



### Table of Contents

Amateurs Code	17
ARES Quarterly Meeting	15
ARISSAT1	5
Cable Lacing	6
Calendar	19
Club Info	2
Dayton Bus Trip	13
Dues are Due	1
February Minutes	3
Field Day Committee	15
Foxhunt Schedule	5
Fun Time Ham Radio	16
Hams Suffer Water Damage	1
Meeting Announcement	1
Membership Renewal Form	14
Rambling by KD8MQ	2
Senate Bill 93	15
Stark County VHF QSO Party	7
Skywarn Schedule	15
Wayback Machine	20
You May be a Ham If. . .	4
Wayback Machine	20

## Local Hams Suffer Water Damage!

As the Zero Beat was preparing to go to publication, word was received that K7CE, and KD8BBK suffered water damage in the recent rainstorm.

From reports on the repeater, Carl, K7CE, lost a sump pump, and his rec room flooded.

Tony, KD8BBK had a flood in his new radio room, which was just completed a couple months ago.

There's no word yet of damage to either home. We pray that it is minimal.



A picture Tony sent when he finished the shack

## Dues Are Due

Well, it's that time again. Deadline for payment of dues is April 1<sup>st</sup>. Our annual year runs from April 1st through March 31. So, the time is just ticking away.

The club sponsored a lot of activities last year. The Stark County VHF QSO Party, the OH QSO Party Picnic, & Field Day, to name a few.

Well, these activities take time and money to plan, and execute. Up till now, the club has been fortunate to have a lot of donations from club members to defray the expenses. But, this may not always be the case.

Please renew, and just as important, how about encouraging your friends to join?

There is a renewal form on pg 14 of this issue of the Zero Beat. Mary Ann, KB8IVS will be more than happy to handle your renewal either at the next meeting, or via mail. Her address is on the application/renewal form.

## Meeting Announcement

Our next meeting will be on Wednesday, March 9<sup>th</sup>, 2010 at the Alliance Community Hospital, in the Cafe conference room.

The program for this month is to be announced Before the meeting, you're invited to join us at 6pm for dinner

**Don Panchos**  
**2105 W. State St.**

## Officers

### President

KD8MQ  
John Myers  
510 West Harrison St.  
Alliance, OH 44601  
[kd8mq@neo.rr.com](mailto:kd8mq@neo.rr.com)  
330-936-5021

### Vice-President

K8DXR  
Howard Miller  
10626 Dot Ave.  
Alliance, OH 44601  
[hmliller32@neo.rr.com](mailto:hmliller32@neo.rr.com)  
330-821-9392

### Secretary

AB8KV  
Donald R Kingan  
446 West High St.  
Alliance, OH 44601  
[dkingan@neo.rr.com](mailto:dkingan@neo.rr.com)  
330-821-5819

### Treasurer

KB8IVS  
Mary Ann Royer  
6255 Sandalwood NE  
Canton, OH 44721  
[kb8ivs@aol.com](mailto:kb8ivs@aol.com)  
330-492-0703

### Trustees

KC8TJQ  
Oliver "Smitty" Smith  
25462 Buffalo Rd.  
E. Rochester, OH 44625  
330-894-2530

WA8WHP  
Frank Sanor  
2142 Blenheim Ave  
Alliance, OH 44601  
[wa8whp@juno.com](mailto:wa8whp@juno.com)  
330-206-2639

KD8BBK  
Tony Shillig  
8980 Paris Ave  
Louisville, OH 44641  
[kd8bbk@aol.com](mailto:kd8bbk@aol.com)  
330-875-0085

### Editor

John Myers, KD8MQ  
(See above)

## Rambling

By John, KD8MQ

Our 440 MHz Bands are in jeopardy. Our help is needed to defeat H.R. 607. Blank letters will be available at the March club meeting, along with instructions on where to send them.

We have some great warm weather activities planned this year. This month marks the beginning of fox hunt season. If you've always wondered what the thrill is, come out for one of the local hunts, and find out.

OK, so fox hunting is not your cup of tea? That's OK, because we've got plenty more coming up. April 2nd is the Stark County VHF QSO Party. Last years event was a lot of fun, and generated a lot of 2 Meter activity. The contest packet is included in this months issue of the Zero Beat.

Let us not forget Field Day, which occurs on June 25<sup>th</sup>, 26<sup>th</sup>. I'm looking for volunteers for the field Day committee. We'll be holding a preliminary meeting once the weather breaks.

Following into August, we have the AARC Special Event station at Silver park.

September brings our club picnic.

The following two events are not yet on the calendar, but we have plenty of time to talk about it.

Although I don't have the date yet, the Mile Branch Grange Fair normally is in mid-July. The management is very interested in having us

*(Continued on page 18)*

## Meetings

The Alliance Amateur Radio Club meets on the Second Wednesday of each month. Check the meeting announcement on page 1, for the location. Talk-in is on 145.37 R.

Meetings begin at 7:30 PM. Visitors are always welcome.

## Nets

Thursday is our "net night," with the following nets held:

### Ten meters

CW @ 8PM on 28.400 MHz  
SSB @ 8:30PM on 28.400 MHz

### 2 meters

9 PM on 145.37 MHz

The Homeland security Net meets on the last Tuesday of the month, at 8:00 PM, on 147.51 simplex

## Internet

**Web:** [www.w8lky.org](http://www.w8lky.org)

**E-mail:** [W8lky@w8lky.org](mailto:W8lky@w8lky.org)

**We are also on Facebook!**

## Newsletter Information

The Zero Beat is a publication of the  
**Alliance Amateur Radio Club**  
**P.O. Box 3344**  
**Alliance, OH 44601**

Unless otherwise noted, permission is granted to reprint portions of the Zero Beat, as long as credit is given to the author & source.

You can submit material to the Zero Beat via e-mail to [kd8mq1@gmail.com](mailto:kd8mq1@gmail.com)

## February Minutes

February 9, 2011

The regular meeting of the Alliance Amateur Radio Club was held on February 9, 2011 at 7:30 PM at Alliance Community Hospital with club President John Myers (KD8MQ) presiding. The pledge of allegiance was recited followed by introductions. There were 10 members present along with Miriam Sanor and guests Don Messenger and John Kalafice (W0OZZ).

For announcements, President John noted that birthdays in February included Don (AB8KV) and Ed (N8FCL).

For the Secretary's report Don noted that the minutes for January were in the newsletter and that he had received an email notification about the Pioneer bus trip to the Dayton Hamvention. He had an information sheet available along with copies of the reservation request. He then reported on the particulars concerning the club's possible participation in the Alliance City schools Navigators program. Some interest in conducting a class was expressed by some club members. The subject was tabled for further discussion since no final decision was needed at this meeting. Don then asked about specific operating time and frequencies for the Carnation Days special event station, so that he could get

the information submitted to the various magazines. The time (on August 13) was set for 10 AM to 5 PM with frequencies of 7.045, 7.240+/-, 14.200, 14.045, and 21.250. With nothing further, the Secretary's report was approved on a motion by Frank (WA8WHP) and seconded by Tom (KD8JRK).

Treasurer Mary Ann (KB8IVS) was absent so John gave her report as forwarded to him. The Treasurer's report was then approved on a motion by Tom and seconded by Don (K8OMO).

### **Old business & committee reports:**

- Regarding ARES and the nets, Don (K8OMO) reported that the Homeland Security net was doing well and that the hospital HS radio had been recovered, with it currently being checked over to ensure it was ok. He had been so far unsuccessful in getting permission from the hospital to utilize the communication room or locate coax which is supposed to exist. He further noted that the 10-meter net was also doing well on both sideband and CW with Smitty (KC8TJQ) doing a good job with a new format for the sideband portion. Don further reported that he had not received anything further from FIST concerning QSL's.

- Frank then reported on fund raising activities. Regarding the cell phone fund raiser, he noted that a new

deposit site had been established at the YMCA and he encouraged members to look for additional sites. For the Elder-Beerman coupon book fund raiser, he reported that he had obtained a hundred books and had them available for the members to pick up and sell. He noted that he needed sales reported to him on each Wednesday.

- Frank also reported on a request by some truck drivers from the Berlin area for ham classes. They were only available for classes on Sunday afternoons. Frank volunteered to do the classes from 2-4 PM on Sundays but noted that he could use some help as well as books. President John responded that the club could go ahead and order books when it was known how many were needed.

- President John then reminded the club about the upcoming Stark county VHF QSO party on April 2. He noted that the summary sheet had been updated to include a request for mileage driven. He added that the Canton and Massillon clubs would be operating bonus stations. Don (K8OMO) will be running the W8LKY station unless there are other volunteers.

- John also reported that he had heard nothing back yet regarding the MARC tower in Knox township.

### **New business:**

*(Continued on page 18)*

## You Might Be (and Probably Are) an Amateur Radio Operator, If:

- You have bought black electrical tape in ten packs.

- You have stripped wire with your teeth.

- You have told your child, "One day, all this will be yours," and he or she did not respond at all.

- You would rather help another Ham friend to hook up new equipment, or to put up a new tower, than to mow your own lawn.

- You have grabbed the wrong end of a hot soldering iron.

- You have gotten an RF burn from your own antenna.

- You have given out RST reports while you were on the telephone.

- When the microphones or visual aids at a meeting did not work, you rushed up to the front to fix them.

- You have told the XYL, when she noticed a new rig in the shack, "Why, that has been there for years."

- You have set your watch to UTC only.

- You have had to patch your roof after an antenna project fell onto it.

- You have put a GPS tracker in the XYL's car or on the riding mower, just so you could watch it on APRS.

- You have tapped out "CQ" or "HI" on the car horn in Morse Code to another Ham.

- Your teenager has refused

to ride in your car because it looks like a porcupine.

- You know the Latitude, Longitude, and Elevation of your home QTH.

- You have gone into the local Radio Shack store, and the store clerk has asked you where something is and how it works.

- You have answered the telephone with your call sign, and then finished the conversation with "73" and your call sign.

- You have looked for antennas, radios, and Morse Code in movies and television shows.

- When you look at anything made of wire or metal tubing, you wonder if it could be used as an antenna.

- Your call sign is listed on one or more of your hats, T-shirts, or other garments.

- You regularly carry one or more tools in your pockets at any given time.

- When any kinds of batteries go on sale, you get really excited.

- When you look at a barbecue grill, it creates ideas about ground plane antennas.

- You have designated all your friends as Hams or Non-Hams.

- You have referred to your Ham friends by their call sign suffixes instead of their real names.

- You have intentionally confused Non-Hams by telling them that the only things you

talk about on the air are pork products.

- You have intentionally scared Non-Hams with the word "RADIATION"!

- You have looked at telephone poles and power line towers as potential antenna supports.

- You have thought you were still hearing CW, SSB, or SSTV tones, even when your Ham radio was off.

- Your Go-Bag has more clothes in it than your dresser does.

- You have a SKYWARN sticker on your back window.

- Your significant other sits in the back seat, and your radios ride in the front.

- Your neighbors wonder if you are a "Narc" (narcotics officer), a Spy, or a Federal Agent.

- The cops pull you over because they want to see the inside of your car.

- All 6 outlets in your 20x20ft bedroom have a power strip plugged into them.....

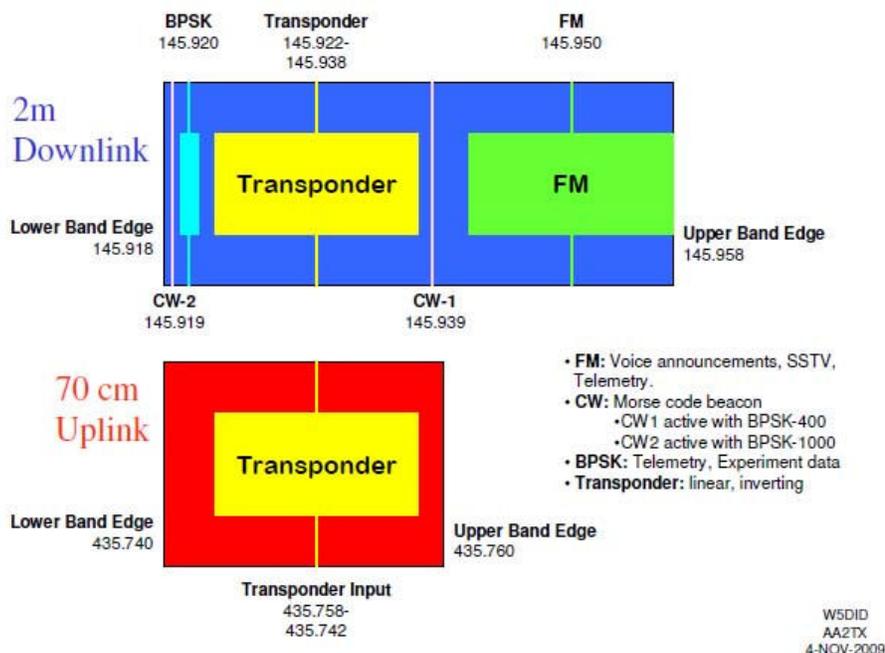
- This one is actually being done by Tim Clark, KB4RPV: Your cell-phone's ring tone is your Ham radio call sign, sent in Morse Code <http://www.planetofnoise.com/midi/morse2mid.php>.

*(I apologize that I can't remember where on the internet I stole this from—KD8MQ)*

## ARISSAT-1 Launch Has Been Postponed

## Fox Hunts coming up.

### ARISSat-1 Band Plan



A band plan for ARISSat-1, including CW beacon, SSB/CW 16 kHz transponder (70 cm uplink/2 meter downlink), BPSK telemetry (satellite status and experiment telemetry) and FM (announcements, slow scan television [SSTV] transmissions and telemetry) is now available. ARISSat-1 will boast:

24 different student greetings -- transmitted in 15 languages -- on the FM downlink.

SSTV shots taken by the spacecraft and transmitted to the ground on FM.

Telemetry from Russia's Kursk State University experiment that will measure of the vacuum of space. The experiment will be sampling the amount of vacuum each day for 90 minutes, then sending down the data to map the vacuum change as the satellite slowly spirals into the atmosphere. According to AM-SAT ARISSat Project Manager Gould Smith, WA4SXM, this is a unique experiment, "as we understand that such measurements have not been taken previously at the altitudes at which ARISSat-1 will operate."

Ground station software for both the PC and Mac platforms. This software will be useful to demodulate and display the new BPSK1000 downlink that will include data from the experiment and satellite telemetry, as well as demodulate the older BPSK-400 format used by the Phase III satellites, such as AO-40. Audio from a 2 meter SSB receiver/scanner can be fed into a computer soundcard and the software will demodulate the downlink. Separate programs for displaying SSTV images and decoding CW are currently available from other sources.

Plans to launch ARISSAT-1 have been postponed until an EVA currently scheduled for July, 2011. ARISSAT1 was originally scheduled for launch from the ISS in mid-February.

More information can be found at:

[www.arissat1.org/v3/](http://www.arissat1.org/v3/)

The Fox hunt page will return next month. For now, this is it.

The following hunts are scheduled in the month of March:

Cuyahoga Falls Fox Hunt is at 7 PM on the 16th, and the 30<sup>th</sup>. The starting point is the Scout House in Silver Lake, Ohio. The mailing address is 2850 Church St, Stow, Ohio. The GPS coordinates are:

41 09.0117  
81 27.54714 .

It is located on Church St. a block south of RT 59, Kent Rd. The talk-in freq. is 147.27, the club repeater. The hunt freq is 147.525 simplex.

The Alliance ARC Fox Hunt is on March 26th, at 2 PM. The starting point is Glamorgan Castle, located in the center of Alliance.

The castle is located at the intersection of Glamorgan, and Union (S.R. 183). The address is 200 Glamorgan St, Alliance, OH 44601

GPS coordinates are:  
40.921425, -81.104937

The hunt frequency will be 147.525 MHz.

We will be monitoring 145.37@ (No PL)

For more dates, check out [www.neofoxhunting.org](http://www.neofoxhunting.org).

## The Lost Art of Cable Lacing

By Dan Romanchik, KB6NU

The Make: magazine blog is a wealth of information for amateur radio operators. Recently, they ran a post on what they consider to be on the "lost technology" of cable lacing <<http://blog.makezine.com/archive/2009/07/lost-knowledge-cable-lacing.html>>.

The blog post does a great job of explaining the technique and includes several illustrations. One of them <[http://cdn.makezine.com/make/blogs/blog.makezine.com/upload/2009/10/lost\\_knowledge\\_cable\\_lacing/cableLacing6b.gif](http://cdn.makezine.com/make/blogs/blog.makezine.com/upload/2009/10/lost_knowledge_cable_lacing/cableLacing6b.gif)> is a drawing from an old ARRL handbook. There are also a link to the Wikipedia page on cable lacing <[http://en.wikipedia.org/wiki/Cable\\_lacing](http://en.wikipedia.org/wiki/Cable_lacing)>.

Nowadays, we mostly use zip ties to bundle cables, but there are disadvantages to using them. For one thing, to apply them properly, you should have a tool that controls how tightly the zip tie holds the wires. This is to prevent crushing the insulation.

Also, I've found that zip ties don't do so well when the cable has only two or three wires. They're just not designed to hold so few wires. I think that cable lacing would do a much better job of keeping a small bundle of wires together, say wires that connect front panel components to a PC board.

Cable lacing certainly looks much cooler than zip ties. This is the perfect technique for those homebrewers that want to make their projects look great as well as work great.

I asked on my blog, "Now, where can I find the 'wax-impregnated cotton or twine'?" and my readers came through. Hamilton said, "Apparently you find wax string here: <http://www.kitkraft.biz/product.php?productid=1496>. I remember using it for something as a kid, but I can't place it." Ron McKenz wrote, "I notice that a number of telco vendor sell waxed lacing cord. Here are a few URLs: <http://www.sourcetelsupply.com/catalog/index.php?cPath=27>, <http://www.tessco.com/yts/resourcecenter/pdfs/clablelacing-FAQ.pdf>, and <http://www.oelsales.com/product.cfm/267/>.

Ned, WB4KBO, said, "I would suggest a large roll of dental tape and a large-diameter curves sewing needle for fabricating harnesses. I was told that this was the material of choice for lacing harnesses when I worked at Heath Company many years ago. Makes sense to me. Buy it at Meijer for an occasional harness, or a dental wholesale supply house if you are going into production. Also great stuff for kite rigging, vine lacing and many other things."

Mike, WA6ARA wrote, "What you want is Mil-T-43435. It is better than a cord, it is a flat weave tape, nylon, and waxed. It is made for cable lacing but is use now in the parachute industry as "super tack". Item T1050 at <http://www.paragear.com>"

So, there you have it. Links to show you how to do it, and a couple more links for where to find the lacing material. I now expect all of our homebrew to look a lot neater.

When not worrying about how to lace cable instead of using zip ties, Dan, KB6NU, blogs about ham radio at [www.kb6nu.com](http://www.kb6nu.com), teaches ham radio classes, and operates CW on the HF bands. Look for him around 7.030 MHz or e-mail him pictures of your beautifully-laced cables at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

Alliance  
Amateur  
Radio  
Club

Stark County VHF QSO Party

Sponsored by:  
The Alliance Amateur Radio Club

April 2<sup>nd</sup>, 2011  
12 Noon - 6:00 PM  
Mode: 2 Meter FM Simplex

Hello,

Thanks for your interest in the Stark County VHF QSO Party. This is the Alliance ARC's second running of this event. Our first try last year resulted in a lot of 2 Meter activity, and a lot of fun being had.

**The purpose of this contest is to:**

- Provide an opportunity for local Amateurs to enhance their station and operating skills.
- Simulate emergency conditions (with NO repeaters).
- To enhance utilization of the 2 meter band and simplex operation
- To have fun.

**Some rule changes have been made for 2011**

- There's a limit of one entry per vehicle
- No intra-vehicle QSO's (No, you can't QSO your buddy in the back seat for point credit).
- The entry classifications have been changed to: Fixed, Mobile, & HT (Antennas for HT class consist of anything handheld; No fair hooking your VX-8R to your 2 Meter Beam at 300 ft).
- There's a special mobile award for the farthest distance travelled during the contest.

We've again tried to keep the rules as simple as possible, but without sacrificing clarity.

If you see anything that leaves you scratching your head, please let me know. You can e-mail me at [2mcontest@w8lky.org](mailto:2mcontest@w8lky.org), or call me at 330-936-5021.

Again, lets do our best to stay safe out there. I'm talking especially to the mobile operators. Obey the rules, of the road, and let's make this a good day for everyone.

Thanks again for your interest. We look forward to working you in the **2011 Stark County VHF QSO Party**.

73,

John Myers, KD8MQ  
President, Alliance ARC

**A**lliance  
**A**mateur  
**R**adio  
**C**lub

**Stark County VHF QSO Party**  
**April 2<sup>nd</sup>, 2010**  
**Summary Sheet**

Callsign Used: \_\_\_\_\_

Callsign of Operator (If different from Callsign used): \_\_\_\_\_

Additional operators (Driver, logger, etc): \_\_\_\_\_

Club Affiliation: \_\_\_\_\_

<u>Entry Class:</u> <input type="checkbox"/> HT <input type="checkbox"/> Fixed <input type="checkbox"/> Mobile/Portable
--

Did you operate from outside Stark County? <input type="checkbox"/> Yes <input type="checkbox"/> No
---

QSO's	Inside Stark County	Mult QSOs X 2 =	
QSO's	Outside Stark County	Mult QSOs X 1 =	
QSO Points =			(a)
Total number of Townships, Cities, and Villages you worked (max 36) (See checklist on the next page)			(b)
Multiply box a & b. This is your raw score			(c)
Add 10 Points for a contact with each bonus station (max 3) = <input type="checkbox"/> W8AL <input type="checkbox"/> W8LKY <input type="checkbox"/> W8NP			(d)
Mobiles, multiply 50 points times the number of City, Township, and villages you activated (max 36) =			(e)
Add boxes c, d, & e. <u>This is your final score</u>			
Mobiles, list your distance travelled =			

“ I have observed all competition rules. My entry is correct & true to the best of my knowledge.  
I agree to be bound by the decisions of the Alliance ARC awards committee.”

Date: \_\_\_\_\_ Signature: \_\_\_\_\_ Callsign: \_\_\_\_\_

Please enclose log & summary sheets, along with any comments, and photos, and mail by April 30<sup>th</sup> to:  
Stark County VHF QSO Party, c/o John Myers, KD8MQ, 510 W. Harrison St., Alliance, OH 44601.

You may also e-mail your entry to: [2mcontest@w8lky.org](mailto:2mcontest@w8lky.org).  
You will receive a e-mail confirmation of your entry.

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

E-mail Address \_\_\_\_\_

# Stark County VHF QSO Party

## Bonus contacts / Multiplier check off sheet / FAQ

Townships		Villages		Cities	
<input type="checkbox"/> Bethlehem	<input type="checkbox"/> Canton	<input type="checkbox"/> Beach City	<input type="checkbox"/> Brewster	<input type="checkbox"/> Alliance	<input type="checkbox"/> Canal Fulton
<input type="checkbox"/> Jackson	<input type="checkbox"/> Lake	<input type="checkbox"/> East Canton	<input type="checkbox"/> East Sparta	<input type="checkbox"/> Canton	<input type="checkbox"/> Louisville
<input type="checkbox"/> Lawrence	<input type="checkbox"/> Lexington	<input type="checkbox"/> Hartville	<input type="checkbox"/> Hills & Dales	<input type="checkbox"/> Massillon	<input type="checkbox"/> N. Canton
<input type="checkbox"/> Marlboro	<input type="checkbox"/> Nimishillen	<input type="checkbox"/> Limaville	<input type="checkbox"/> Magnolia		
<input type="checkbox"/> Osnaburg	<input type="checkbox"/> Paris	<input type="checkbox"/> Meyers Lake	<input type="checkbox"/> Minerva		
<input type="checkbox"/> Perry	<input type="checkbox"/> Pike	<input type="checkbox"/> Navarre	<input type="checkbox"/> Waynesburg		
<input type="checkbox"/> Plain	<input type="checkbox"/> Sandy	<input type="checkbox"/> Wilmot			
<input type="checkbox"/> Sugar Creek	<input type="checkbox"/> Tuscarawas				
<input type="checkbox"/> Washington					

### Frequently Asked Questions (FAQ)

1. ***I'm outside Stark County. Can I work any other counties besides Stark for credit?*** No, if you are outside Stark County, you may only work Stark county stations for point credit.
2. ***I plan to operate mobile from within Stark County. May I continue to work Stark County Stations for credit after I leave the county?*** Yes, you may. But, they will only be able to work you for 1 point after you leave the county, not 2.
3. ***Well then, may I still work non-Stark county stations for point credit, once I leave the county?*** No, you may only work non-Stark county stations for credit, while you are actually in Stark County.
4. ***May I work a station more than once for credit?*** Sure, but only if one of you is mobile, and has moved to a different Township, City, or Village.
5. ***I plan to enter as a mobile. May I work the bonus stations from each Township, City, or Village that I activate?*** Yes, but only for QSO points. The 10 point bonus only applies for your initial contact with each of the bonus stations.
6. ***Can I submit my entry via E-mail?*** Sure, just forward your summary sheet, and log information to [2mcontest@w8lky.org](mailto:2mcontest@w8lky.org).
7. ***What if I don't have e-mail?*** No problem! Snail Mail goes to: Stark County VHF QSO Party, c/o John Myers, KD8MQ, 510 W. Harrison St., Alliance, OH 44601.
8. ***How about pictures, or soapbox comments?*** By all means send them along. They will be appreciated.
9. ***I only made a few contacts. Should I even bother turning in a log?*** Sure! Every point counts. You may just win an award. At the very least, your log will help as we check the rest of the logs.

# Alliance Amateur Radio Club

## Stark County VHF QSO Party

Sponsored by:  
The Alliance Amateur Radio Club

April 2<sup>nd</sup>, 2011  
12 Noon - 6:00 PM  
Mode: 2 Meter FM Simplex

### The purpose of this contest is to:

- Provide an opportunity for local Amateurs to enhance their stations and operating skills without regard to license class.
- Simulate emergency conditions (with NO repeaters).
- To enhance utilization of the 2 meter band and simplex operation.

### Objective:

- Stations in Stark County - To work as many stations as possible.
- Stations outside Stark County - To work as many Stark County stations as possible.

### Contest Period:

- Date: April 2<sup>nd</sup>, 2011 - Time: 12:00 Noon - 6:00 PM
- Deadline for logs is Saturday, April 30<sup>th</sup> (Submission information is on the summary sheet).

### Entry Classifications:

- HT: Portable station running a Power level of 5W or less  
(Using either rubber duck, or other handheld antennas)
- Mobile: A station capable of being operated while in motion, and powered from vehicle electrical system  
(Only one entry per vehicle; no intra-vehicle QSO's)
- Fixed : Home, or club station running a Power level of more than 5W  
(Fixed stations may operate from only one Township, City, or Village)

### Frequencies:

- Contacts may be made on 2 Meter simplex FM. A suggested frequency list is on page 3.
- As a matter of courtesy, and good Amateur practice, avoid the 146.52 calling frequency.
- Contest contacts on repeaters are not permitted. However, use of repeaters for solicitation of contacts is allowed.

### Exchange:

- Send your Callsign & QTH (Stark County stations: Township, City, Village / Non-Stark County stations: Your county)
- Work stations only once. Work Mobiles again when they move to a new township, city, or village.  
Mobiles may be worked only once per Township, City, or Village.
- Only one transmitted signal at a time.
- Mobile stations must identify as such.

### Scoring:

- Contacts with Stark County stations count for 2 points
- Contacts with stations outside of Stark County count 1 point

### Multipliers:

- There are 36 possible multipliers. There is a multiplier check off list on page 3.

### Bonus points:

- Initial Contacts with W8AL, W8LKY, & W8NP count 2 QSO points plus an additional 10 bonus points each, for a maximum bonus of 30 pts.
- Mobile/portable stations get an additional bonus; Add 50 points for each Township, City, or Village activated.

### Awards:

- Awards and/or certificates will be presented for first, second, and third place in all entry classifications.
- There will also be an award for the first place club entry. Any club with entries from 1 or more members, will be eligible.
- A special award will be presented to the mobile station traveling the greatest distance during the contest period.
- Send a 9X12 SASE with your entry, if you would like a participation certificate.

# Stark County Multiplier List

## Townships

Bethlehem  
Canton  
East Canton  
Jackson  
Lake  
Lawrence  
Lexington  
Marlboro  
Nimishillen  
Paris  
Perry  
Pike  
Plain  
Sandy  
Sugar Creek  
Tuscarawas  
Washington

## Cities

Alliance  
Canal Fulton  
Canton  
Louisville  
Massillon  
North Canton

## Villages

Beach City  
Brewster  
East Canton  
East Sparta  
Hartville  
Hills & Dales  
Limaville  
Magnolia  
Meyers Lake  
Minerva  
Navarre  
Waynesburg  
Wilmot

## Suggested Simplex Frequencies

146.430	146.490
146.445	146.505
146.460	146.550
146.475	146.565





# Pioneer Amateur Radio Fellowship, Inc.

## Dayton Hamvention 2011

### Saturday May 21, 2011 5:30 AM



Are the gas pumps keeping you from the Hamvention? Is the thought of driving down to Dayton and then parking your car in some shopping center to be then bused to the Hamvention keeping you from going? Why not take our bus to the Dayton Hamvention where you can come and go to the flea market with your great purchases and leave them on the bus. The bus will be parked close to the flea market entrance.

You can save **\$10\*** if you book before April 24th

The cost of the Bus & Entrance ticket to the Hamvention:  
**\$65\* before April 23, 2011**

The cost of the Bus Only to the Hamvention:  
**\$50\* after April 23, 2011**  
(You will need to get your own Hamvention Entrance Ticket at gate \$25)

We will take riders right up to departure that morning (if there are seats available) on a first come, first served basis.  
Departure time is 5:30 AM SHARP, so please be on time so you don't miss the bus!  
Parking will be in the back of the church.

There will be a stop for breakfast @ McDonald's and a dinner stop @ the Hometown Buffet (out of pocket expense).

Transportation is being provided by the Crossroads Transportation Company.  
This bus is a smoke free bus, so there will be no smoking permitted.

**To Order - Complete application & send with check/money order (*payable to "PARF"*) to:**

Joy Spencer [KA8TDF](mailto:KA8TDF)  
2101 Bigelow St  
Akron, OH 44314  
Or call 330-745-5115  
E-mail: [KA8TDF@arrl.net](mailto:KA8TDF@arrl.net)

Please supply a return e-mail for your receipt confirmation.

#### **Location of Departure is:**

Akron Baptist Temple  
2324 Manchester Road  
Akron, Ohio 44314  
Located on Rt 93 just north of Rt 224

Repeaters 147.135 & 146.610

***PARF needs at least 23 riders by April 15<sup>th</sup> for this bus to be a guaranteed trip.  
So don't delay, and please pass the word out to all of your ham friends & computer geeks.***

The above pricing does not include any tips.



Callsign- \_\_\_\_\_

**W8LKY**  
**Alliance Amateur Radio Club**  
Renewal – Membership Application

	Dues
Sustaining	\$15.00
Full	\$10.00
Associate	\$5.00
Family	\$1.00

Mail to: Mary Ann Royer  
6255 Sandalwood NE  
Canton, OH 44721

Name \_\_\_\_\_ Phone # \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Birthday \_\_\_\_\_

Occupation \_\_\_\_\_ ARRL Member? Yes    No

License Class \_\_\_\_\_ Expiration Date \_\_\_\_\_ Year you were first licensed \_\_\_\_\_

E-mail Address \_\_\_\_\_

Special interests? (i.e. Dxing, Contesting, Hunting, etc.) \_\_\_\_\_

Pro-Rated Dues Schedule  
(New Members Only)

	April-June	July-September	October-December	January-March
Sustaining	\$15.00	\$11.25	\$7.50	\$3.75
Full	\$10.00	\$7.50	\$5.00	\$2.50
Associate	\$5.00	\$3.75	\$ 2.50	\$1.25
Family Member	\$1.00	\$0.75	\$0.50	\$0.25

Please do not write beneath this line

Dues paid – Sustaining( ) Full( ) Associate( ) Family( ) \$ \_\_\_\_\_ on \_\_\_\_\_, 20\_\_ signed \_\_\_\_\_

## Ohio Senate Bill 93 supporting Amateur Radio Introduced to the Ohio Senate

We have just been notified that Ohio Senate Bill 93, a Bill that enacts sections 303.214, 519.214, 713.082, and 5502.031 of the Revised Code to codify federal restrictions on local zoning of amateur station antenna structures, thereby preserving amateur radio service communications as a Homeland Security resource, has been introduced to the Ohio Senate.

The Bill has been introduced by Senator Tim Schaffer (R-Ohio District 31). Last year Senator Schaffer introduced Senate Bill 218, which was written to achieve the same goal for Amateur Radio in Ohio. The new bill is currently co-sponsored by Senators Edna Brown (D Ohio District 11), Bill Seitz (R - Ohio District 8), Jimmy

Stewart (R- Ohio District 20), and Gayle Manning (R-Ohio District 13).

The bill can be found at the following URL: [http://www.legislature.state.oh.us/bills.cfm?ID=129\\_SB\\_93](http://www.legislature.state.oh.us/bills.cfm?ID=129_SB_93)

At this time, I would like for all Ohio Hams to contact your State Senator to support this Bill in its many states of progression. At this time, we are not sure which Committee this Bill will be assigned. As always, I will keep you informed.

My thanks to State Government Liaison Nick Pittner, K8NAP for his hard work in working with Senator Schaffer's office to have this new Bill introduced.

73, Frank J. Piper, KI8GW

## Addition to Skywarn Training Schedule

After last months newsletter was published, we were notified that Skywarn training for Columbiana county will be on March 22nd, at the Columbiana County Career Center, south of Lisbon. Registration is at 6:15.

Thanks to Dave, N8GOB for this information.

## Volunteers, & input needed for Field Day Committee

Volunteers are needed for the 2011 Field Day Committee. This years Field Day is on June 25<sup>th</sup>,/26<sup>th</sup>. This years site will be at the Sebring Campgrounds.

The Field Day committee will be getting together this month. Of course, opinions are also welcome.

If you are interested in helping, email me at [kd8mq@arrl.net](mailto:kd8mq@arrl.net).

## Quarterly ARES Meeting Scheduled for March 10th

The next quarterly meeting of the Stark County ARES is scheduled for Thursday, March 10th beginning at 7:00 PM. The meeting will be held at the Stark County Emergency Management Agency on Route 62 in Canton. We normally monitor the Stark County ARES Repeater on 147.12 MHz for directions and information.

The meeting agenda is currently being assembled but is expected to include a recap of last years public service activity, the agenda for this years Skywarn Spotter Training, current ARES News and a updated hospital report.

Stark County ARES members and those interested in public service are encouraged to attend. The meeting is expected to last approximately 2 hours.

Contact Assistant EC Terry Russ, N8ATZ for additional information at [truss@sssnet.com](mailto:truss@sssnet.com).

*(from the March 2011 Feedback, newsletter of the Massillon ARC, Gary, WC8W editor)*

## Fun Time Ham Radio

By Jerry Shore, N8SH

I think for understanding how we arrived in a world with modern communications it is fun to slow down and look at historical items once in a while.

I design cool new electronics but occasionally in my free time I like to play with older technology for entertainment.

Imagine it is January 1933 and a fresh new QST magazine arrives with a cool new receiver article and it seems like a fun project.

Or, you are a kid in the 50s or 60s with an old magazine that inspires some experimenting in the basement for some simple fun.

Back then a young potential ham might modify the design to fit the tubes he pulled from a broken set or were given to him.

In my experiments in my basement this past weekend I used a 12K7 for the regen stage tube, a 12A6 for the audio amp, and a 12SH7 as the RF amp. They are just the tubes I happened to find at a ham fest.

I got the 1933 article off the ARRL web site and I built the radio with a 150

VDC supply. I dropped the 150 volt supply to the individual stages with neon bulbs as either a series protection element or as shunt regulators-- like a regulator with multiple bulbs with a series element that protects the tubes from an accidental short.

These were circuits used to protect the tubes and/or regulate the voltage a bit.

In the 150 volt supply version I had severe hum in the signal. I suspect the hum was being magnetically coupled into the audio stage.

At the same time I decided to relocate the transformer power supply outside the main receiver I decided to re-bias the circuit to a lower plate Voltage just for curiosity.

The result is that I got the regen and audio stages to work at 30 Volts on the plate but not the RF amp,.

In the distant future say 1983 we could easily design the circuits by using computer circuit models but we are still in 1933 right?

We are using just a Triplet VOM and this is just a

weekend project.

OK we deal with the RF amp when I next pull out the 100 Watt plus soldering iron or gun. I might just use a higher voltage on the RF amplifier to make it easy.

Regardless I am out of time to spend on the radio for the moment and it works feeding the antenna directly to the regen stage.

Most of the receiver designs of the era omitted the RF amp anyway.

Regarding future related projects -- at the Mansfield hamfest I bought type a 58 and a type 19 tube.

Both tubes are in their original boxes. I paid roughly \$5 each -- they may be used in regen receivers someday.

Now back to the present where we use hot air and hot plates to solder and microscopes to see --

Jerry N8SH

## The Amateurs Code

The Amateur is:

**CONSIDERATE . . .** never knowingly operates in such a way as to lessen the pleasure of others.

**LOYAL . . .** he offers loyalty, encouragement and support to other amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

**PROGRESSIVE . . .** with knowledge abreast of science, well-built and efficient station and operation above reproach.

**FRIENDLY . . .** slow and patient operating when requested; friendly advice and counsel to the beginner, kindly assistance, cooperation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

**BALANCED . . .** Radio is an avocation, never interfering with duties owed to his family, job, school or community.

**PATRIOTIC . . .** station and skill always ready for the service to country and community.

*-- The original Amateur's Code was written by Paul M. Segal, W9EEA, in 1928*

## Rambling—cont

*(Continued from page 2)*

return this year.

In August, we have the Ohio QSO Party. Sounds to me like a great excuse for a party! The OHQP always falls on the 4<sup>th</sup> Saturday in August. That puts this years event on August 27<sup>th</sup>.

Also included is the flyer for the Dayton Bus Trip, sponsored by the Pioneer Amateur Radio Fellowship. Joy, KA8TDF tells me that last year, she had about 5 inquiries shortly after they had already cancelled the bus trip. If the trip sounds like a good deal to you, then **please** don't wait till the last minute!.

One last thing. Since I bought the new radio for the truck, I've been promising myself that I'm going to insure my Ham equipment. Last nights thunderstorms, and word from KD8BBK that his new shack flooded, brings home the point that we can't always wait till tomorrow.

Some things have to be done **today!** Now is the time to look at your insurance, and find out just how well covered you are, should you have a loss to your Ham Radio equipment.

Well, that's about it for this month. I hope you enjoy this issue of the Zero Beat. As always, comments, & suggestions are appreciated.

73, John, KD8MQ

## Minutes -cont.

*(Continued from page 3)*

•Tom reported that he had received a certificate from the ARRL signifying that a donation had been made in his father's name (Bob, K8RLS-SK) by someone from the Ohio SSB Net.

•John (W0OZZ) reported that the Canton club was planning to hold General classes one day a week for 6-8 weeks with Extra classes to follow. No exact start date was yet available. He also noted that the Canton club had received a grant to purchase equipment for a school station.

•President John reminded the club that the Mansfield hamfest was on the 13<sup>th</sup> and that the upcoming Saturday is the Canton club ham breakfast at the Nazir Grotto at 8 AM.

With no further business, the meeting was adjourned at 8:45 PM on a motion by Tom, seconded by Frank.

Minutes respectfully submitted by Don (AB8KV), Secretary.

**"I feel that there is a world market for as many as five computers"**

Thomas Watson, IBM corp. - 1943

## Wayback Machine—cont.

ence works, many aimed at beginners.

•The Alliance ARC had received honorable mention in the ARRL Club 2000 Achievement Award program. The winners were chosen based on club activities during the preceding two years.

•The 2001 mall show was coming up on Memorial Day weekend.

•The ARRL was offering a 5 year membership deal for only \$146. This reflected a savings over the new membership rates which were to come.

•The Mahoning Valley ARA was celebrating their 82<sup>nd</sup> anniversary. They were sponsoring "An Evening With Riley Hollingsworth". Hollingsworth, K4ZDH, was the FCC special counsel.

### **March, 2006, (Editor, KE8VE)**

•Jack, W8WEN described his visit to the Copley Middle School Amateur Radio Club.

•Spring Skywarn sessions were scheduled, and coming up in the next month.

•It was moved, and approved at the February meeting that 2006 Christmas party be held at Roadhouse Charly.

# March 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																	
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="7">Feb 2011</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		Feb 2011							S	M	T	W	T	F	S			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28						<p><b>1</b></p> <p>7:00 PM Stark Cty ARES Net (147.12)</p> <p>9:00 PM Northern Columbiana Cty Training Net (147.255)</p> <p>9:00 PM SAARA Net (146.805)</p>	<p><b>2</b></p>	<p><b>3</b></p> <p>7:00 PM PCARS Net (146.895)</p> <p><b>8:01 PM AARC CW (28.400 MHz)</b></p> <p><b>8:30 PM AARC SSB(28.400 MHz)</b></p> <p><b>9:00 PM AARC VHF (145.37(-))</b></p>	<p><b>4</b></p>	<p><b>5</b></p> <p>Ron, WC8F BD</p>
Feb 2011																																																							
S	M	T	W	T	F	S																																																	
		1	2	3	4	5																																																	
6	7	8	9	10	11	12																																																	
13	14	15	16	17	18	19																																																	
20	21	22	23	24	25	26																																																	
27	28																																																						
<p><b>6</b></p>	<p><b>7</b></p>	<p><b>8</b></p> <p>7:00 PM Stark Cty ARES Net (147.12)</p> <p>9:00 PM Northern Columbiana Cty Training Net (147.255)</p> <p>9:00 PM SAARA Net (146.805)</p>	<p><b>9</b></p> <p><b>AARC Meeting</b></p>	<p><b>10</b></p> <p>7:00 PM PCARS Net (146.895)</p> <p><b>8:01 PM AARC CW (28.400 MHz)</b></p> <p><b>8:30 PM AARC SSB(28.400 MHz)</b></p> <p><b>9:00 PM AARC VHF (145.37(-))</b></p>	<p><b>11</b></p> <p>8:00 PM Massillon Net (147.18)</p>	<p><b>12</b></p>																																																	
<p><b>13</b></p> <p>Mary Ann, KB8IVS BD</p>	<p><b>14</b></p>	<p><b>15</b></p> <p>7:00 PM Stark Cty ARES Net (147.12)</p> <p>9:00 PM Northern Columbiana Cty Training Net (147.255)</p> <p>9:00 PM SAARA Net (146.805)</p>	<p><b>16</b></p> <p>Cuyahoga Falls FoxHunt</p>	<p><b>17</b></p> <p>7:00 PM PCARS Net (146.895)</p> <p><b>8:01 PM AARC CW (28.400 MHz)</b></p> <p><b>8:30 PM AARC SSB(28.400 MHz)</b></p> <p><b>9:00 PM AARC VHF (145.37(-))</b></p>	<p><b>18</b></p> <p>8:00 PM Massillon Net (147.18)</p>	<p><b>19</b></p>																																																	
<p><b>20</b></p>	<p><b>21</b></p>	<p><b>22</b></p> <p>7:00 PM Stark Cty ARES Net (147.12)</p> <p>9:00 PM Northern Columbiana Cty Training Net (147.255)</p> <p>9:00 PM SAARA Net (146.805)</p>	<p><b>23</b></p>	<p><b>24</b></p> <p>7:00 PM PCARS Net (146.895)</p> <p><b>8:01 PM AARC CW (28.400 MHz)</b></p> <p><b>8:30 PM AARC SSB(28.400 MHz)</b></p> <p><b>9:00 PM AARC VHF (145.37(-))</b></p>	<p><b>25</b></p> <p>8:00 PM Massillon Net (147.18)</p>	<p><b>26</b></p> <p><b>AARC Foxhunt</b></p>																																																	
<p><b>27</b></p>	<p><b>28</b></p> <p>Don, K8OMO BD</p>	<p><b>29</b></p> <p>7:00 PM Stark Cty ARES Net (147.12)</p> <p>8:00 PM Homeland Security Net (147.51)</p> <p>9:00 PM Northern Columbiana Cty Training Net (147.255)</p> <p>9:00 PM SAARA Net (146.805)</p>	<p><b>30</b></p> <p>Cuyahoga Falls FoxHunt</p>	<p><b>31</b></p> <p>7:00 PM PCARS Net (146.895)</p> <p><b>8:01 PM AARC CW (28.400 MHz)</b></p> <p><b>8:30 PM AARC SSB(28.400 MHz)</b></p> <p><b>9:00 PM AARC VHF (145.37(-))</b></p>	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="7">Apr 2011</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </tbody> </table>		Apr 2011							S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Apr 2011																																																							
S	M	T	W	T	F	S																																																	
					1	2																																																	
3	4	5	6	7	8	9																																																	
10	11	12	13	14	15	16																																																	
17	18	19	20	21	22	23																																																	
24	25	26	27	28	29	30																																																	

Alliance Amateur Radio Club  
P.O. Box 3344  
Alliance, OH 44601

## The AARC Wayback Machine

Here again are some of the highlights from the last 20 years of the Zero goal Beat. you can read them at <http://www.w8lky.org/newsltrs/>.

### March, 1991 (Editor, KC3CL)

- Planning had begun for the 1986 AARC Mall show.
- A continuing source of interference to local repeaters had been traced to a defective Bus transmitter at the WKSU transmitter site.
- Dave, KC3CL was preparing to temporarily operate from Guantanamo bay, Cuba, as the KG4CL. Some CW was planned.
- An advertisement from Nifty QSL Service promised, for a price, to supply all QSL's needed to achieve the DXCC Honor Roll. We're pretty sure it was a joke. :-)

### March, 1996 (Editor, WX8G)

- WX8G was rambling. . Again. This time, about the lack of Fox Hunts, and the lack of anyone stepping up to take over as editor of the Zero Beat. There were only 4 more newsletters to go, before his retirement. *(I have it on good authority, that he wouldn't be gone for long—kd8mq)*
- There were stories of Hams gone wild. Jammers, and lawsuit stories were prevalent, luckily, none locally.
- There was a story about a HF LAN which was deployed within one of the navy's battle groups.

### March, 2001, (Editor, KD8MQ)

- The Amateur Radio world was mourning the loss of Bill Orr, W6SAI. Orr was best known for his numerous amateur radio books and refer-