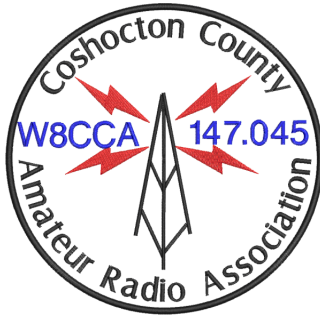


MARCH 2010 Newsletter



COSHOCTON COUNTY AMATEUR RADIO ASSOCIATION

PO Box 501
Coshocton, OH 43812
www.w8cca.org

50 Year Member of ARRL - 2009

MEETINGS:

1st Tuesday of each month, 7:00 PM at the
Coshocton County Services Building,
724 South 7th St, the lower level.

NETS

- Coshocton Co. ARA - - Coshocton Co. ARES -
Sunday 2100 Hrs EST Monday 2100 Hrs EST
W8CCA Club Rptr KE8XM ARES Rptr
147.045 MHz 145.230 MHz
- Johnny Appleseed -
Friday 2100 Hrs EST 28.450 MHz SSB

REPEATER LINK Coshocton County - - 440 MHz & 145.230 MHz

KB8JSC Rod sponsor

In January 2009 KB8JSC went on the air with a
440 MHz repeater on 443.5375+ MHz. [Open]

- EMERGENCIES -

- SKYWARN - - HAZMET -
Tune to 145.230MHz (When requested)
During bad WX

COSHOCTON COUNTY EMA

James Van Horn:

www.coshoctoncounty.net/agency/ema

Tel: 740.622.1984

**DAYLIGHT SAVINGS TIME Starts: March 14,
2010 Ends: November 7, 2010**

* CLUB ELECTED OFFICERS *

PRESIDENT

Randy Fisher, KL7RF kl7rf@arrl.net

VICE PRESIDENT

Matt Wolff, KD8LNA wolff_pack@sbcglobal.net

SECRETARY

Pat Tucker, KB8CRB tucker7057@roadrunner.com

TREASURER

Tom Cordes, KB8HEA tcordes@columbus.rr.com

TRUSTEES

Colleen Wheatcraft, AA8UA aa8ua@arrl.net

Craig Affolter, K8CAA craigaffolter@ymail.com

Ron Carns, N8KRR n8krr@arrl.net

COARVET MANAGER:

Steve Wheatcraft, AA8BN aa8bn@arrl.net

MCC REPRESENTATIVE

Dan Hardy, N8VV n8vv@arrl.net

COSHOCTON CO EC

Bruce Adams, KE8XM bruceadams67@yahoo.com

COSHOCTON CO AEC

Dan Hardy, N8VV n8vv@arrl.net

Steve Wheatcraft, AA8BN aa8bn@arrl.net

Randy Fisher, KL7RF kl7rf@arrl.net

Tom Cordes, KB8HEA tcordes@columbus.rr.com

HISTORIAN

Pat Tucker, KB8CRB tucker7057@roadrunner.com

COSHOCTON COUNTY ARES®

Emergency Coordinator

Bruce Adams KE8XM bruceadams67@yahoo.com

Assistant EC

Dan Hardy N8VV n8vv@arrl.net

Steve Wheatcraft AA8BN aa8bn@arrl.net

Randy Fisher KL7RF kl7rf@arrl.net

Tom Cordes KB8HEA tcordes@columbus.rr.com

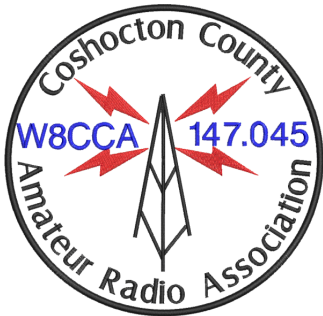
SEVERE WX AWARENESS WEEK

MARCH 21 - 27

STATEWIDE TORNADO DRILL

March 24 at 9:50 AM

MARCH 2, 2010 CLUB MEETING



Hopefully we will have good WX for this meeting at the County Services Building at 724 S. 7th Street at 7PM. The program for the evening will be a **Reminiscence** of your ham radio experiences; how you got started in ham radio, like pictures of first rigs, antennas, station setups, etc, all will have time to; "Share, Show and Tell a little history of Amateur Radio." Hope to see everyone there.

PREZ SAYS... Moving into 2010, the CCARA has passed quite a milestone in its long history. Actually, it is a long association with the American Radio Relay League. Some months into 2009 we heard from our ARRL Great Lakes Division director, Jim Weaver K8JE, that our club had been an associated club with them for over 50 years. Jim said that the ARRL would like to honor our club with a plaque to commemorate that association. It took some months for the plaque to be made and schedules to be worked out, but Jim planned to attend our club's meeting on January 5th of this year to make the presentation and give a talk on timely amateur radio concerns.

Well, as you may well know, old man winter had a few tricks up his sleeve and gave Ohio a good snowstorm for that day. Jim had to call off, and indeed, our club meeting had to be canceled because of the snowfall and driving conditions. Jim finally decided to send the plaque to us in the mail so that we would at least have it in our hands, so on February 2nd we were able to celebrate with cake and goodies, our long time

association. We had a great time.

Actually, as of January 2010 we have been with the ARRL for 51 years.

Another highlight of the year was the presentation of a lifetime membership award given to Pat Tucker KB8CRB. Pat has long served the club in most, if not all of the officer's positions. She is currently the club secretary (and has done a fine job in that capacity for many, many years – thanks Pat). Actually, her father was a founding member of the club those 50 plus years ago. The whole club was pleased to honor Pat with this award during our December meeting. Unfortunately in the preparation of the certificate, the word Coshocton was misspelled, so we prepared a new one and staged a presentation again at the February meeting for the camera.

Even though our weather was relatively mild for most of last year, precluding call-ups of the SKYWARN nets, let us be thinking of keeping our equipment in good condition, check into the local nets on a regular basis, and be prepared for whatever 2010 has in store for our county. We have our Field Day location secured for this June. The solar cycle is slowly swinging upwards, so let's make this a great year for ham radio in Coshocton County.

Randy Fisher KL7RF

THANK YOU FROM KB8CRB



I would like to thank the club members for awarding me a Life Member Honor. I was quite surprised at the December 2009 meeting when given the very nice certificate from the club.

Pat KB8CRB

#1 DXCC HONOR ROLL



After 18 years of DX, I finally succeeded in achieving #1 DXCC Honor Roll, the ultimate goal of DXers everywhere. My award is for mixed and phone. I have worked all 338 current entities (countries), my total count is 342. The total listed, with 338, are over 600 Hams in the world in the phone category, with half of those being US Amateurs. In the Mixed category of 338 total, there are around 1400 Amateurs around the world listed, with half of those being US Amateurs with #1 Honor Roll. The simplest award, ARRL DXCC, requires contacting and confirming 100 entities. The next major level is DXCC Honor Roll. This currently requires confirmation of at least 329 contacts. The last entities become increasingly more difficult. The top award is # 1 DXCC Honor Roll. This requires working all current entities of which there are 338. Some of the 338 entities have no inhabitants, so we wait for Dxpeditions to travel there and put them on the air. Those are the ones you need to work and not miss, as they may not appear again for several years. In 1995 I had 300 confirmed. Getting to 338 was a bit more difficult. In addition to all the great QSL cards I have, the physical evidence of all the years of DXing are represented by the very nice #1 DXCC Honor Roll plaque, a lapel pin and endorsement stickers. My Cushcraft A3 beam, with a 40m add on kit and a delta loop on 75m were used for antennas. An Ameritron AL811 helped in the pileups. The rig is a TS-440s. For those of you, that want to learn more about DX, go to: <http://www.arrl.org/awards/dxcc/>.

73 Gud DX

AA8BN

WINTER REMINISCE from: Charlie KB8PXM (CARA)

The Ground Hog Got Us!

The little furry critter looked so cute, till he saw his shadow. Now after seeing three storms come through in a row and the snow pile up he has lost some of the cuteness. Instead of the silent countdown till April when the pontoon boat goes back into the water and fishing gear that needs cleaned up. Thoughts of cleaning the 220 swift rifle and groundhog hunting come to mind. Was kind of nice seeing an old fashioned snow storm out the window after the family was safely home from work and off the highways. As the big flakes fell and the snow piled up somewhere the power lines shorted and the lights went out. Déjà vu..... Memories come back of a storm around Christmas a few years ago and of similar storms in the past. Those times were survived with a portable generator that allowed the gas hot water boiler and pumps to circulate the water to keep the house warm with enough to run the radio and TV. Also how the gas can was rigged to allow the generator to run longer between refilling. Over the three day period it ran one time 10 hours once, then would lose prime other times in as little as ½ hour. It was an interesting time not knowing how long till the trip out in the cold to restart it. This time around being blessed and having the automatic backup Generac hooked to the natural gas line, in about 30 seconds the lights came back on. Fortunately for people who are not so blessed, the power was restored in about three hours once again. As the next day begins looking out to find 13 inches of snow in the driveway. Really does not look so deep till the dog goes out and suddenly has no legs visible. Poor guy has no desire to be in the yard and stays in the driveway that was just cleared, no looking for the neighborhood cat that sometimes wanders in his territory today. With bad weather, at work only the high spots were looked at, then back to the house to wait in case someone calls. Suddenly things like antenna work that was not done are remembered. The one end of the inverted Vee that was taken down for other reasons needs stretched to a tree, where the snow is now so deep. Best part about Amateur radio is there is so much to do, so the wire antenna is still waiting and the vertical comes to the rescue.

A few days go by the roads clear and here comes another snow storm and more on top of what is left over. This time around I am watching the weather channel, the picture begins to start tearing. Up comes a message, searching for signal. Time to get the pole and go out to brush off the dish. Going through the back yard I suddenly realize the snow is way over the knees

and not far from the seat of my pants. Best part is if one falls over the ground is not so hard. Again I think about the wire antenna that needs stretched out, only to put it off again.

After going to work again to hit the high spots the day is cut short and home to be safely off the roads. After an experience of bad roads and being in an accident a few years ago it feels good to be home. Soon everyone else is off work again and also make their way home to safety. My son Charlie decides to get on his ATV and play in the snow, somehow it does not interest me after doing it at work. I will have to say that watching him drive into the yard where the snow has not been plowed and get stuck, then watch as he works so hard to free it was kind of fun.

During the snow I found time to work on some projects I had forgot about laying around the shack. So easy to get distracted these days. Hope Rose does not see this she does allow me to have my junk and put up with me, I got a good woman. Guess it is a sign of getting older but with having to battle the weather at work, when the Mansfield Ham Fest rolled around going out in the cold did not appeal as in the past. Still hate to miss it, always like to see ham friends whom do make it. One never knows who will not be around next year, could be me. I remember when younger always putting off visiting thinking about doing it tomorrow, now being older I find there may not be as many tomorrows for some as others. Gone but not forgotten are W8JNS and W8MO to name a few. I was talking with a friend a few days ago also a ham. For one reason or another we are not as active on the radio as in the past, but have turned into listeners now. The other night there were a bunch of fellows from around Shreve on the 146.67 repeater and it was fun listening. It reminds us of how much fun it was working upgrading licenses, working with antennas, trying different things that sometimes did not work. Field day down at Keen stringing a wire antenna in the dark when someone was pushing a pole through a pine tree. On the receiving end we realized standing there it would be easy to poke an eye out in the dark by not seeing it coming through. Or the fox hunt for the monument in the cemetery. Will never forget the story someone told of way back when all telephones used a switchboard and someone had to plug the line into a plug to complete the line at a switch board. Not like today where a cable is buried or contains 100 pairs. Those days every wire was all over head and had its own insulator on the pole strung in the air. Anyway some ham found out that it was a pretty good random length wire antenna too. The problem came one day

when the operator went to connect the line while the fellow was transmitting and the spark jumped quite a ways on her end.

So that said still counting down till April looking at the pontoon boat in the back yard under the snow while cleaning the rifle just in case the ground hog shows up again here in Mount Eaton.

"Still counting down, waiting for Spring!" Charlie

ARES®

No emergency operations were conducted in Coshocton County during the first month and a half as this is being written. We did submit two annual EC reports: SET report and EC annual report. We also submit FSD 212 monthly reports. Included in our January report was the number of nets and man hours and the inspections & tests of the five stations around the county with time spent. This totaled 17 hours. We are also collecting annual member registration forms for 2010. These can be found on the CCARA web site under the ARES® tab, everyone needs to complete this form and return to ARES®. You can mail these to CCARA, PO BOX 501, Coshocton, OH 43812 or email to Dan, N8VV, AEC, n8vv@arrl.net. If you are a Ham and seek to be a part of Coshocton Co. ARES, please fill out this form and submit as listed above. Membership in the ARRL or any local or national organization is not required. A desire to provide your expertise in COMMUNICATIONS when called upon is all that is required, a desire to help the community during times of need. Thanks to all who have completed this task.

An ARES membership meeting will be conducted Feb 27 at the Coshocton Public Library, Basement meeting room. 10 AM - noon. Please plan to attend.

73

Steve, AA8BN / AEC

"CW" "CW" "CW" "CW" "CW"

WHEN ALL ELSE FAILS

You have the reliable 'spark'!



TEST INFORMATION

ARRL AMATEUR RADIO EXAM SESSIONS

Coshocton, Ohio

Conducted by the Coshocton Ohio Amateur Radio Volunteer Examiner Team, sponsored by the Coshocton County Amateur Radio Association, W8CCA
Walk-in and pre registered sessions are available throughout the year.

Contact us for other dates and times to set up a session for you !

All Exam elements are available.

The 2010 exam fee is \$15.00. Exact amount appreciated.

Checks made out to ARRL/VEC are accepted too. A 2nd version of exam is available, at VE Discretion, time permitting. An additional \$15 is needed.

REQUIRED: >PHOTO ID (driver's license, passport) or two forms of non-photo ID.

Bring a legal photo ID (drivers license, passport) OR, when no photo ID is available, two forms of identification must be presented (birth certificate, report card, library card, Social Security card, utility bill, bank statement, Non-photo ID/driver's license, etc.).

Students may bring a school ID card, minor's work permit, school report card, library card and/or a written note from a legal guardian.

If you don't have ID, then no exam will be administered.

>CURRENT ORIGINAL AMATEUR RADIO LICENSE and COPY and ORIGINAL valid CSCE(s)

If applicable, bring the original and a photocopy of your current Amateur Radio license and any Certificates of Successful Completion of Examination (CSCE) you may hold from previous exam sessions. The photocopy(s) will not be returned.

If you already have a license, then you need your FRN number on the 605 application.

>Social Security number or FCC issued FRN.

Already licensed, then you need the FRN number. (The

FRN is viewable by doing a search for LICENSE at the FCC WTB ULS web page (<http://www.fcc.gov/wtb/uls>).

Bring your Social Security Number (SSN) or your FCC issued Federal Registration Number (FRN).

VEC's are required by FCC to submit either your SSN or your FRN number with your license application form. If you prefer not to give your SSN, then you may use your FCC issued FRN, if you have one. For instructions on how to register your SSN with the FCC and receive a FRN, visit the ARRL web page:

<http://www.arrl.org/fcc/uls101.html>.

>Bring cash, check or money order to cover the exam

session fee.

>We have NCVEC 605 forms at session. Handicap accessible; copy machine available.

Contact person: Colleen, AA8UA 740.622.5761

Email: aa8ua@arrl.net

AA8BN, Session Mgr., good luck

FREE SAMPLE TEST SITE

Upgrading your license, go to the following website for practice tests for aid in preparing for the upgrade.

copaseticflow.blogspot.com

ARLX004 NCVEC

Releases Second Technician Question Pool

In January, the Question Pool Committee (QPC) of the National Conference of Volunteer Examiner Coordinators (NCVEC) released the 2010 Technician (Element 2) Question Pool. Upon further review of the pool, members of the QPC found and corrected more than 50 minor typographical errors and clarified the questions and answers, making them easier to understand. These adopted changes are now incorporated in a revised question pool. The errata list, as well as the revised Technician question pool, is available on the NCVEC Web site at:

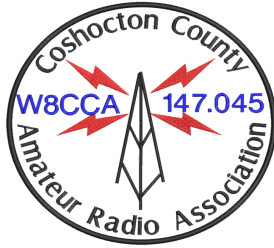
<http://www.ncvec.org/>. The previously released pool dated January 4, 2010 is invalid for use. The newly revised Technician question pool will become effective for all examinations administered on or after July 1, 2010; it will remain valid until June 30, 2014. The current Technician question pool that became effective July 1, 2006 will expire June 30, 2010. The new Technician pool contains approximately 400 questions, from which 35 are selected for an Element 2 examination; it will contain graphics and diagrams, something new for this element. The current General class question pool was effective July 1, 2007 and is valid through June 30, 2011. The current Amateur Extra class pool was effective July 1, 2008 and is valid until June 30, 2012.

From the ARRL Letter

www.arrl.org/ares-letter



W8CCA CCARA PATCHES are \$3.00 each or two for \$5.00. Purchase from the CCARA Treasurer.



DURING BAD WX CONDITION'S

Amateur Radio Operators are encouraged to check the following available Media:

INTERNET SITE - WWW.W8CCA.ORG

MONITOR -

CLUB REPEATER: 147.045MHZ;

A.R.E.S. REPEATER: 145.230MHZ;

440MHZ REPEATER: 443.5375+

WTNS RADIO –

for emergency and event updates.

CLUB E-MAIL ALERTS - will be sent to ALL registered recipients as early as possible.

*** FREQUENT CHECKS of: WWW.W8CCA.ORG site is encouraged! ***

ARRL CLUB MEMBERSHIP

When you join the ARRL, or renew your membership through the club, we retain \$15 for each new membership OR lapsed membership (of two years or more), and retain \$2 for each renewal. Please support your club, it doesn't cost any more. Send or give all paper work to the club Treasurer with your money.

OFFICERS, DIVISION DIRECTORS AND STAFF

Great Lakes Division

Director: Jim Weaver, K8JE

5065 Bethany Rd, Mason, OH 45040-8130
(513-459-1661); k8je@arrl.org

Vice Director: Gary L. Johnston, KI4LA

3056 Hergott Dr, Edgewood, KY 41017
(859-391-6399); ki4la@arrl.org

ARRL SECTION MANAGER

Great Lakes Division Ohio

Frank J. Piper, KI8GW

496 Hillview St, Pickerington, OH 43147-1197
(614-589-4641); ki8gw@arrl.org

FREE SAMPLE TEST SITE

Upgrading your license, go to the following website for practice tests for aid in preparing for the upgrade.
copaseticflow.blogspot.com

FREE SWAP AND SHOP

If you have ham related items to sell you can do it here. List your item(s) here; list a price and how to contact you. Send list to: n8krr@arrl.net

Also go to: www.w8cca.org for equipment on sale.

FOR SALE

ICOM HF, VHF/UHF, For Sale

The first radio is an ICOM IC-720 HF rig with an ICOM IC-PS-20 power supply. I would like to get \$300.00 out of this rig; this rig does not have a mic. The other rig is an ICOM IC-3200A dual band VHF 2-meter/440. I would like to get \$200.00 out of this rig. If you are interested in any of the equipment, you can reach me at:

wolff_pack@sbcglobal.net or call me at 740-492-0360

FOR SALE

3 Element Cushcraft Beam For Sale

KC8WX is taking down and selling his Cushcraft A3s Tri-Band Beam with Balun for \$100. If you are interested or want more info, contact Warren at: kc8wx@yahoo.com

**** FYI - CLUB DUES ****

CCARA has financial obligations throughout the year - i.e.:

- Repeater site lease
- Keene repeater maintenance
- Monthly programs
- Activities:
 - Fox hunt
 - Family picnic
 - Buehler's Food Stand
 - Johnny Appleseed net certificates
 - Post office box
 - Bank checking account
 - Cards and stamps
 - Coshocton Public Library Display
 - Other communications

CCARA finances come from dues. Please help your club by joining and attending meetings. Annual dues are \$15.00 per individual or \$20.00 for family membership.

OHIO SECTION NEWSLETTER

To view club newsletters from other Amateur Radio Clubs go to the Ohio Section Page at:
www.iarc.ws/ohio/newsletters.html

From the EDITOR

E-mail articles for the June newsletter to n8krr@arrl.net or snail mail by May 25th, 2010. TNX

DX NEWS FROM AROUND THE GLOBE

UGANDA, 5X. Nick, G3RWF is QRV as 5X1NH until March 21. Activity is on all bands, except 160 meters, using CW, SSB, RTTY and PSK. QSL to home call.

JUAN FERNANDEZ ISLAND, CE0. Toshi, JA8BMK is QRV as XR0ZA from Robinson Crusoe Island, IOTA SA-005. Activity is on 160 to 10 meters with an emphasis on the lower bands, using CW, SSB and digital modes. QSL direct to home call.

GERMANY, DA. Special event stations DR2010L, DR2010O and DR2010N are QRV throughout this year in celebration of Essen and the Ruhr area, capital of culture 2020.

SOLOMON ISLANDS, H4. Bernhard, DL2GAC is QRV as H44MS from Guadalcanal, IOTA OC-047, until April 19. This includes activating Temotu Province in February. Activity is on 80 and 40 meters using mainly SSB. QSL to home call.

MONGOLIA, JT. Sank, JT1AS is QRV as JT70AS throughout the year in celebration of his 70th birthday. Activity is on the HF bands using RTTY and PSK. QSL to home call.

IRAQ – Erbil, Iraq

YI9PSE in Kurdistan, sometime in 2010.

www.n6pse.com/News_and_Events.php

FM QST®

UPCOMING EVENT

March 13, 1700Z-2359Z, NI6IW. San Diego, CA.
USS Midway (CV 41) Museum Radio Operations Room.
Medical Corps Birthday 1871 and Neil Armstrong making 7 orbits in Gemini 8 1966. SSB 14.320 7.250 CW 14.060 7.055 PSK-31 7.070 D-STAR B2m/70cm SOCAL rpts. QSL . USS Midway Radio Room, 910 N Harbor Dr, San Diego, CA 92101-5811. kk6@arrl.net

HAMFESTS

6 Mar: Mammoth Cave Hamfest, Cave City, KY - Jim
18 Mar: Bellbrook ARC Annual Dinner, Waynesville, OH - Jim
20 Mar: Michigan Crossroads Hamfest, Marshall, MI -- Jim

21 Mar: TMRA Hamfest/Computer Show, Toledo, OH - Jay, Jim
3 Mar: Directors webinar - Jim
3 Apr: ARGYL Hamfest, Lowell, MI
3 Apr: Lincoln Trail Hamfest, Elizabethtown, KY
10 Apr: JCARC Hamfest, Radio Show, Jackson, OH
17 Apr: Milford Swap & Shop, Highland, MI
18 Apr: Cuyahoga Falls Hamfest, Cuyahoga Falls, OH
24 Apr: River Cities ARA Tail-Gate 'fest, Ashland, KY
25 Apr: Athens Hamfest, Athens, OH
26 Apr: Livonia ARC meeting - presentation, Jim
27 Apr: Cherryland ARC meeting - presentation, Jim
28 Apr: Directors webinar - Jim
1 May: Louisa Hamfest, Louisa, KY - Jim
1 May: Cadillac Hamfest, Cadillac, MI
14-16 May: Hamvention(r), Dayton, OH - Gary, Jim
26 May: Directors webinar - Jim
5 Jun: IRA Hamfest, Hudsonville, MI
5 Jun: Fulton Co. ARC Hamfest, Tedrow, OH
5 Jun: Carter Co. Hamfest, Olive Hill, KY
6 Jun: Chelsea Swap & Shop, Chelsea, MI
19 Jun: Milford Hamfest, Milford, OH - Jim
19 Jun: Midland Hamfest, Midland, MI
20 Jun: Monroe Hamfest, Monroe, MI -- Jim
23 Jun: Directors webinar - Jim
8 Jul: Mahoning Valley ARA, presentation -- Jim
15 Jul: A&F Committee, Newington, CT - Jim
16-17 Jul: Board of Directors, Windsor, CT -- Gary, Jim
18 Jul: Van Wert ARC Hamfest, Van Wert, OH
25 Jul: Portage Hamfair, Randolph, OH
28 Jul: Directors webinar - Jim
7 Aug: UP Hamfest, Escanaba, MI
15 Aug: Warren ARA Hamfest, Cortland, OH
15 Aug: Central KY Hamfest, Lawrenceburg, KY - Jim
15 Aug: Lapeer Swap & Shop, Lapeer, MI
22 Aug: Cambridge Hamfest, Cambridge, OH
25 Aug: Directors webinar - Jim
11 Sep: Grtr Louisville 'fest, Shepherdsville, KY
12 Sep: Findlay Hamfest, Findlay, OH - Jim
18 Sep: Central KY ARS Hamfest, Richmond, KY - Jim
19 Sep: Adrian ARC Hamfest, Adrian, MI
22 Sep: Directors webinar - Jim
26 Sep: Cleveland Hamfest, Cleveland, OH - Jim
27 Oct: Directors webinar - Jim
30 Oct: Hazard Hamfest, Hazard, KY
31 Oct: Massillon Hamfest, Massillon, OH

-- From Weavers word February 23, 2010 --



From left: KB8HHO; N8KRR; KC8YXY; N8VV; KD8HHQ; KL7RF; KB8HEA; KB8CRB; N8GXQ; AA8UA; AA8BN; WN8RGW; KB8QVY



KL7RF Randy & KB8HEA Tom getting it together.....
[PIX by KD8LNA Matt \(VP\)](#)

[IMPORTANT INFORMATION CHANGES](#)

Have you checked the expiration dates on your ham license or other important documents?
When you last moved did you fill out a Form 605 and send your license/ mailing address change to the FCC?
Did you contact your club secretary to have your information changed?

[OHIO SECTION NEWSLETTER](#)

To view club newsletters from other Amateur Radio Clubs go to the Ohio Section Page at:
www.iarc.ws/ohio/newsletters.html

[MY ANTENNA SET-UP](#)

Matt KD8LNA



The antenna on the left is a Ringo Ranger 2M; the next is a dual band 2/440 that uses a 6 ft. piece of PVC pipe; the one on the right is a Cushcraft AR-10 Ringo.



ARRL - The Reason Amateur Radio Is!

MEMBERS - The Reason ARRL Is!



[FROM THE EDITOR](#)

E-mail n8krr@arrl.net with your suggestions for the newsletter and contributions. All articles are appreciated.