

Q-FIVER

The Official Newsletter of the OH-KY-IN Amateur Radio Society



June 2, 2015 – Club Meeting Program – 2015 OH-KY-IN / ARRL Field Day – Mitchell Memorial Park.

Our June program was given by Eric Neiheisel, N8YC our Director of Field Day Operations for the OH-KY-IN, ARS. Eric has been in charge of this event for the last 10 plus years as was obvious in the Field day pre-meeting just before the actual club meeting started. It was also obvious as he ran through his pre planning meeting that he is focused on the OH-KY-IN, ARS having the best set up possible to insure a successful Field Day event. After all it is a contest right???

When the meeting started and it was time for the program Eric as any good leader would do laid out the game plan for the 2015 Field Day Event. He started out by explain what Field day is to any of our new members or first time visitors. All of the Elmer's in the crowd along with the crew that attends this event year after year take this event very seriously. This team determines everything from how many stations will be operating, what bands will be covered, who is bringing what equipment, how many antennas will be erected, who and how may generators will be available and let's not forget the most important aspect of the event... who will be bringing and preparing the food for the event!

No good Army can be successful unless all aspects of the supply chain has been identified and put in place. I know what you are thinking at this point in my article! This is way too regimented for me as I wouldn't want to get in the way of that well-tuned machine! Well you would be totally misreading my article as this is all done for the newcomer and non-licensed visitors in mind. How you ask? Let me tell you! The OH-KY-IN, ARS wants your first time experience to be your best an Eric's team makes sure that happens year after year.

Take it from this newcomer who has been with the club for three years and has attended OH-KY-IN, ARS Field day all three years you will never meet a nicer bunch of Elmer's in your life! I have helped the setup crew for the last three years in a row and have learned so much and expect that year 4 will be no different. If you want to learn how to set up your own antenna come learn from the best! I am sure that I speak for all of the Elmer's at Field Day when I say "Trainees are more than welcome"! But as with any Field day event your club will not be successful without operators, whether it be experienced operators or the new operator that is throwing our call K8SCH out for the first time. Let's all remember contacts equal points not only for the contest but for each individual who picks up that microphone for the first time and braves their fear of saying something wrong!



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2015 Board of Directors

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Fred Schneider K9OHE..... (513) 729-0945..... fschneider@fuse.net

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Ryan Williamson W1RYN w1ryn@w1ryn.me

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Bruce Vanselow N8BV (513) 251-1555 n8bv@juno.com

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Gary Coffey (513) 382-3879..... kb8myc@fuse.net

OH-KY-IN Repeaters

146.670 (-) Clifton

146.625 (-) Edgewood, KY

146.925 (-) Colerain Twp

443.7625 (+5) Clifton

A CTCSS (PL) tone of 123.0 Hz is required for access to all OH-KY -IN repeaters. All repeaters also transmit a CTCSS (PL) tone of 123.0 Hz

APRS on 144.390 mHz

K8SCH-10 Edgewood WIDEn

K8SCH-9 Clifton WIDEn

For membership information, please contact Nathan Ciufu KA3MTT, 6323 Cinnamon Ridge Dr, Burlington KY 41005, (859) 586-2435 or Email membership@ohkyin.org. Renewals of Club Memberships are due by the end of March.



Permission is hereby granted to any amateur radio group to quote or reprint from this publication, if proper source credit is given, unless permission is otherwise reserved.

THE Q-FIVER is now mailed & e-mailed, it's hoped, a week before the club meeting.

Normally copy deadline is the weekend before that. Please send your submissions for THE Q-FIVER (including notice of upgrades & callsign changes) to Brian K4BRI

These may be: snail-mailed to or dropped off at 6901 Backus Drive, Alexandria KY 41001 or telephoned to (859) 635-3095 any time

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By the time you read this yet another Field Day will have come and gone. If you didn't participate this year hopefully this article will entice you to give it a try next year!!!

I would just like to take this time to thank Eric Neiheisel for not only the program he presented this month but to his years of devotion a dedication to coordinating, and directing the OH-KY_IN, ARS Field day event and for making it successful year after year!

What is next you ask?

7/7/15 – OH-KY-IN ARS, Picnic at Ross Park in St. Bernard, OH...Don't forget to bring a side dish!

8/4/15 – Raspberry PI for Everyone??? Andrew Krew – ND8D

9/1/15 – ARRL Program – Scott Yonally – N8SY

Thanks everyone until next month 73's

Michael Sien – KD8SOH

Vice President OH-KY-IN, ARS

Oh-Ky-In Life Members

John Phelps N8JTP

Kenneth E Wolf N8WYC

John W Hughes AI4DA

Karl W Kaucher KJ4KWR

Minutes of the June 2nd 2015 Meeting

The meeting was called to order by Vice President Michael Sien KD8SOH at 7:36 PM, starting with the Pledge of Allegiance. President Fred Schneider K9OHE was not present due to his wife's medical concerns. 39 attendees included 4 guests.

Robert AK3Q had more from Mike KB4VKS's estate sale, 3 vintage Icom HTs.

Health & Welfare: President Fred K9OHE's wife is having rough year, with more recent surgery; explains Fred's absence.

Ted NC8V had scheduled foot surgery this morning. It went well, he'll be off his feet for about 3 weeks.

Ed WD8NNB's mother is 98, is ill & lacks medical insurance.

Dick Burnes W8RCB's wife Charmaine died yesterday.

Brag: Bruce N8BV displayed his colorful plaque for 1st place Single Operator SSB, 2014 OH QSO Party. "First plaque ever," he said

Announcements: Rob N8JMV announced 25th Annual Milford Hamfest will take place Saturday, June 20. He brought fliers.

Harry KM4CS announced with regret that this is his final Oh-Ky-In meeting. He moves to McKinney TX soon, where he already joined a local club. He eloquently thanked Oh-Ky-In for his years of active membership. Like Bob WA6EZV now in FL, he will maintain his membership here to stay in touch. He & especially his generator will miss Field Day.

Field Day: Eric N8YC went over plans for this year's Field Day, June 27-28 with set-up June 26 from 2 PM at Mitchell Memorial Forest. Those present were encouraged to "come camp!"

Membership: 121 at last report, 1 more this evening makes 122.

Treasurer's report: May financial statement presented. Harry KM4CS moved to accept pending audit as usual, seconded & carried.

Silent Keys: None.

Brunch Bunch: Saturday, June 13, 1 PM at Cabana on the River, Sayler Park.

Technical Committee: Brian K4BRI reported on work party at Hughes High School. Next one at .925. All repeaters operating. Committee to meet Tuesday June 9, 6 PM at Rumpke. All repeaters operating. Point raised that club needs 4 Yaesu Fusion repeaters. Cost is \$500 each. Brian K4BRI said he could apply for

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those. Bobby KD8TPU moved that he do so, Robert AK3Q second, motion carried. Once received, these may not run in digital mode at first. NW may run Raspberry Pi & DStar.

Hamfest: Gary KB8MYC, buy more tickets please! Planning meeting Thursday June 4, 7 PM at Aiken HS. Michael KD8SOH gave out 185 fliers at recent event. Ticket chair Lynn WD8JAW distributed 109 tickets to members, 30% were returned to buy or donate. Holder of ticket # 2055 needs contact Lynn & identify self; wd8jaw@arrl.net by email, (859)657-6161 by phone. Please return stubs filled in; one need not be present to win prizes drawn for, Lynn will ensure yours goes into draw container.

Classes: Will begin late September-early October, Extra will be offered, Robert AK3Q announced.

Cincinnati Preparedness Expo May 30-31 at Sharonville Convention Center: Michael KD8SOH, Ryan W1RYN & Robert AK3Q attended along with 625 others. Exciting & awesome, Michael said; really made impression, Robert added. Robert KD8WLV told Board of this event.

Brian K4BRI reported on recent fox hunt, here & in Dayton. Dick WB4SUV won Oh-Ky-In's most recent mobile hunt, which ended in Western Hills. Dayton both forum & hunt were well attended. If Oh-Ky-In does mobile hunt this month it won't be on 20th due to Milford Hamfest. Brian added that he, Dick & Bob WA6EZV compete at national & international level. Harry KM4CS mentioned coverage in Dayton forum of truly spectacular direction-finding rig.

Tech Talk: Bruce N8BV announced that Rober AK3Q will be NCS tomorrow as usual. Tech Talk has averaged 30-35 checkins lately. There were 39 Sunday on Newcomers & Elmers Net; Mike KD8ZLB tried in vain to be #40.

Recent events on website: Photos of recent NVIS, 2-hour CVG control tower tour & K8VSJ (SK) Northside tower strike are now on website.

Pat Maley KD8PAT confirmed that Queen City Emergency Net will meet Friday, June 19 at the Red Cross as usual. Meeting 7:30 PM, come at 5:30 to "play radio" first. Program will be Field Day.

Health Department Net still needs NCS. Michael KD8SOH confirmed they seem a good group & are still building. Nets have been on K8SCH so far.

Old business: Bruce N8BV mentioned that the new packet repeater in Withamsville is at 110 feet on a 220 foot tower.

RedWhite&BlueAsh is Saturday, July 4; need 2 more volunteers. Call or email Bruce at (513)251-1555 or n8bv@juno.com. Oh-Ky-In gets tips & percentage of money taken in; one year club raised \$1400. Local group D88 will warm up for The Doobie Brothers.

New business, coming meetings & programs: Tuesday July 7 will be club picnic at Ross Park in St Bernard. Please bring covered dish.

August 4 program will be Raspberry Pi.

September 1 program will be ARRL Night with OH Section Manager Scott Yonally N8SY.

Continuing estate sale: W8IIO's widow decided she doesn't need the Icom radios he left (ICT7H \$85, IC2710H \$180), they are now offered for sale by Bruce N8BV.

Bruce mentioned there was **huge** ground crew for recent K8VSJ tower strike.

Door prizes: set of 2 field phones given by John W1SCR, won by Dale KC8HQS who declined; wine voucher donated by Susie N8CGM won by Mike KC8IVR, \$47 pot split won by Bobby KD8TPU.

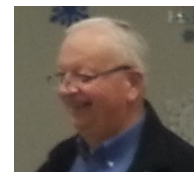
Youngest person present: Jason Nivens Jr KD8ZYR, 10.

Eric KC8NMP moved to adjourn, unanimous second, motion carried; meeting ended 9:50 PM.

Respectfully submitted, Susie Scott N8CGM on behalf of Theodore Morris NC8V

From the President

Field Day is over. Thank you to all of you who helped in any way. Special thanks to Eric N8YC for spearheading, organizing and controlling our efforts. Eric's experience shows and helps a great deal. And special thanks to John, N8JTP for his great cooking that was enjoyed by all. This is one of our major efforts every year, and it is special to see everyone helping and getting along so well. It shows the club's character and our abilities for emergency communication.



The Club meeting on [July 7](#) will be a club picnic. No business meeting will be held – only eating, soft drinks and fellowship. This is always a great time to chew the fat and get to know some fellow hams better. See you at Ross Park in St. Bernard.

The Ohio QSO Party will be on [August 22](#), also at Ross Park, Area 4. More details later.

We will also activate Stone Lick Park on [September 12](#), a new venture for our Club. Again, more details later.

Thank you all for supporting the Club. You do it in many ways, but always competently and faithfully.

73, Fred K9OHE President

Brunch Bunch

The next Brunch Bunch will be held [Saturday, July 11th](#), at 1pm. The location for July is Drew's on the River Sports Bar and Grill located at 4333 River Road, 45204, right next to the Anderson Ferry. Drew's features an oversized, partially shaded patio: a front row seat on the riverbank, perfect for watching the historic Anderson Ferry shuttle folks back and forth from state to state.

For a look at the menu as well as directions, please go to: www.drewsontheriver.com

Remember that the Brunch Bunch always meets the second Saturday of every month at 1pm at a location to be announced each month. If you can't join us this month, maybe you'll be available to join us in the months ahead.

I'm always looking for suggestions on what restaurant you think might be a good place for the Brunch Bunch to visit soon.

73,Bruce, N8BV



DXpedition History by Lynn, WD8JAW

The OH-KY-IN ARS, Inc. of Cincinnati, Ohio has a subgroup identified as the OH-KY-IN DXERS ARS. The purpose of the DXers is to promote activity on the HF bands, i.e. contesting, field day, emergency preparedness by developing quick and simple HF antenna setup systems and, of course, DXing. The DXers highlight activity each year is a trip to an IOTA Island group for a week of relaxing, sightseeing, and operating as an IOTA Island. 2000 was the groups 9th year for a DXpedition! The group has operated from Ocracoke Island, NC; Chincoteague, VA; Tybee Island, GA; Avalon, NJ; Assateague Island National Seashore, VA; Sullivan's Island, SC; Emerald Island, NC and, this year, from Topsail Island, NC.

We plan our trip for the second half of September each year for several reasons. First, we go when seasonal rates for Oceanside property rental is lowest. Second, usually there are fewer people in the resort areas and thus less chance of causing interference which could take us away from operating to address. Third, with fewer people around we get fewer persons questioning the propriety of our antenna setup, and finally, it is easier for many of the participants to get vacation time because kids are back in school. Our choice of destination is influenced by two (2) factors: The location qualifies as an IOTA contact and driving time is no more than 16 hours from the Greater Cincinnati area.

September is the early part of the Hurricane season and we must be very watchful of the weather reports. It was necessary for us to adjust our initial plans twice over the past four (4) years. In 1997 our trip to Emerald Island had to be rescheduled for October. The trip in 1999 to Top Sail Island was totally canceled due to hurricane Floyd because of the widespread damage and flooding. Our rental unit survived but access roads were unpassable and the authorities did not want outsiders in the area. This was especially disappointing since ICOM had provided us an IC 746 on loan for this DXpedition.

One might think that our trips to areas subject to almost annual natural disasters in the form of hurricanes would be welcomed by local officials and residences. These are the folks who have benefited from the emergency communications provided by amateurs, as well documented by newspaper reports. We go out of our way when investigating potential QTHs to explain to the rental agent what we plan to do. We also request the rental agent discuss our operation with the property owner. Our sole intent is to make sure everyone involved is fully aware of our plans. Most rental agents are familiar with amateur radio and the types of antennas used. If they have questions we go overboard to explain our operation. The property owners are primarily concerned with how we attach our antenna and ask if there will be any permanent marks or nail holes, etc. We erect a 35' high, air powered, pneumatic mast topped with a 3 element yagi and dualband vertical. Guy ropes are fixed to 6 stakes driven into the ground. If suitable tie offs, such as fence post, porch post, or trees are convenient we will use the alternate instead of driving a stake.

Our first contact after deciding where to go is with the administrator of the political entity to determine if there are any antenna restrictions and/or requirements. In most cases we are referred to a zoning person or building inspector. This particular group of administrators are familiar with what we do, and our antennas. Our explanation is centered on how we install and support the tower. We have had a few cases where we were advised antennas were not allowed. A negative response is rare and we usually don't pursue the issue. We just move onto another potential area. The great majority of the time we get a positive response to erecting a temporary antenna without any special requirements. Next we go to the rental agent and again explain the situation adding the critical fact that the zoning group has OK'd our operation. It is evident that the rental agent wants the business and doesn't want to immerse themselves in the details. Once they hear we have zoning board permission they readily agree that we won't have any complications wherever we locate. As previously stated we encourage the rental agent to advise the owner but we don't know if this is accomplished or not. Once these two (2) steps are completed, we make our QTH choice and pay our money.

The first 2 DXpeditions were to Okracke and the participants operated from the home of an amateur with a permanent antenna installation. Next trip was to Chincoteague.. The antenna was set up next to the pool at a motel! 1994 was my first trip with the group. One of the members obtained permission from the National Park Service to set up on Assateague Island. No one is allowed on Assateague at night because of the wild horses living there but we were permitted to have one person stay on the island to provide equipment security. The week end we were on there happen to be the weekend of the Granada invasion. Many visitors to our station thought we were covert communications for the military! You can image the fun we had with this one.

Next was a visit to Tybee Island and here we experienced our first incident with an uninformed rental agent. The agent was contacted by a neighbor because we had mistakenly tied our guy ropes to a palm tree on the neighbor's property thinking it was on our rental unit property. The neighbor wanted the antenna taken down! The agent came to our place, explained the purpose of the visit then insisted we shut down and take down our antenna. When we reminded the agent we told them what we would be doing and they gave us permission to operate, the agent admitted they had no idea of what we would be doing or what our antennas looked like.. After some discussion, the agent and neighbor agreed to let us operate if we redid our guy tie off. We corrected the situation immediately and the rest of the trip was uneventful. Later we found out the neighbor was the family who controlled much of the business on the Island. This explained the actions of the agent when we were told to shut down. We learned a lesson here...always make sure the rental agent knows exactly what you are doing and what kind of antennas you will be using. We now get this in writing.

Our new strategy of working with the rental agency almost caused us to cancel our trip to Sullivan's Island in 1996. The rental agency said we needed to get the OK from the zoning board before they would give us the OK to operate from the rental unit. Dick, WB4SUV contacted the proper zoning official and explained our intentions. We waited and waited for word from the official for a decision so we could finalize our plans. One week before we were scheduled to leave home, we got word that current zoning did not allow any antenna structures. Several years earlier, Hurricane HUGO, devastated the area. Zoning regulations were passed to keep people from building within a certain distance from the beach. This restriction included antennas, even a temporary setup was prohibited. Dick, WB4SUV, starting calling hams in the area to see if anyone could help us get a temporary stay of this restriction. Dick's first call turned up a ham who had a 70' tower but no antenna mounted on it. The antenna was damaged by the hurricane but the tower was in good shape. He offered us the use of the tower and his enclosed back porch for our operation. All we had to do was mount the antenna on the tower. This worked great for us and Bill Brown, WA4TNW was able to get back on the air for a few contacts. The zoning people drove by our operating QTH to keep an eye on us but they could not do anything about the operation. While operating from WA4TNW's porch we did have an interference problem. We were getting into the phone lines of a church located just across the street from our operation. We anticipated the potential for this happening and so we carry a supply of phone line filters. These were installed and the situation explained to the staff. No additional interference was reported after our remediation work. We did retrieve the filters when we shut down.

I missed the Emerald Island trip. Hurricane BERTHA forced us to reschedule to October 1997 and a previous commitment forced me to cancel out. However those who did go had a great time. I was told the only negative were the giant mosquitos.

Avalon, NJ trip went smooth and this trip was our first for a full 6 days.

Our 1999 trip to Topsail Island was canceled due to Hurricane Floyd and we could not reschedule due to damage in the area.

Our trip to Topsail Island during September, 2000, turned out to be the most frustrating and we had to cut our operating time short by one day because of RESTRICTIVE COVENANTS. Following is our story.

As previously mentioned, our planned trip to Topsail Island in 1999 was canceled due to hurricane Floyd. Since we already had a contact and QTH identified there, it was logical for our group to decide to try Topsail in 2000. I called the rental agent on April 25, 2000. The very first piece of news I learned was that our 1999 rental agency was sold to another local agency and the agent we had dealt with did not go to work for the new company. After explaining the reason for my call and asking about the property we planned to rent in 1999, I was informed the property was not available in 2000. Apparently the owners decided to remove the property from the rental market. So we had to start from scratch to locate a suitable QTH and follow up with the local authorities to find out if there were any antenna restrictions or requirements. Topsail Island is about 6 miles long. There are three (3) distinct political entities: Top Sail, Surf City, and North Top Sail Beach. Looking for a rental property that is suitable for eight (8) people and has sufficient space for our antenna would involve exploring properties in all of the cities on the island. We used the rental agency web site to review all available properties. As we whittled the possible locations down to a manageable number of choices we soon realized that we could be anywhere on the island. Before making a final choice I decided it best to check with the town manager of each city to find out if there were any antenna restrictions and/or special conditions or permit requirements in any of the cities. To our pleasant surprise none of the cities had any rules, laws or regulations that would restrict us from putting up a temporary antenna. One of the cities did require us to have the building inspector look at our antenna after it was in place and pay a \$10.00 permit fee. The other two (2) cities had no requirements whatsoever pertaining to our proposed antenna installation. This knowledge took a load off our mind and gave us greater freedom in picking a QTH. After much discussion amongst ourselves we finally settled on a rental property build on a inlet of the Inter-coastal waterway and within 2 blocks of the Atlantic ocean. Perfect for relaxing and operating IOTA. I advised our rental agent of our choice, told them to prepare the rental agreement, include under special description "Amateur Radio Use", and make sure the owner was made aware of exactly what we planned to do and how we planned to accomplished same. Next, I contacted the building inspector to let him know where and when we would be putting up our antenna just in case he might get some questions from local people about our antenna. He thanked me for the information and sent me a fax saying that the city "does not require a permit for use of ham radio and associated equipment, (such as an antenna) on a temporary basis." Before returning the signed rental agreement with the requisite payment, I called the rental agent. I wanted to confirm they had explained our purpose and method to the property owners. The rental agency assured me everyone was on board and everyone understood about our antenna. I mailed the agreement and check on June 27.

Now all we had to do was to finalize our equipment list and determine who would drive, our travel route and time of departure. The QTH was large enough to accommodate additional people so the DXers continued to promote our trip at every meeting and on the local repeater. Shortly after all details were wrapped up one of the group had to back out because his company needed him in some special training class. We found a substitute but due to some extenuating circumstances associate with a house purchase that person had to back out. So at 4:00AM, Saturday, September 23, seven (7) DXers set out in three (3) vehicles loaded with equipment, anten-

2015 Committee Chairs and Appointments

Newcomers/Elmers Net..... Robert Gulley AK3Q
Technical CommitteeBrian DeYoung, K4BRI
ARPSC Representative.....Jerry Shipp W1SCR
Volunteer ExaminersBrian DeYoung K4BRI
QCEN Representative Pat Maley KD8PAT
Membership Nathan Ciufo KA3MTT
Fundraising Bruce Vanselow N8BV
Education Robert Gulley AK3Q
Repeater Control Ops Mgr Bruce Vanselow N8BV
PIOTed Morris NC8V
Librarian open

Q-Fiver Editor Brian DeYoung, K4BRI
Field Day..... Eric Neiheisel N8YC
Historian Dale Vanselow KC8HQS
Special Publications Jo Haltermon KD4PYS
Fox Hunters Dick Arnett WB4SUV
Equipment Mgr Brian Fulmer KC8FJN
WebGeezer Russ Hines WB8ZCC
Silent KeyBruce Vanselow N8BV
Tech Talk Net MgrBruce Vanselow N8BV
K8SCH QSL MgrGerry Weimer KD8ASL
TV/RFI Dick Arnett WB4SUV

Someone paid for a hamfest ticket at the May meeting but forgot to give Lynn the name associated with it—Please contact Lynn WD8JAW if you have ticket #2055 at wd8jaw@arrl.net

July Calendar

Wed July 1	9:00PM	Tech Talk, NCS Robert AK3Q
Sun July 5	7:00PM	Newcomers/Elmers Net, 146.67 146.67, Topic: Good Audio On and Off the Air —NCS Robert AK3Q
Tue July 7	7:30PM	Club Meeting at Ross Park in St Bernard Recreation Hall, 120 Washington Avenue. Program: Club Picnic
Wed July 8	9:00PM	Tech Talk, NCS Brian K4BRI
Sat June 11	10:00AM 1:00PM	Mobile Foxhunt—Start at Mt. Storm park in Clifton—talk-in on 146.670 Brunch Bunch at Drew's on the River Sports Bar and Grill located at 4333 River Road, 45204
Sun July 12	7:00PM	Newcomers/Elmers Net, 146.67 146.67, Topic: What is Resonance? —NCS Robert AK3Q
Tue July 14	6:00 PM	Technical Committee meeting—possibly Hughes HS, the 440 repeater site
Wed July 15	9:00PM	Tech Talk, NCS Dale KC8HQS
Sat July 18	10:00 AM	On-foot ARDF style fox hunt—location to be announced
Sun July 19	7:00PM	Newcomers/Elmers Net, 146.67, Topic: FM DXing —NCS Robert AK3Q
Tue July 21	7:00 PM	Board of Directors meeting
Wed July 22	9:00PM	Tech Talk, NCS Brian KC8FJN
Sun July 26	7:00PM	Newcomers/Elmers Net, 146.67, Topic: Favorite Books about the Hobby —NCS Robert AK3Q

The Elmer's Corner : A Broomstick Antenna

Hi Folks!

I thought I would share an easy antenna project this month that can be used for reception (an transmitting with some modifications) that can be built in an evening.

The Broomstick antenna is a very simple, yet very effective antenna which can be built with materials readily available in any hardware store. I am indebted to Professor Arnie Coro for his kind permission in allowing me to highlight his antenna design, and for his gracious emails giving me some of the background to its design. You might recognize Prof. Coro as the voice of **DXer's Unlimited**, a radio show from Cuba devoted to the radio hobby, featuring technical advice, propagation forecasts, and much more. Here is a step-by-step guide to building this antenna provided by Arnie himself:

"Yes, this is a "helically wound" wire antenna. It can be built in a few hours... it will take longer if you really want to make it look pretty... UGLY versions can be assembled in minutes. It MAY be used without an antenna tuner, BUT... it works best when you do USE a TUNER.



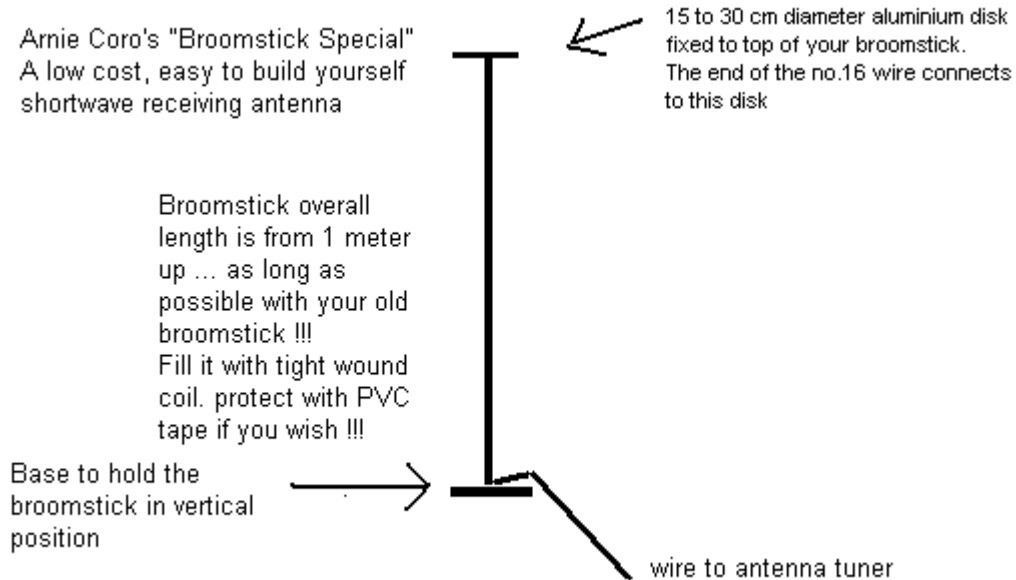
Here are the easy-to-follow, step-by-step building instructions for Arnie Coro's "Broomstick Special:"

1. Obtain a nice broomstick.... you can use a "classic" wooden dowel broomstick, or substitute heavy walled PVC plumber's plastic tubing
2. Diameter of broomstick is not critical; anything from about 1.5 centimeters or better will work (this means that PVC tubing of about 19mm or 3/4 inch is ideal)
3. Prepare a base to hold the broomstick or PVC pipe vertical... Use a wide base, with enough counterweight attached to keep the broomstick vertical (I use mine next to the bedside radio, have convinced the wife that it is "modern art"!)
4. Obtain an aluminum disc of no less than 15 cm (6 inches) diameter. I prefer using a disc of around 30 centimeters (12 inches) but this is not critical. DO USE THE DISC... as it provides a capacity hat termination and helps reduce NOISE PICK UP
5. Obtain enough No.16 PVC plastic covered household wire; this is the ideal choice, but if you can't find it, then you may use No.16 or No.18 enamel covered copper wire (the one used for winding motors and transformers). If you can't find No.16 PVC covered wire, then your second best choice is No.18 "speaker wire"
6. Connect one end of the wire to the aluminum disk, and start winding a uniform coil using the "broomstick" as the coil form. YOU WANT A NEAT JOB! Turns should fit tightly one next to the other... the "broomstick" will be filled with the wire forming the coil... When you arrive at the bottom end, make a termination—I use a long bolt with nuts and washers to which I tie the end of the wire, and another wire that goes to the antenna tuner. This wire that goes to the tuner can be from 1 meter to 3 meters long (from 3 to 10 feet) but DO KEEP IT AS SHORT AS POSSIBLE.
7. After the antenna is built, you may want to protect it with tightly wound PVC plastic tape over the wire. For EXTRA protection, you can paint the whole antenna with several coats of SPRAY ENAMEL...
8. The antenna works best near a WINDOW!!! Or better yet, you can install it in your balcony or garden... BUT DO KEEP THE CONNECTIONS TO THE TUNER SHORT
9. The antenna is RESONATED with your antenna tuner.... YOU MAY USE IT WITHOUT A TUNER but results are not going to be as good as when the antenna is connected to the receiver via a well-designed antenna tuner
10. YES... YOU MAY USE IT FOR TRANSMITTING.... BUT... according to recent medical research information, keep it as far away as possible from your body!!!

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11. The helically wound "broomstick" is a lot of fun to experiment with... It works best when you provide a ground connection to the antenna tuner - receiver combination. One way of providing an "artificial ground" is to connect a length of wire of no less than 5 meters as a "counterpoise," meaning that you can let the wire hang along the floor or garden. Using the "broomstick" with resonant radials turns it into an excellent amateur radio antenna for a specific band... For example with 4 radials cut for the 15 meter amateur band and a 4 feet high broomstick, (about 1.5 meters)



I can work a lot of stations on 21 MHz, something I do often to demonstrate to visitors what can be achieved with simple home-brew antennas, even when you don't have a lot of space."

I have built one of these antennas and they do work!! Give it a try, and just be patient with the winding – your hands may very well get a little tired! Build it with a friend—three hands are better than two!

73, Robert AK3Q

Foxhunting and ARDF

The June mobile hunt had the two regular hunters, Dick WB4SUV and Marji KJ4ZKC & myself. Good signals from the start, and they pointed SSW from Mt Storm—pretty much right at the Ludlow Bromley Yacht Club (memories of a nice lunch from a previous hunt). We headed south down Spring Grove and Dalton, with the primary purpose of determining if Phil was in KY or OH. We got to River road, and went out to the Speedway—NNW—so he is in OH. We started up the hill and the signal went way down—but the direction was the same. Marji thought we were going the wrong way, but I know Phil was just changing power. My gut feeling was that he was in Embshoff Nature Preserve—and he was! We beat Dick!!!

In July, the mobile hunt will be on July 11th starting at Mt. Storm park at 10:00 AM, setup to be before that. The on-foot ARDF style hunt will be on July 18th, location to be determined.

The USA and IARU Region 2 ARDF Championships are just around the corner, so there will be lots of on-foot ARDF style hunts in the next 8 weeks. See <http://homingin.com/farsnews.html#colo15>



DX Spots—July 2015 de KA3MTT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 HC8 - Galapagos Thru 7-14 	2	3	4 
5	6 E51AGY - S. Cook Isl thru 8-1 	7 AF2LL - Cayman Is Thru 7-12 ----- S79OWZ - Seychelles thru 7-18	8 VP2MLU - Montserrat thru 7-17	9	10	11 C4HQ - Cyprus Thru 7-12 ----- OJ0S - Market Reef thru 7-18
12	13	14 TF - Iceland Thru 7-21 	15 FP - St Pierre & Miquelon thru 7-21 ----- J20JM - Djibouti Thru 9-15	16 S79HN - Seychelles Thru 7-20 	17	18
19	20	21	22	23	24	25
26	27	28 V29SH - Antigua & Barbuda thru 8-8 	29	30	31	

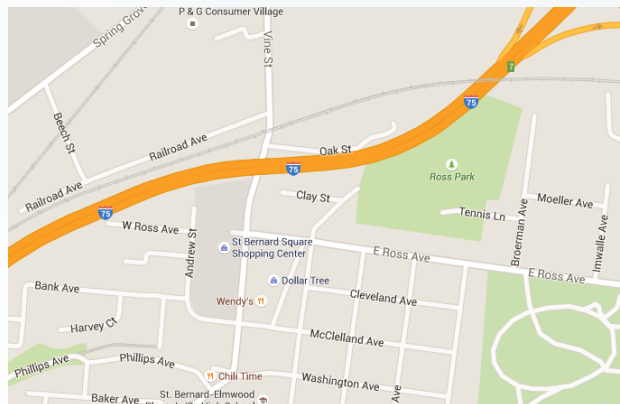
OH-KY-IN Amateur Radio Society

Regular monthly meetings are held the first Tuesday of each month at 7:30PM local time at the St Bernard Recreation Hall, 120 Washington Avenue (corner Washington & Tower Aves) in St Bernard, just east of Vine St. Please come in the doors at street level, facing the high school. Visitors are ALWAYS welcome!

The Next Oh-Ky-In Meeting to be held on Tuesday, July 7th at 7:30 PM at Ross Park in St Bernard

The annual Club Picnic will be the July meeting—please bring a side dish or a dessert to share. No business will be conducted—just good fellowship. Come on out and enjoy a picnic!

Ross Park in St. Bernard is just north of our regular meeting place.



OH-KY-IN Amateur Radio Society

Q-FIVER Editor
Brian DeYoung, K4BRI
6901 Backus Drive
Alexandria, KY 41001

Phone: (859) 635-3095
Web: www.ohkyin.org
E-mail: k4bri@arrl.net

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