gave me a quick demo. It's actually quite a cool, little radio. I'm still saving up for a K-3, though.

Around noon, I went to the food court for a slice of pizza and a glass of beer. Seating is catch as catch can, so I shared a table with several other hams. This is great because you get to meet all kinds of different people.

This year, an older gentleman sat down next to me with his beer. We got to chatting, and as it turned out, this was his 55th straight year attending the Dayton Hamvention! He started going before it was even held at Hara Arena, and even after they moved to Hara, they didn't use the entire facility as they do now. I'm really glad that I got to speak with him.

So, what did you buy?

I didn't really go down to Dayton with much of a shopping list. In addition to the PC boards, I did pick up a bunch of other little stuff including some strain reliefs, more clamp-on ferrite cores, a paddle pad from Vibroplex (\$1) to keep the paddle down at the club station from sliding around, and some tube sockets! One of the vendors there had a box of tube sockets that they were selling for a quarter apiece or five for a dollar. I picked out five and paid the lady, and as I was walking away, I decided that they were such a good deal that I went back and bought five more.

My biggest purchase was NT7S's OpenBeacon QRSS transmitter (www.etherkit.com). It cost me \$40. It looks like a very nice kit, and I'm hoping to be on 30m QRSS shortly with it. The nice thing about this transmitter is that it has a microcontroller that lets it transmit DFCW and Hellschreiber, in addition to CW. It should be fun to both build and operate.

Too rich for my blood

In other news, both Kenwood and FlexRadio both introduced new radios at Dayton. Perhaps the most buzz was around the Kenwood TS-990. All they were showing was a prototype under a Plexiglass cover. In addition to being incredibly expensive, the radio is huge! I heard someone joke that to produce this radio, Kenwood is going to have to corner the market on buttons and knobs. If you've seen the photo in QST (which was allegedly produced with Photoshop), you'll know what I mean.

The other radio with a bit of buzz is the new FlexRadio FLEX-6000. For the past couple of weeks, the FlexRadio website was proclaiming that this radio was going to be a game changer. Perhaps it is, but at \$6,000+, this radio is out of my league, and too expensive for the majority of radio amateurs. That being the case, I really don't know what all the buzz is about.

I'm sure that the TS-990 and the FLEX-6000 are both great radios, but I think that the law of diminishing returns applies here. At some point, are you really getting \$6,000 or \$12,000 of fun out of the radio? I don't think that I would.

Well, that's it. Another Dayton Hamvention is in the bag. It was a lot of fun, and I'm already looking forward to next year. I've already contacted one of the forum organizers about adding an adult education forum. I think that's something that's both needed and would be popular. I'll just have to make sure to leave enough time to hit the flea market and grab some more tube sockets or coax or whatever.

NODXA Members Demonstrate Amateur Radio to Scouts by David Autry, WD8IOU

On April 14, 2012, several NODXA club members provided a demonstration of amateur radio to the boy scouts at the Polaris Career Center in Middleburg Heights, Ohio. The purpose of the demonstration was to allow the scouts to earn a radio merit badge. There were six scouts, and their instructor, Ed Yager, in attendance. Participating NODXA members were Tedd/KB8NW, John/K8YSE, Al/N8CX, Ron/K8VJG, and Dave/WD8IOU.

Several aspects of amateur radio were discussed and demonstrated. Tedd and John gave a slide show presentation that covered various aspects of amateur radio such as the various license classes, emergency communications, and proper log book essentials. The log book information was important since each scout was going to make an HF contact and would have to record the QSO information.

John gave an excellent presentation on satellite communications. He showed the scouts how simple

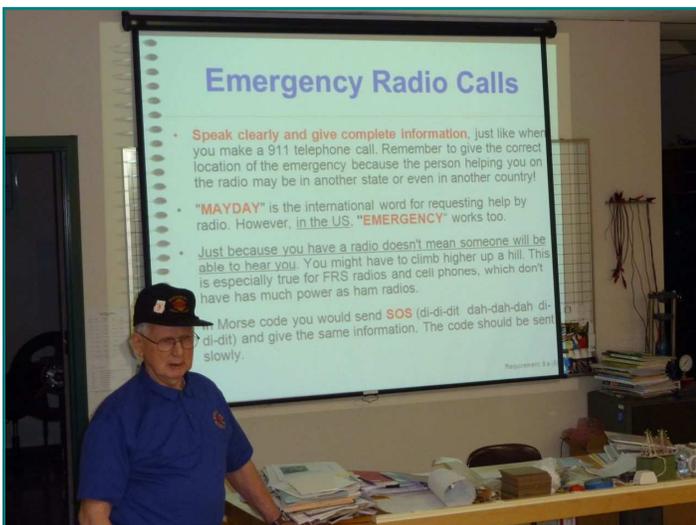
equipment, such as a dual-band HT and a hand-held dual-band antenna, is all you need to work the low earth orbit satellites. Then John made an actual satellite contact by using his laptop computer to remotely connect to his TS-2000 at his home QTH. The scouts were quite impressed by this integration of computers and amateur radio.

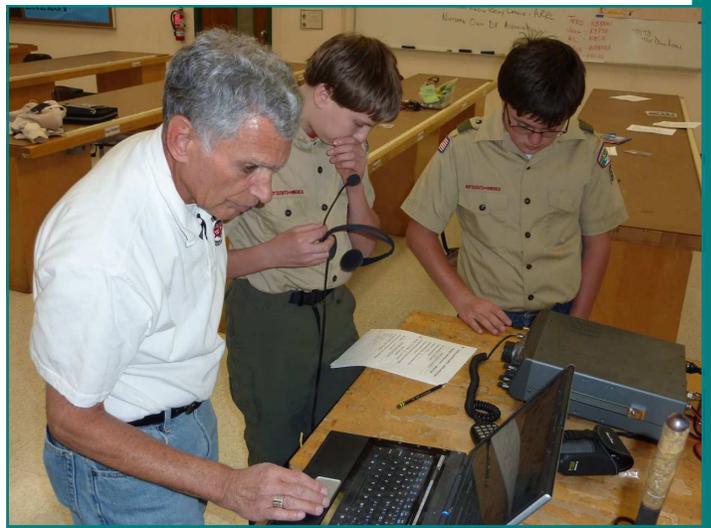
John then gave a demonstration of HF radio. The equipment was a Buddipole portable antenna on the roof of the building and another TS-2000 in the class room. John found a friendly ham in Florida on 20 meters and each scout made a contact. To combat mike fright, a prepared script was provided to the scouts so that they could easily exchange the proper information.

Al gave a great demonstration of the capabilities of Echo-Link using the NOARS (146.700 MHz) repeater. Again, the scouts were quite intrigued by the mixing of computers and amateur radio.

Tedd bought a small portion of his vast QSL card collection to show the scouts all the various countries and people that you can talk to using amateur radio. Several of the scouts enjoyed perusing the cards with the JY1 card being their favorite.

All in all, I think that the class went very well. I had a lot of fun and I'm sure the other members did also. Ed Yager, the instructor, was very appreciative and sent a letter of thanks (and pictures) to Tedd and he also copied the ARRL. There was also some discussion of setting up a club station at Polaris to encourage the scouts to get their tickets.







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 2012-2013

President:	Tedd Mirgliotta, KB8NW	(440-237-2816)
V. President:	Dwaine Modock, K8ME	(440-582-3462)
Secretary:	Glenn Williams, AF8C	(216-221-3682)
Treasurer:	Mary Michaelis, N8DMM	(440-236-5426)
Newsletter:	David Autry, WD8IOU	(440-238-0417)



DXCC Info

As of July 2011, the current DXCC Entities total is: **341.**

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, AF8C, KB6NU, and Ed Yager.