

# C<sub>OSHOCTON</sub> C<sub>OUNTY</sub> A<sub>MATEUR</sub> R<sub>ADIO</sub> A<sub>SSOCIATION</sub>

PO Box 501 Coshocton, OH 43812

WEB SITE: [www.w8cca.org](http://www.w8cca.org)

+++ Check Daily for New Postings, events & Updates!! +++

## JUNE 2012

NEXT CLUB MEETING JUNE 5, 2012



**50 YEAR ARRL MEMBER 2009**

Club meetings are the first Tuesday of each month at the Coshocton County Services building at 724 South 7th St. at 7:00 PM

### CLUB ELECTED OFFICERS

**PRESIDENT:**

Mike Casey - NF8U

**VICE PRESIDENT:**

Jamie Hoy - KC8YXY

**SECRETARY:**

Sandy Robinson - KC8STS

**TREASURER:**

Tom Cordes - KB8HEA

### **TRUSTEES**

Colleen Wheatcraft - AA8UA

Craig Affolter - K8CAA

Ron Carns - N8KRR

### **COARVET MANAGER**

Steve Wheatcraft - AA8BN

### **HISTORIAN**

Sandy Robinson-KC8STS

### **NEWSLETTER**

Ron Carns - N8KRR

### **CLUB REPEATER**

Tom Cordes - KB8HEA

Randy Fisher - KL7RF

### **A.R.E.S. REPEATER**

Bruce Adams - KE8XM

### **COSHOCTON COUNTY ARES EC**

Bruce Adams - KE8XM

### **COSHOCTON COUNTY AECs**

Steve Wheatcraft - AA8BN

Dan Hardy - N8VV

Randy Fisher - KL7RF

Tom Cordes - KB8HEA

### **"KEEP AN EYE TO THE SKY"**

#### NETS

-Coshocton Co. ARA	-Coshocton Co. ARES
Sunday @2100	Monday @2100
147.045MHz	145.230MHz

- Johnny Appleseed -  
Friday @2100 28.450MHz SSB

### **COSHOCTON COUNTY EMA:**

- James Van Horn -

724 South 7<sup>th</sup> St Coshocton, OH 43812

Tel: 740.622.1984

[ccema@coshoctoncounty.net](mailto:ccema@coshoctoncounty.net)

## PREZ SEZ.....

Well folks, it's almost Summer AGAIN! What happened to January through May? They went by very quickly, but not uneventfully. The tragedies of this winter and spring will stay with us for a long time. The loss of Tom and Linda Cordes son Michael, and the passing of our Secretary for Life, Pat Tucker has taken us all aback. As with all things, grief lessens over time, but never fades completely.

Sandy Robinson KC8STS, has agreed to take, and was appointed to Pat's secretarial position until next election of officers; Thank you Sandy.

Let us now set our sights on summer with renewed vigor. It is June, and June is Field Day month, the most popular activity of all ARRL activities. This year's Field Day will be held June 23<sup>rd</sup>-24<sup>th</sup>, once again at the Canal Lewisville United Methodist Church's, Brown Farm, located at 50166 TR 200. Go north on SR 621 and turn right onto TR 200, immediately past Memory Gardens. Go up the narrow blacktop road to the top of the hill, and on the right will be two garages set back about 250 feet from the road, with a sign indicating "Brown Farm." This is the same location as last year, with all the comforts of home, except perhaps air conditioning; one of the, if not THE best location possible.

We plan an identical effort as last year, with 3 HF (phone, CW, and digital), as well as VHF station, with satellite capability, again going for score.

Set up will be Friday, the 22nd, at 1:00 PM, with final touches at or before noon on Saturday, the 23rd.

Lunch, and supper as before with cookouts, covered dish, and leftovers. I think we will go for Ham and Eggs on Sunday morning. I can already taste that. (As long as it's NOT Ravioli or Roast Beef, it's good for me. I speak of Midnight rations aboard U.S.S. Goldsborough, and the 3 times daily staple, Roast Beef by any other name.) I digress. (It's like a food flashback.)

The actual event starts at 2:00 PM Saturday and runs for 24 hours.

We need operators, so everyone come on out and make some contacts in this non contest, with a contest like atmosphere.

The June 5<sup>th</sup> meeting will be held at 7:00 PM in the regular room in the basement of the County Services Building on 7<sup>th</sup> St. We will finalize the details of Field Day.

CU There.... Mike NF8U

## N8HR Wins Great Lakes Division in 2011 November Sweepstakes Phone

The Muskingum Valley Radio Amateur Group, N8HR placed first in the Great Lakes Division and 4th overall in the multi-operator low power class in the 2011 November Sweepstakes Phone contest. The group operated at the first class station of Everett, WZ8P.

### The operators were:

KC8BEW, KD8MST, KF8NZ, N8VV, NY8P, W8TJT, WX8P, WZ8P

## JUNE 5, CLUB MEETING

The June 5<sup>th</sup> meeting will be held at 7:00 PM in the regular room in the basement of the County Services Building on 7<sup>th</sup> St. we will finalize the details of Field Day.

## COSHOCTON COUNTY ARES/SKYWARN EVENTS TORNADO SIREN DRILL

Coshocton County SKYWARN Net

March 28, 2012 0930 EDT - 0957 EDT

Conducted by Coshocton County SKYWARN and Coshocton County ARES on the ARES K8XM REPEATER (145.230 MHz) -

Linked with KB9JSC Repeater near Fresno, OH (443.5375 MHz)

Net Control: N8VV

KL7RF K8XM AA8BN WN8RGW KD8LNB KD8RDP KC8YXY  
KE8YL KE8WX KB8RAK KB8HHO WD8CHR KB8QVY

## NOAA SEVERE THUNDERSTORM WARNING FOR COSHOCTON COUNTY

ARES/SKYWARN Report

March 30, 2012 1930 - 2030 EDT

Net Control: KL7RF

1930 - 2030 EDT

14 Amateur Radio Operators participated

## UPCOMING HAMFESTS

Jun 2 - IRA Hamfest, Hudsonville, MI - WB8R  
Jun 2 - Fulton County ARC Hamfest, Tedrow, OH - Ohio Cabinet  
Jun 2 - Princeton/Pennington Tailgate/Fest, Princeton, KY - KY4Z  
Jun 3 - Chelsea Hamfest, Chelsea, MI - WB8R  
Jun 7 - Muskegon Area Amateur Radio Council Meeting - WA8EFK  
Jun 9 - LARS Hamfest, Newberry, MI - WB8R  
Jun 14 - Mahoning Valley ARC Meeting - K8JE  
Jun 16 - Midland ARC Hamfest, Midland, MI - WB8R  
Jun 16 - Milford Hamfest, Milford, OH - K8JE  
Jun 17 - Monroe Hamfest, Monroe, MI - WA8EFK, WB8R  
Jul 12 - Programs & Services Committee Meeting - K8JE  
Jul 13-14 - ARRL Board of Directors Meeting, ARRL HQ - K8JE & WA8EFK  
Jul 21 - NOARSFEST, Elyria, OH  
Jul 22 - Van Wert ARC Hamfest, Van Wert, OH  
Jul 28 - CMARC Trunk Sales, Lansing, MI  
Jul 29 - Portage ARC, Randolph, OH  
Aug 4 - Ohio State Convention & Columbus Hamfest, Columbus, OH - K8JE, WA8EFK, K18GW  
Aug 4 - UP Hamfest, Escanaba, MI  
Aug 12 - Central Kentucky Hamfest, Lawrenceburg, KY  
Aug 19 - Lapeer Co. ARA Annual Swap & Shop, Lapeer, MI  
Aug 25 - SIARA, Owosso Swap & Trunk Sale, Owosso, MI

## CCARA LIBRARY DISPLAY 2012

Month of June Ron/N8KRR



## CCARA CLUB EVENTS 2012

**JUNE LIBRARY DISPLAY** - 1 thru 30  
- in entry to the library

**JUNE FIELD DAY** – 23<sup>rd</sup> and 24<sup>th</sup>

**AUGUST BUEHLER'S FOOD STAND**  
[Dates to be announced]

**SEPTEMBER 9<sup>th</sup> FAMILY PICNIC**  
Lake Park – Shelter #9



### ARRL AMATEUR RADIO EXAM SESSIONS

- conducted by the Coshocton Ohio Amateur Radio Volunteer Examiner Team, sponsored by the Coshocton County Amateur Radio Association, W8CCA.

Walk-in and preregistered sessions are available through the year.

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

All Exam elements available. **The 2011 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, 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, exact amount appreciated, check or money order to cover the exam session fee.

We have NCVET 605 forms at session;

Handicap accessible. Copy machine available.

#### Contact Person:

Colleen, AA8UA 740-622-5761

Email to: [AA8UA@arrl.net](mailto:AA8UA@arrl.net)

AA8BN, Session Mgr., good luck

### FIND AMATEUR RADIO LINKS at:

[www.w8cca.org](http://www.w8cca.org)

click **LINKS** under **INDEX**

You will find the following info:

Local Area Clubs

ARRL Links

ARES Links

Weather Links

Other Radio Links

### \* \* \* FYI CLUB DUES \* \* \*

#### Yearly CCARA Club financial obligations - i.e.:

- Repeater site lease

- Keene repeater maintenance

- Monthly programs

- Activities:

Field Day

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

-and 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.

### DATE CHANGE

### FOR COLUMBUS HAMFEST / ARRL OHIO STATE CONVENTION

Due to a scheduling conflict of the Aladdin Shrine Center facility, the Columbus Hamfest, and the ARRL Ohio State Convention must be moved to a new date of Saturday, August 11, 2012. The start time of 8:00am remains the same, as well as the event location of 3850 Stelzer Road in Columbus.

This change was discovered too late to be caught before publication of the July 2012 QST Magazine. However, the ARRL website, as well as the Ohio Section website ([www.arrloho.org](http://www.arrloho.org)) do show the correct date of August 11, 2012.

ARRL President Kay Craigie, N3KN has revised her schedule, and will still be able to attend the Convention on August 11.

We apologize for any inconvenience this date revision may have caused.

NOTE: We are still looking for any speakers who may wish to present at the Convention. Please contact Scott Yonally, N8SY (e-mail: [n8sy@arrl.net](mailto:n8sy@arrl.net)) if interested. 73! Frank J. Piper, KI8GW  
Ohio Section Manager

## Pat Tucker, KB8CRB - Silent Key

It is with great sadness that we report that on April 14, 2012, CCARA lost our long-time secretary, and dear friend, Pat KB8CRB. Pat will long be remembered as central figure in CCARA, and for her many, many years of service to the club, including her work in the office of secretary for the club. She had also served as president, vice-president, and treasurer at various times in past years. Pat's parents, Carl Tucker K8CLC, and Margaret Tucker KN8BZO were actually founding members of the Coshocton County Amateur Radio Club back in 1957.

WB8RWP remembers that Pat had been a co-contributor to the 145.23 repeater. She helped with some of the remotes WB8RWP was trying to install. She was a constant in Coshocton Co. Amateur Radio. She was a part of the beginnings of the CCARA in the late 80s; the rebirth of CCARA.

"Pat was, if you will, was a charter member of the COARVET. She helped any time I asked her to help with a VE session in Coshocton for 19 years. You could always count on her support and commitment to be there and volunteer her services administrating Amateur Radio exams. Lastly she was my good friend. I will miss her." AA8BN



Pat Tucker, in 2010, shown receiving an honorary lifetime membership certificate in CCARA from then president Randy Fisher KL7RF (*N8KRR photo*)

## CCARA MEETING ATTENDANCE

### MARCH/APRIL/MAY-2012

Mar 6	Apr 3	May 1
NF8U	NF8U	NF8U
KC8YXY	KC8YXY	KB8HEA
KB8CRB	KB8HEA	KC8YXY
WB8SJQ	N8KRR	KC8STS
AA8BN	KB8QVY	WN8RGW
N8VV	WN8RGW	N8KRR
N8KRR	N8VV	KB8HHO
WN8RGW	KC8STS	N8VV
KD8HHQ	KC8ZWR	KL7RF
		WB8SJQ

## NET CHECKINS

### MARCH/APRIL/MAY-2012

ARES/COCO Monday 2100 145.230MHz

March 5		
2100 - 2112		
<b>NCR: NF8U</b>	<b>Mike</b>	<b>Adams Twp</b>
AA8BN	Steve	Coshocton
WB8SJQ	Terry	Coshocton
N8KRR	Ron	Franklin Twp
KC8YXY	Jamie	Coshocton
KB8CRB	Pat	Coshocton
N8VV	Dan	Adams Twp

March 12		
2100 - 2118		
<b>NCR: KB8CRB</b>	<b>Pat</b>	<b>Coshocton</b>
N8KRR	Ron	Franklin Twp
KB8HHO	Tom	Coshocton
AA8BN	Steve	Coshocton
KD8RDP	Rick	Fresno
KC8YXY	Jamie	Coshocton
NF8U	Mike	Adams Twp
KB9JSC	Rod	Fresno

March 19		
2100 - 2116		
<b>NCR: N8VV</b>	<b>Dan</b>	<b>Adams Twp</b>
WN8RGW	Jim	Newcomerstown
AA8BN	Steve	Coshocton
WB8SJQ	Terry	Coshocton
KC8WX	Warren	West Lafayette

March 26		
2100 - 2117		
<b>NCR: N8VV</b>	<b>Dan</b>	<b>Adams Twp</b>
WN8RGW	Jim	Newcomerstown
N8KRR	Ron	Franklin Twp
NF8U	Mike	Adams Twp
KC8YXY	Jamie	Coshocton
WB8SJQ	Terry	Coshocton
KL7RF	Randy	Fresno

April 2		
2100 - 2109		
<b>NCR: NF8U</b>	<b>Mike</b>	<b>Adams Twp</b>
WN8RGW	Jim	Newcomerstown
N8KRR	Ron	Franklin Twp
WB8SJQ	Terry	Coshocton
KB8QVY	Jon	Oxford Twp
N8VV	Dan	Adams Twp
KC8YXY	Jamie	Coshocton

**April 9**  
2101 - 2112  
**NCR: N8KRR**  
N8VV  
WN8RGW  
KC8YXY  
NF8U  
KB8LNB  
AA8BN

**Ron**  
Dan  
Jim  
Jamie  
Mike  
Loren  
Steve

**Franklin Twp**  
Adams Twp  
Newcomerstown  
Coshocton  
Adams Twp  
Fresno  
Coshocton

**April 16**  
2100 - 2110  
**NCR: N8KRR**  
WN8RGW  
WB8SJQ  
NF8U  
KC8YXY

**Ron**  
Jim  
Terry  
Mike  
Jamie

**Franklin Twp**  
Newcomerstown  
Coshocton  
Adams Twp  
Coshocton

**April 23**  
2100 - 2115  
**NCR: N8VV**  
N8KRR  
NF8U  
KC8YXY  
WB8SJQ  
KC8PUW

**Dan**  
Ron  
Mike  
Jamie  
Terry  
Will

**Adams Twp**  
Franklin Twp  
Adams Twp  
Coshocton  
Coshocton  
Fresno

**April 30**  
2100 - 2118  
**NCR: AA8BN**  
WN8RGN  
N8KRR  
WB8SJQ  
N8VV  
NF8U  
KC8YXY

**Steve**  
Jim  
Ron  
Terry  
Dan  
Mike  
Jamie

**Coshocton**  
Newcomerstown  
Franklin Twp  
Coshocton  
Adams Twp  
Adams Twp  
Coshocton

**May 7**  
2100 - 2110  
**NCR: NF8U**  
N8KRR  
AA8BN  
KC8YXY  
KB9JSC  
N8VV  
WB8SJQ

**Mike**  
Ron  
Steve  
Jamie  
Rod  
Dan  
Terry

**Adams Twp**  
Franklin Twp  
Coshocton  
Coshocton  
Fresno  
Adams Twp  
Coshocton

**May 14**  
2100 - 2115  
**NCR: NF8U**  
KC8PUW  
N8VV  
WB8SJQ  
N8KRR  
KC8YXY  
KB9JSC

**Mike**  
Will  
Dan  
Terry  
Ron  
Jamie  
Rod

**Adams Twp**  
Fresno  
Adams Twp  
Coshocton  
Franklin Twp  
Coshocton  
Fresno

**May 21**  
2100 - 2107  
**NCR: N8KRR**  
WB8SJQ  
NF8U  
KB8HHO  
N8VV

**Ron**  
Terry  
Mike  
Tom  
Dan

**Franklin Twp**  
Coshocton  
Adams Twp  
Coshocton  
Adams Twp

**May 28**  
2100 - 2117  
**NCR: N8VV**  
AA8BN  
KL7RF  
N8KRR  
KC8PUW  
WB8SJQ  
KC8YXY  
NF8U

**Dan**  
Steve  
Randy  
Ron  
Will  
Terry  
Jamie  
Mike

**Adams Twp**  
Coshocton  
Fresno  
Franklin Twp  
Fresno  
Coshocton  
Coshocton  
Adams Twp

**CLUB Sunday 2100 147.045MHz**

**March 4**  
2100 - 2118  
**NCS: KL7RF**  
N8KRR KB8CRB WB8SJQ KC8YXY NF8U WN8RGW

**March 11**  
2100 - 2111  
**NCS: KC8ZWR**  
N8KRR AA8BN WB8SJQ KB8CRB NF8U KC8YXY

**March 18**  
2100 - 2113  
**NCS: KL7RF**  
WN8RGW WB8SJQ NF8U KC8YXY

**March 25**  
2100 - 2118  
**NCS: KL7RF**  
N8KRR WN8RGW KC8YXY NF8U AA8BN WD8SDH

**April 1**  
2100 - 2112  
**NCS: KL7RF**  
N8KRR WB8SJQ KB8QVY WN8RGW

**April 8**  
2101 - 2117  
**NCS: KL7RF**  
KC8STS WN8RGW AA8BN KC8YXY NF8U

**April 15**  
2100 - 2113  
**NCS: N8KRR**  
KC8STS WB8SJQ KL7RF N8VV NF8U WN8RGW  
KC8YXY AA8UA AA8BN "KB8CRB"

**April 22**  
2100 - 2112  
**NCS: N8KRR**  
NF8U KL7RF KD8RDP WB8SJQ KC8YXY KC8PUW

**April 29**  
2100 - 2117  
**NCS: KL7RF**  
KD8RDP KC8PUW WN8RGW N8KRR NF8U KC8YXY

**May 6**  
2100 - 2111  
**NCS: KL7RF**  
KB8HEA N8KRR NF8U

**May 13**  
2100 - 2113  
**NCS: KC8ZWR**  
KL7RF N8KRR WB8SJQ WN8RGW KC8YXY KB8HEA



**May 20**  
2100 - 2117  
**NCS: N8KRR**  
KL7RF WN8RGW AA8BN WB8SJQ AB8JH KB9JSC

**May 27**  
2100 - 2116  
**NCS: KL7RF**  
KC8PUW NF8U KC8YXY N8KRR

**JOHNNY APPLESEED Friday 2100 28.450MHz**

**March 2**  
2100 - 2124  
**NCS: KB8KEU**  
KB8RAK WD8CHR NF8U KL7RF KE8YL

**March 9**  
2100 - 21  
**NCS: NF8U**  
KC8DEY WD8CHR KB8KEU K8WVN KI8BL KE8YL  
KL7RF KD8YDK

**March 16**  
2102 - 2132  
**NCS: WD8CHR**  
KL7RF WN8RGW KB8KEU NF8U KE8YL KB8QVY

**March 23**  
2100 - 2123  
**NCS: KL7RF**  
KB8RAK KB8KEU NF8U WD8CHR KC8DEY WN8RGW

**April 6**  
2100 - 2125  
**NCS: KB8KEU**  
KB8RAK KC8DEY WN8RGW KB8JPP NF8U W8TJT

**April 13**  
2100 - 2120  
**NCS: NF8U**  
KB8RAK WD8CHR KL7RF KB8KEU W8TJT

**April 20**  
2100 - 2134  
**NCS: WD8CHR**  
KB8RAK KC8DEY KB8KEU NF8U KL7RF KE8YL KD8GSM

**April 27**  
2100 - 2122  
**NCS: KB8KEU**  
KB8RAK NF8U WN8RGW W8YEG

**May 4**  
2100 - 2124  
**NCS: KB8KEU**  
KB8RAK WN8RGW WD8CHR KE8YL KL7RF

**May 11**  
2100 - 2118  
**NCS: NF8U**  
KC8DEY KL7RF WN8RGW KB8KEU WD8CHR

**May 18**  
2100 - 2134  
**NCS: WD8CHR**  
KB8RAK KL7RF KB8KEU KE8YL NF8U

**May 25**  
2100 - 2133  
**NCS: KL7RF**  
WD8CHR KB8KEU WN8RGW NF8U KC8DEY KB8YDK  
K8WVN KI8BL

**NECCo Monday [after ARES] 443.5375+MHz**

**March 5**  
2112 -2117  
**NCR: NF8U**  
AA8BN N8VV WB8SJQ KC8YXY

**March 19**  
2118 - 2122  
**NCR: N8VV**  
WN8RGW AA8BN WB8SJQ

**March 26**  
2117 - 2124  
**NCR: N8VV**  
NF8U KC8YXY WB8SJQ KL7RF

**April 2**  
2110 - 2116  
**NCR: NF8U**  
KB8QVY N8VV WB8SJQ KX8YXY

**April 23**  
2115 - 2125  
**NCR: N8VV**  
NF8U KC8YXY WB8SJQ KC8PUW

**May 7**  
2111 - 2119  
**NCR: NF8U**  
WB8SJQ AA8BN N8VV KB9JSC KC8YXY KC8WX

**May 28**  
2118 - 2128  
**NCR: N8VV**  
AA8BN KL7RF KC8PUW WB8SJQ KC8YXY NF8U

**NEW "PRB-1" LAW NOW IN EFFECT IN OHIO**

On May 15, Ohio Governor John Kasich signed a bill, granting comprehensive rights to Amateur Radio operators in that state. HB 158 codifies the federal restrictions on the local zoning of amateur station antenna structures, thereby preserving Amateur Radio Service communications as a Homeland Security resource, placing the burden of proof for compliance on the zoning authority. According to ARRL Ohio Section Manager Frank Piper, KI8GW, this places the full language of [Section 97.15](#) into the *Ohio Revised Code*: "This new law states that 'Any legislative authority that denies an application for approval of an amateur station antenna structure shall state the reasons for the denial and shall, on appeal, bear the burden of proving that the authority's actions are consistent with this section.' This language removes the burden of proof from the Amateur Radio operator and places it on the legislative authority."

Article written by Club member Mike Sciarini, WA8MKH

## Ohio QSO Party August 2011 Using the Multi-Band Inverted-V Antenna

The article published in July 2011 “Multi-Band Inverted-V Antenna” covered the construction and tuning of the antenna. This article covers the field results using the antenna.



Antenna showing 4 inverted Vee's, 8 wires total, 40M, 20M, 15M, & 10M bands.

The Ohio QSO party was held at Deis Hill in Dover, Ohio, August 27, 2011 by the Tuscarawas County Amateur Radio Club. The transceiver used was an Icom IC-7000 running 100 watts output directly to the antenna. No tuner was needed or used during the operation. The SWR was less than 2:1 across all 4 bands with the exception of the upper 200 KHz of the 10 meter band since the 10 Meter portion was tuned for the lower end.

Installation time was around 30 minutes. Disassembly time was around 20 minutes.





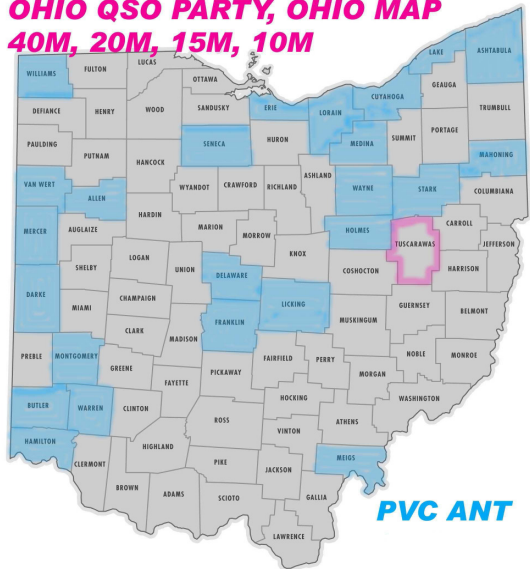
Included in this article are 2 maps showing areas worked during the contest. Although the contest was Ohio, other areas were worked for antenna performance testing. It was not all operation. Part of the day was spent with technical discussions and testing automatic tuner operation on the G5RV antenna that was used with the second station.

**And of course, who could forget the evening picnic.**

The following maps show the results using the PVC multi-band antenna. (This does not include the total of the 2 stations at this time.) The antenna pattern shows a reasonable circular coverage. 40M wires were located East-West and 20M wires were located North-South. Most of the contacts were made on 40M.

**DX was on 20M and 15M.**

**OHIO QSO PARTY, OHIO MAP  
40M, 20M, 15M, 10M**



**OHIO QSO PARTY, STATES MAP  
40M, 20M, 15M, 10M**



**S**ummary: The antenna system features a portable design using a single feedline and no tuner. The assembly, disassembly, and installation of the antenna can be done with 1 person, however, 2 or 3 persons are recommended. With this design and previously published information, this can teach hardware design using available supplies, and antenna tuning application.

Construction can be accomplished using common tools.

### **73 de Mike, WA8MKH**

An Interesting article, written by club member Mike Sciarini WA8MKH about a PVC antenna used by TUSCO Radio Club for the Ohio QSO party in Dover, OH on August 27, 2011.

**<<Write to the club or Randy, KL7RF for a complete construction guide for the antenna.>>**