



Wrap-Up for Field Day  
and the Three Rivers  
Festival Parade

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Seeking Ideas for the  
August Meeting and  
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Name That Core

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# Allen County HamNews

August 2015  
Volume 16  
Issue 8

Fort Wayne Radio Club Fort Wayne DX Association Allen County Amateur Radio Technical Society

## FWRC PARTICIPATES IN THE THREE RIVERS FESTIVAL PARADE



Photos provided by  
Al Burke, WB9SSE  
and Tom Rupp,  
KU8T.

More photos  
available on page  
7 and on the FWRC  
web page.

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### Internet Home Pages

Fort Wayne Radio Club:	<a href="http://www.FWRC.info/">http://www.FWRC.info/</a>
	<a href="http://groups.yahoo.com/group/FWRC/">http://groups.yahoo.com/group/FWRC/</a>
ACARTS:	<a href="http://www.acarts.com">http://www.acarts.com</a>
Fort Wayne DX Association:	<a href="http://www.qsl.net/fwdx/">http://www.qsl.net/fwdx/</a>
ARES:	<a href="http://groups.yahoo.com/group/Allen_Co_IN_ARES/">http://groups.yahoo.com/group/Allen_Co_IN_ARES/</a>
IN_PACKET Yahoo Group:	<a href="http://groups.yahoo.com/group/IN_PACKET/">http://groups.yahoo.com/group/IN_PACKET/</a>

Allen County HamNews is a monthly joint publication of the Fort Wayne Radio Club (P.O. Box 15127, Fort Wayne, IN 46885), the Allen County Amateur Radio Technical Society (P.O. Box 10342, Fort Wayne, IN 46851), and the Fort Wayne DX Association.

Please send any articles, classified ads, or other information to the editor, Ken Helms, AB9ZD, at ab9zd at arrl.net. Please put "For Newsletter" in the subject line. Most text and graphics formats are acceptable. Microsoft Word and JPEG are preferred if separate files are used. For those without computer access, please mail your submission to either of the clubs post office boxes.

The deadline for the each issue is the last day of the preceding month.

# Hamsplatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

## THE PRESIDENT'S CORNER

As was revealed at the July FWRC general meeting, the big news for the club is the opportunity to have another High Profile repeater system in the Fort Wayne area. At the meeting, we did a presentation on the possibility of placing a repeater system on the new tower that was put up by the WLDE FM radio station. The new tower is on Parrot Road in New Haven, and it is a beauty! At 375 feet, we would be able to locate our antennas at the 280 foot level. It would be a major effort for the club, as a lot of money would be required, and an entire new shack and antenna system would be needed as well.

What would this give the ham community? For starters, system coverage plotting software shows that we could significantly improve the coverage of the 76 (if that is the system we relocated to the Parrot Road site) giving the area another option for wide area coverage, in addition to the ACARTS 146.88 machine. The implications of this are easy: in an emergency situation there would be a repeater system that could take over if the 88 had any trouble or gremlins.

The club currently envisions only a "First Class" effort for this. In other words, no old or second hand antennas, only new feedline, a totally new 'shack', new electrical equipment; etc. We do not want to repeat any of the issues that require so much work on other systems. Here are some of the highlights of our proposal:

- 1.) We will have access to the WLDE site 24/7.
- 2.) Power, including backup power, will be free from the Station.
- 3.) Internet: free internet connection provided.
- 4.) Antenna(s) at the 280 foot level. We are

**August 21:** Annual Tailgate Hamfest starting at 6:30.



working toward a 2 meter and 440.

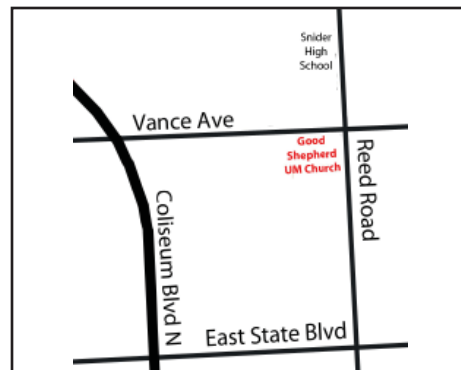
- 5.) New shack for good environmental protection of the equipment.
- 6.) Significant new fund raising efforts to pay for the construction and tower climbers.
- 7.) Use the recent new repeater gear that the club has obtained for best reliability.

8.) Possibly move the D-STAR to the new site, to reduce the number of sites we maintain.

Whew! Yes, this would be a major effort for the club if we vote to do this. Hopefully, we can get all the financial planning done by the time the station gives us a contract to examine. Please take the time to read the article on this subject we will post to the club website. We want to know the reaction of the club to this proposal and any questions, concerns, objections; etc. We want the club and its efforts to reflect the desires of its members!

Don't forget that this is August, and on the 21st, the club will have its annual Tailgate Hamfest. It is free to all, and always a lot of fun. The action starts in the Church parking lot at 6:30 pm. We'll see you all there!

Best regards, Steve Nardin, W9SAN



### Officers

#### President

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Jay Farlow, W9LW

Unless otherwise scheduled, all meetings are held at 7:00 PM at the Good Shepherd United Methodist Church, 4700 Vance Avenue, Fort Wayne, IN.



## FORT WAYNE RADIO CLUB MEETING MINUTES

The July meeting of the Ft. Wayne Radio Club was held at the Good Shepherd United Methodist Church on 17 July, 2015 and was hosted by club president Steve Nardin, W9SAN. There were about 30 people in attendance for this meeting, and, after reciting the Pledge of Allegiance, everyone present introduced themselves via their call-sign.

Treasurer Bob Streeter provided the status of our treasury. As of 17 July, 2015 the club had seen year-to-date income of \$3,587.96 and expenses of \$2,810.62. We had \$56.56 Cash-On-Hand, \$1,490.19 in Checking, and \$8,051.92 in Savings. Proceeds from the Field Day Hog Roast dinner netted the club \$98.06 while the breakfast served the following day netted \$9.78. Some of the expenses seen this month included the cost for three new vinyl club banners that were used in the TRF parade, and which will be used in future activities (at the Ft. Wayne Hamfest, in future parades, and in club activities where we want to advertise the club's existence). Expenses were also incurred for the printing of informational hand-outs promoting the club and Ham Radio. Al Burke, WB9SSE noted that five hundred copies of the handout were printed, and about three hundred were distributed by club members marching in the TRF parade. Two files representing the handout can be seen in the "Photos" tab of the club web page ([www.fwrc.info](http://www.fwrc.info)) along with photos taken during the parade. Check out the folder "Three Rivers Festival Parade".

Steve noted that the 8th annual Van Wert hamfest would occur on Sunday, 19 July at the Van Wert County Fairgrounds, 1055 S. Washington Street (U.S. Route 127). Van Wert, Ohio.

Steve mentioned that what with it being the 50th anniversary of the Ft. Wayne Children's Zoo, there might be an opportunity to set up a Special Events Station there and operate from the Zoo. Talk about exposure to Ham Radio! We are looking into it.

Steve then gave a summary of the club Field Day participation which included a PowerPoint presentation entitled "FWRC Field Day-2015, or, Is the Ark Ready Noah?" The wind & rain storm Friday evening and



follow-on weather Saturday sure made things interesting. But it also made for real-life emergency operations training, just like what Field Day is supposed to simulate. It was so wet, and the ground so saturated that no towers could be put up. The club operated 5A plus a GOTA station using dipoles. Charles Ward, KC9MUT reported that we will be claiming about 5556 points overall, and had 609 cw contacts, 674 phone contacts, 61 digital contacts and 180 GOTA contacts. A little less than last year, but not so bad considering the conditions. Significantly, no one was injured during this exercise although two rigs did blow up. Field Day photos can be found on the club web page ([www.fwrc.info](http://www.fwrc.info)), in the "photos" tab in the file "Field Day 2015".

After a coffee and goodies break, Steve provided a PowerPoint presentation which discussed a significant opportunity

that has been afforded the club. (The presentation is posted on the [www.fwrc.info](http://www.fwrc.info) web page). Radio station WLDE (101.7 FM), a part of Sarkes Tarzian, Inc. has moved to new tower facilities on Parrot Rd. in New Haven and they have offered tower space to the club for two antennas at the 280' level. The tower space, as well as power and internet access would essentially be free, offered to us as a public service. Based upon an analysis performed by Steve, Paul Prestia, KA3OPZ, Bruce Dennis, N3QKX, Jim Pliett, K9OMA and Al Burke, it appears the club would need to invest around \$6,900.00 if we install two antennas and the associated feedlines. The estimate includes the tower climber cost, plus the cost of a shelter of some kind to house our equipment. That's a lot of money, but the improvement in coverage we could expect (say, of the 146.760 machine), would be substantial.

At present we have forwarded documentation relative to the club liability insurance policy to the Sarkes Tarzian legal department and they will in turn compose a draft agreement for our consideration which would define the ground rules of any proposed contract between them and us. We would expect that this opportunity will likely be put before the club membership for a vote in September.

Respectfully submitted,

Al Burke, WB9SSE

Secretary, FWRC



# State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

## ACARTS PRESIDENT'S MESSAGE

I hope that all of you are enjoying your summer. You must have found plenty to keep you busy and put ACARTS and ham radio on the backburner. I didn't hear from any of you regarding a picnic or a club activity for August. Not even one suggestion or word of encouragement. You must be very busy, or out of town on a fabulous vacation. There won't be a club picnic this month or any club summer activity. Because of the low attendance at the June meeting, it has been decided that we will not hold a General Meeting in place of a picnic. There will be a Board Meeting to discuss club plans for the fall as well as the rapidly approaching Fort Wayne Hamfest.



Hamfest preparation is a continuing project from the close of last year's hamfest. This work has been carried on regardless of the lack of other club activities during the summer. Many thanks to Jim, KB9IH, Howard, N9ADS, Don, WB8HQS, and the others who have helped by giving up their time throughout the year to make the hamfest successful. I hope that many of you can attend a club meeting this fall, make your thoughts known, and make it worthwhile to the speakers who prepare and present a program. I'll see you at an ACARTS meeting.

73,

Dave Lindquist, W9LKH

**Our  
43rd  
BIG  
YEAR**



**FORT WAYNE  
HAMFEST**  
& Computer Expo

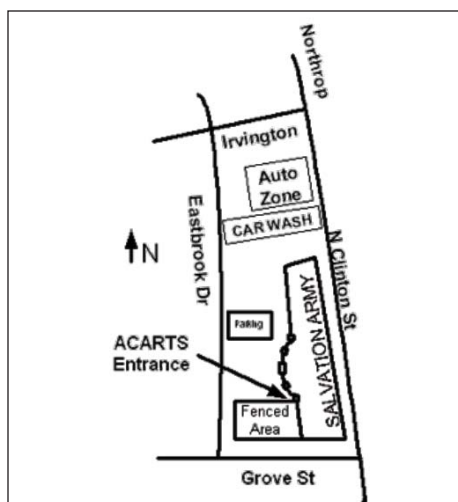
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**Allen County War Memorial Coliseum Exposition Center**  
4000 Parnell Avenue -- corner of Coliseum Blvd (Ind 930) and Parnell Avenue -- N 41 06.878 W 85 07.388

**November 14/15, 2015**

**August:** There will be no ACARTS general meeting or picnic in August.

Unless otherwise scheduled, all meetings are held at 7:00 PM at the Salvation Army Center, 2901 N. Clinton Street, Fort Wayne, IN.



## ACARTS Officers

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# IMO SKYWARN QUAD 2 ACTIVATES TWICE IN JULY

By Jay Farlow, W9LW, IMO SKYWARN Quadrant Two Director

On the evening of July 13, the National Weather Service (NWS) issued a tornado watch that included Allen County, Ind. and all the other Indiana counties in IMO SKYWARN quadrant two (see map below). The ACARTS 146.88 MHz repeater serves as a relay point for spotter reports from the entire quadrant to the NWS office in North Webster.

IMO SKYWARN put the repeater in SKYWARN "standby mode" shortly after the NWS issued the tornado watch. During standby mode, stations are welcome to use the repeater as they wish (although they are requested to keep transmissions short and leave enough time between transmissions to allow spotters to break in), and a SKYWARN net control station monitors the frequency to assist with any spotter reports.

For this particular operation, I served as the net control station operation. During the evening, 37 stations checked in to advise me of their presence and availability to submit reports (see list below). Net control stations accept such check-ins only during standby mode. When a directed net is in session, the net accepts check-ins only from stations that have spotter reports to make that comply with NWS reporting criteria.

It was great to have so many stations on the air, watching for reportable weather. I was particularly impressed by net discipline they demonstrated. No one transmitted during the directed net sessions except the one station who had hail to report. And he followed net procedures precisely when he made his report. Well done, stations!

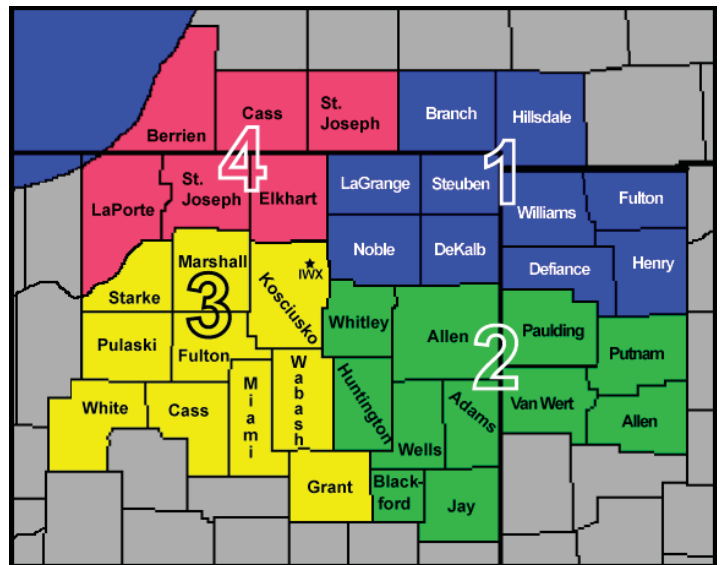
Below is the activity log and station list that I submitted to the NWS and IMO SKYWARN's president.

Time (EDT)	Activity
9:02 p.m.	Standby mode initiated on Fort Wayne 146.88 MHz repeater by W9LW
9:27 p.m.	Directed net mode initiated for severe thunderstorm warning in Allen and surrounding counties
9:31 p.m.	WX9IWX (NWS WFO) checked in
9:50 p.m.	AB9MX reported pea-size hail, western Allen Co, IN, Scott Road at State Rd. 14. WX9IWX not available, NCS relayed via NWsChat
10:01 p.m.	Returned to standby mode with warning expiration.
10:10 p.m.	Returned to directed net mode for new severe thunderstorm warning (Allen, Huntington, Wells)
10:45 p.m.	Returned to standby mode with warning expiration.
10:56 p.m.	W9BGJ reported water over U.S. 24 near Roanoke, Huntington Co., at county roads 900N and 1000N, street flooding visible in Roanoke from U.S. 24. WX9IWX not available, NCS relayed via NWsChat.

Time (EDT)	Activity
11:03 p.m.	W9BGJ reported entire intersection of U.S. 24 and S.R. 114 under estimated 6" - 8" of water. WX9IWX not available, NCS relayed via NWS-Chat.
11:20 p.m.	WX9IWX advised discontinuing operations for night.
12:01 a.m. July 14	Standby mode discontinued, repeater returned to normal operation.

Below is a list of the participating stations I logged:

- AB9MX
- AB9YA
- K9JDF
- KA9IPA
- KB9AYV
- KB9BGW
- KB9DOS
- KB9DOT
- KB9DOY
- KB9IH
- KB9YJH
- KC9APP
- KC9CGG
- KC9GLK
- KC9INJ
- KC9MOE
- KC9RAE
- KC9ZDA
- KC9ZZM
- KD9AKI
- KD9AVB
- KD9BTG
- KD9CXM
- KD9CYG
- N9EHK
- N9IRX
- N9JFS
- N9MEL
- N9PWW
- N9RAG
- N9RIS
- W9BGJ
- W9GGA
- W9QHY
- WB9AA
- WB9UDW
- WX9IWX (National Weather Service)



## July 13

Saturday, July 18, the National Weather Service issued a tornado watch at 4:59 p.m. EDT that covered Allen County and all other Indiana counties in IMO SKYWARN quadrant two.

At that time, there was no significant weather near the quadrant.

Later that evening, Bernie Holm, K9JDF, put the ACARTS 146.88 MHz repeater into SKYWARN standby mode and moni-

*Continued on page 7*



# NAME THAT CORE



**Carl Luetzelschwab K9LA**

If you've been active in Amateur Radio for a number of years, perhaps you've accumulated a junk box full of components. These components could be resistors, transistors, tubes (I still have some of these!), capacitors, inductors, knobs, meters, cores, connectors, etc.

Of those components, it's likely that the characteristics of most of them are identified by a color code (resistors, for example), by performing a mathematical calculation (air-wound inductors, for example), by reading the labeling (transistors, for example) or by doing a visual inspection (connectors, for example). The one exception seems to be cores – generally ferrite cores have no marking to identify their characteristics (there are some iron powder cores that are color coded – more on them later).

A great example of 'no marking' is a box full of half-cores that I have in the garage. The idea here is to lay a wire or cable in one of these half-cores and then add another half-core to fully encase the wire or cable. But I have no idea what these cores are. One way to answer the "what are they?" question is to stick a wire through the core and measure the resulting impedance – its resistance R and its reactance X. You can easily do that with an MFJ-259B (HF/VHF SWR Analyzer) or something similar, with one end of the wire to the center conductor of the RF connector and the other end to the ground side of the RF connector.

What you're looking for is the frequency at which the resistance R is equal to the reactance X. Knowing that frequency, you can then go to Figure 1 to determine the permeability of the core. Also included on

the graph is tabular data on various ferrite materials. For the record, Figure 1 was developed by looking at the data sheets of ferrite core materials 61, 43 and 73 and plotting the frequency where  $R = X$  versus the permeability of the material. As can be seen, the higher the permeability, the lower the frequency where  $R = X$ . This plot should get you in the ballpark of the permeability of the unknown core.

I went through this procedure for my box of half-cores. I started at the lowest frequency, which is about 1.7 MHz on the MFJ-259B. The frequency where  $R = X$  was around 17 MHz. That says these cores are most likely ferrite material 33 with a permeability of around 600. After learning this, the first thing I did was write this information on the box! I also measured several other ferrite cores I have laying around – now I know what they are just in case I need something in the future.

Earlier I mentioned iron powder cores. Iron powder cores have a much lower permeability, and are generally used in high power applications like 4:1 matching transformers at the output of an RF power amplifier or at an antenna. In fact, I used a big iron powder core in a 4:1 transformer at the base of a short 80-Meter vertical that I had on the roof of the house when we lived in Texas. Table 1 is data from the company Micrometals on their iron powder cores.

Mix	Permeability	Color code
0	1	tan/tan
12	4	green/white
17	4	blue/yellow
10	6	black/clear
6	8.5	yellow/clear
4	9	blue/white
7	9	white/clear
2	10	red/clear
1	20	blue/clear
15	25	red/white
3	35	gray/clear
8	35	orange/clear
42	40	blue/red

Table 1 – Iron Powder Cores from Micrometals

In summary, I hope this helps sort out some of the stuff in your junk box. It sure has helped me. By the way, this topic came from a question about ferrite cores on the topband reflector.

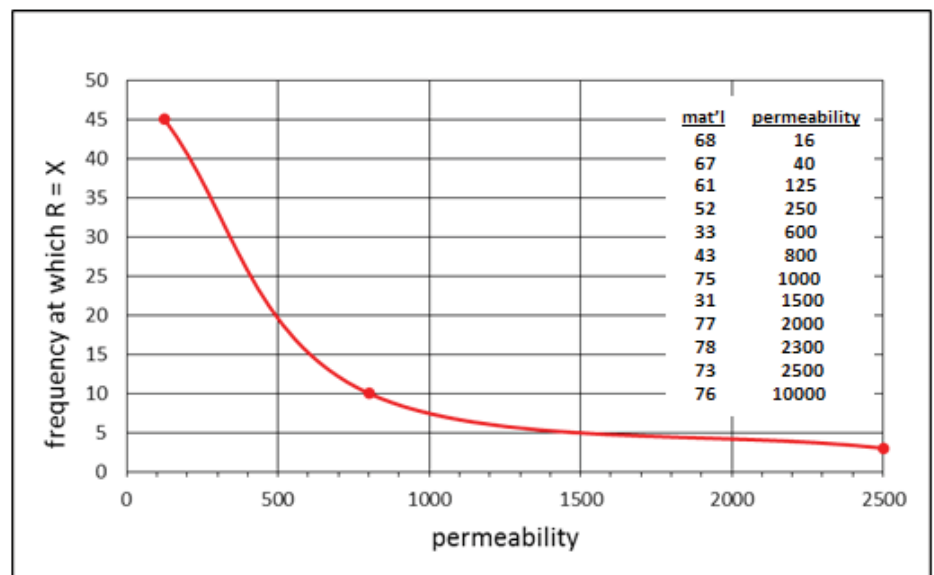


Figure 1 – Ferrite Characteristics

## SKYWARN continued from page 5

tored for any spotter reports to forward to the National Weather Service. Below is his activity report:

Time (EDT)	Activity
7:57 p.m.	NWS issued a severe thunderstorm warning that covered several counties, including Allen County, Ind. Placed the repeater into SKYWARN directed net mode.
8:32 p.m.	N9PWM reported hail directly to WX9IWX at the northern Indiana NWS office.
8:36 p.m.	NWS issued a new severe thunderstorm warning that also covered several counties, including Allen County, Ind.
9:30 p.m.	NWS canceled the tornado watch for all counties in IMO SKYWARN quadrant two. Returned the repeater to normal operation.

Below is a list of participating stations Bernie logged during the July 13 operation:

- KB9WWM
- KC9MUT
- N9PWM
- WX9IWX (National Weather Service)

### SKYWARN net control stations needed

IMO SKYWARN is seeking additional stations to serve as quadrant two net control stations (NCS) during severe weather events in and near Fort Wayne.

As can be surmised from the reports above, the role of a SKYWARN NCS includes:

- Maintaining familiarity with IMO SKYWARN standard operating procedures
- Placing the repeater into standby, directed net or normal mode, as appropriate to the situation
- Monitoring for spotter reports and assisting with the relay of such reports to the National Weather Service.
- Coordinating with other net control stations for relief, as necessary
- Periodically informing monitoring stations of the situation

To be eligible for this important volunteer position, a person must:

- Hold a valid FCC Amateur Radio license that provides voice operating privileges on the two-meter band
- Have completed NWS-provided SKYWARN training within the past three years (required) and ideally, within the past year (preferred)
- Be familiar with IMO SKYWARN quadrant two standard operating procedures (available for download on the FWRC website).
- Be able to clearly copy and provide a strong signal on the ACARTS 146.88 MHz repeater and the FWRC 146.76 MHz re-

peater (used when the ACARTS repeater is unavailable).

- Ideally (preferred, but not required) be able to access one of Fort Wayne's 440 MHz repeaters to coordinate with other NCS operators.
- Have a reliable Internet connection (to relay reports when the NWS ham station is not on frequency).
- Ideally (preferred, but not required) have NCS experience with any type of net

Anyone interested in becoming a SKYWARN quadrant two NCS should contact Jay Farlow, W9LW at w9lw@arrl.net

### More Three Rivers Festival Photos



# THE FOXHUNT CHRONICLES

The July foxhunt occurred as scheduled on 12 July, in a brief respite between monsoons. There were only two foxhunting teams available for this contest what with people decompressing after participation in the Three Rivers Festival parade the day before, replacing the brakes on their van, putting the finishing touches on their Ark, brewing up 55 gallon drums of DEET, and so forth. The two teams available to participate were that of Kim & Jim Machamer, KB9's DOT & DOS, and the team of Carole & Al Burke, WB9's RUS & SSE.

The role of the fox was provided by Charles Ward, KC9MUT, Fred Gengnagle, KC9EZP and Robert Dean, KC9UHU, commonly referred to within the foxhunting community as "The Devious Ones", (for good reason). They hid out at a City of New Haven Park Department facility several blocks from Charles's QTH near an out-of-service Parks Department swimming pool. They chose this spot in somewhat of a panic after having to abandon two other previously planned hide locations because those sites were under water. They employed the usual high-power fox plus a microprocessor enabled microfox which burped out about 200 mw of cw on 146.580 MHz.

Now, the Ward-Gengnagle-Dean crew outdid themselves in camouflaging that microfox. They put it inside an aluminum duplex service box, you know, the kind



you routinely find in outside locations that are meant for waterproof service. The thing had a standard duplex receptacle installed so you couldn't see the microfox inside. The microfox's antenna extended down into about a 6" length of standard plastic conduit with a stake on its lower end that was shoved into the ground. They installed it alongside several other electrical outlets grouped around a fence post so that the thing looked like it had been there for years. Absolutely devious!!

As it turns out, Jim & Annie Pliett were occupied at their lake place in Michigan, and could not participate in the hunt. But I had their foxhunting van because we used it to support the FWRC's participation in the Three Rivers Festival parade the day before. So it was just Carole & I driving the van and operating the cubical-quad foxhunting antenna mounted on the roof of Jim's van. We got to the Cobin Memorial Park start location a few minutes late so the hunt started at 13:40 hours instead of the usual 13:30.

Both teams heard the high power fox transmissions right off the bat, and we got DF bearings to the east, indicating that we would be heading into that dreaded RF sinkhole, New Haven. So we headed out Lake Ave. and then the North River Rd. and thence into New Haven proper. We had been getting consistent bearings on the high power fox, and then on the low power fox once we got into New Haven. At that point we evidently drove under a low hanging branch because the DF bearings, to put it in technical terms, went kablooey. The antenna pattern had no directivity. After observing a few frustrating fox transmissions we stopped and I took

a look at the antenna and discovered that both the 1st director and the reflector were boogered-up (another technical term). I should have attempted a field repair, but I didn't, even though I figured I would incur the wrath of Jim for messing up his antenna. (He was cool about it though, I only have to mow his lawn for two summers).

We had to try to find the fox based upon signal strength alone, which proved difficult. Since we were near Charles's QTH, we figured "Aha, that dirty rass-a-frass is sitting on his front porch with a cold one taunting us from there". But no, that wasn't the case. After driving around his neighborhood a bit we finally spotted his vehicle and the Machamer's at a New Haven Parks facility a few blocks to the east of Charles's QTH.

Kim & Jim had already located the microfox by the time we arrived. Curiously, Carole and I noticed that everyone had a knowing grin on their faces when we went afoot. I was using my third harmonic yagi and quickly was able to identify the location of the microfox, obviously near a fence post where a number of electrical outlets were located.

As I described previously, the microfox was located inside an aluminum duplex box that looked like it had been there for a long time.

Both Carole and I touched the box several times not realizing the evil Ward-Gengnagle-Dean crew had hidden the microfox within.

But I finally pulled on the box, and it and the associated conduit came out of the ground. The conduit was attached to a stake. Kim noted the look on my face when I realized how devious this fox hide had been, and commented to Charles, "I'd be worried where Al's going to stick that stake".

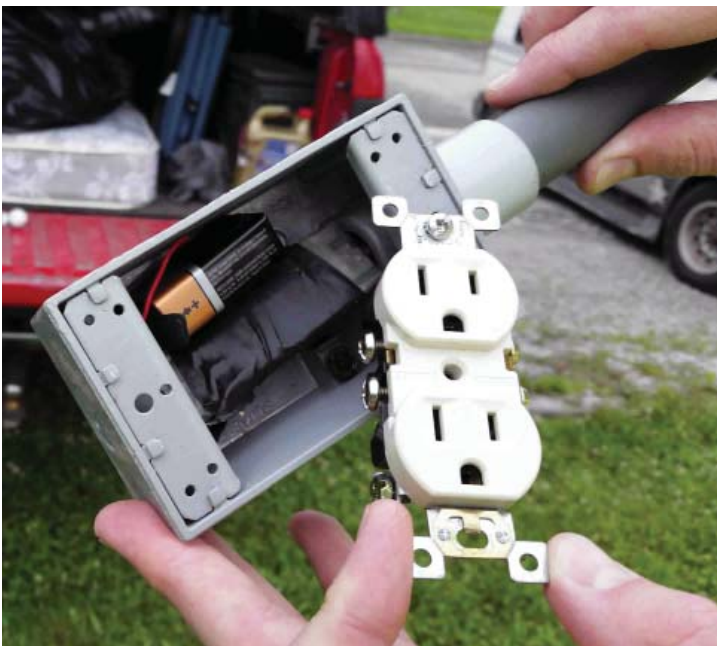
Following the hunt, everyone wandered over to the Rack & Helen's Bar & Grill in downtown New Haven and chowed-down. They offer good food in that place and the servings are huge. THEN we all went a few blocks south to the Carousel Ice Cream shop and had a delicious and well deserved dessert. (Fox hunters eat well.)

## 2015 Foxhunt Schedule

The following is the planned Foxhunt schedule for 2015. All foxhunts start at 1:30 PM on Sunday. The starting location will be the River Greenway Trailhead (Cobin Memorial Park) near the Lakeside Golf Course:

August 2  
September 13  
October 4  
November 1





**Announcing**  
**The 45th Annual**  
**LAFAYETTE HAMFEST**  
 ARRL sanctioned Hamfest  
**Sunday August 16th, 2015**  
  
***New Location!***  
***Cary Boy Scout Camp***  
  
 6286 State Road 26 East, Lafayette, IN  
 Approximately 1.5 miles east of I-65

Kim & Jim Machamer won this one, so they will serve as the fox for *the August hunt which will occur on Sunday the 2nd. The fox will be warbling on 146.430 MHz, and we will use 146.760 for the intercom.* (I don't know who found the microfox first, Jim or Kim. Nobody will tell me. So I'm going to be a gentleman and assume Kim found it first, until someone updates me. The scorecard below will reflect that assumption).

Given who found what when mentioned above, and the associated assumption, the points accrued for this hunt, and for the year-to-date points are:

CALL	MAY SCORE	YEAR-TO-DATE
K9OMA	0	18.66
KA9YYI	0	16.66
WB9RUS	1	17.66
WB9SSE	1	17.66
W9SAN	0	7
W9LAN	0	7
ALEX	0	4
KB9DOS	2	6
KB9DOT	3	7
	First to Find	
KC9MUT	3.5 Fox	28.25
KC9UHU	3.5 Fox	27.25
KC9EZP	3.5 Fox	16.25
KC9UOQ	0	9.5
KK4QXC	0	7.5

Respectively submitted,  
 Al Burke, WB9SSE



**GREAT DISGUISE FOR THE MICROFOX.**

Photos provided by Al Burke, WB9SSE.

# CONTEST CALENDAR

Here are a few of the contests that will be held in the next few weeks. Please refer to the contest web sites for full rules, scoring information, operating periods or time limits, and log submission information.

Some of the places on-line with information on contests include:

- |                              |                                                                                            |                                 |                                                                                                 |
|------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------|
| ARRL Contest Corral Web page | <a href="http://www.arrl.org/contests">www.arrl.org/contests</a>                           | ARRL's National Contest Journal | <a href="http://www.arrl.org/ncj">www.arrl.org/ncj</a>                                          |
| ARRL Contest Update          | <a href="http://www.arrl.org/contest-update-issues">www.arrl.org/contest-update-issues</a> | Contesting On-Line              | <a href="http://www.contesting.com">www.contesting.com</a>                                      |
| WA7BNM Contest Calendar      | <a href="http://www.hornucopia.com/contestcal/">www.hornucopia.com/contestcal/</a>         | Contesting Wiki                 | <a href="https://en.wikipedia.org/wiki/Contesting">https://en.wikipedia.org/wiki/Contesting</a> |
| DX Zone Contesting           | <a href="http://www.dxzone.com/catalog/Contesting/">www.dxzone.com/catalog/Contesting/</a> | ARRL Contest Calendar           | <a href="http://www.arrl.org/contest-calendar">www.arrl.org/contest-calendar</a>                |

ARRL AUGUST UHF CONTEST			NORTH AMERICAN QSO PARTY, CW			MARYLAND-DC QSO PARTY					
AUGUST 1, 1800Z		AUGUST 2, 1800Z		AUGUST 2, 1800Z		AUGUST 2, 0559Z		AUGUST 8, 1600Z		AUGUST 9, 2359Z	
-	222+	PHONE, CW, DIGITAL		1.8-28	-	CW		1.8-28	50-432	CW, DIGITAL	
4-CHARACTER GRID SQUARE			NA: NAME AND SP. NON-NA: NAME			MD: CLASS, COUNTY. NON-MD: CLASS, SPC					
<a href="http://www.arrl.org/august-uhf">www.arrl.org/august-uhf</a>			<a href="http://www.ncjweb.com/NAQP-Rules.pdf">www.ncjweb.com/NAQP-Rules.pdf</a>			<a href="http://mdcqsoparty.w3vpr.org/">http://mdcqsoparty.w3vpr.org/</a>					
ARRL 10 GHz AND UP CONTEST			NORTH AMERICAN QSO PARTY, SSB			ARRL ROOKIE ROUNDUP, RTTY					
AUGUST 15, 0600Z		AUGUST 16, 2359Z		AUGUST 15, 1800Z		AUGUST 16, 0559Z		AUGUST 16, 1800Z		AUGUST 16, 2359Z	
-	10GHz+	PHONE, CW, DIGITAL		1.8-28	-	PHONE		3.5-28	-	DIGITAL	
6-CHARACTER GRID SQUARE			NA: NAME, SPC. NON-NA: NAME			NAME, YEAR FIRST LICENSED, SPC					
<a href="http://www.arrl.org/10-ghz-up">www.arrl.org/10-ghz-up</a>			<a href="http://www.ncjweb.com/NAQP-Rules.pdf">www.ncjweb.com/NAQP-Rules.pdf</a>			<a href="http://www.arrl.org/rookie-roundup">www.arrl.org/rookie-roundup</a>					
HAWAII QSO PARTY			OHIO QSO PARTY			KANSAS QSO PARTY					
AUGUST 22, 0400Z		AUGUST 24, 0400Z		AUGUST 22, 1800Z		AUGUST 23, 1800Z		AUGUST 29, 1400Z		AUGUST 30, 2000Z	
1.8-28	-	CW, DIGITAL		3.5-28	-	PHONE, CW		3.5-28	50	PHONE, CW, DIGITAL	
RS(T), QTH ID			RS(T), COUNTY, OR SPC			RS(T), COUNTY, OR SPC					
<a href="http://www.hiqsoparty.org/">www.hiqsoparty.org/</a>			<a href="http://www.ohqp.org/adminRules.htm">www.ohqp.org/adminRules.htm</a>			<a href="http://www.ksqsoparty.org/">www.ksqsoparty.org/</a>					

## Classified Ads

Items for Sale

Want to Buy



If you have something you would like to have listed in the classified section then please send an email to the newsletter editor at [ab9zd@arrl.net](mailto:ab9zd@arrl.net).

The Allen County HamNews is prepared using Adobe's InDesign software along with PhotoShop and Acrobat on an i7 PC running Windows 7.

Articles, photographs, and classified ads for publication in the Allen County HamNews should be emailed to the newsletter editor at [AB9ZD@ARRL.NET](mailto:AB9ZD@ARRL.NET) several days before the first of the month.

## Say Again?

"Two antennas met on a roof, fell in love and got married. The ceremony wasn't much, but the reception was excellent."

# ANGOLA HAMFEST



SPONSORED BY THE LAND OF LAKES AMATEUR RADIO CLUB

**SATURDAY AUGUST 8, 2015**

**8:00AM – 12:00PM**

**Angola Community Church of the Nazarene**

255N Gerald Lett Ave

**ANGOLA, INDIANA 46703**

( 41.636775, -85.028849 )



# Membership Application for ACARTS OR FWRC

Name: \_\_\_\_\_ Call sign: \_\_\_\_\_ License class: \_\_\_\_\_  
 Street address: \_\_\_\_\_ City: \_\_\_\_\_  
 State: \_\_\_\_\_ ZIP: \_\_\_\_\_ - \_\_\_\_\_ Phone #: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Unlisted?  Yes  
 Email address: \_\_\_\_\_ ARRL Member?  Yes

(ARRL membership helps your club maintain affiliation.)

May we list your name, call & email address in our membership roster and on our club web site?  Yes  No

Both clubs now offer this newsletter as a downloadable (Adobe Acrobat) PDF file, in lieu of a paper copy sent through the mail. For FWRC a mailed paper newsletter is a \$20.00/yr. premium.

How would you like your newsletter delivered?  by snail mail  download from web site.

<b>A.C.A.R.T.S. Dues</b>	
Regular membership	<input type="checkbox"/> \$12.00 / year
Additional family members <sup>1</sup>	<input type="checkbox"/> \$6.00 / year
Student membership <sup>2</sup>	<input type="checkbox"/> \$6.00 / year
Associate membership <sup>3</sup>	<input type="checkbox"/> \$6.00 / year
(New Regular memberships are \$1/month)	

<b>Fort Wayne Radio Club Dues</b>	
Regular membership	<input type="checkbox"/> \$20.00 / year
Family membership <sup>1</sup>	<input type="checkbox"/> \$30.00 / year
Student membership <sup>2</sup>	<input type="checkbox"/> \$5.00 / year
Associate membership <sup>3</sup>	<input type="checkbox"/> \$20.00 / year
Mailed newsletter premium	<input type="checkbox"/> \$20.00 / year
(Memberships for Jul - Dec are 1/2 the stated amounts.)	

1. Please list all names and calls on an attached sheet.      2. K-12 or full time student      3. Unlicensed member

Please attach a check (number \_\_\_\_\_) for the appropriate amount and bring to a club meeting or mail to:

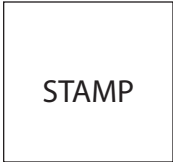
ACARTS	Fort Wayne Radio Club.
PO Box 10342	PO Box 15127
Fort Wayne, IN 46851-0342	Fort Wayne, IN 46885-5127

For dual membership, send a check to each club for your respective membership. Payment by check is strongly encouraged!

<b>ACARTS AND FWRC REPEATERS</b>		
<b>W9INX</b>		<b>ACARTS</b>
146.880 (-)	No tone	General use / Skywarn priority
147.255 (+)	No tone	General use
443.800 (+)	No tone	General use
144.390 (s)	Digital	APRS - wide
145.530 (s)	Digital	W9INX-1 Digipeater and Node
<b>W9TE</b>		<b>FWRC</b>
146.760 (-)	141.3 Hz	General use (Note 1)
146.940 (-)	No tone	General use with auto-patch (Note 1)
146.910 (-)	No tone	EchoLink connection repeater Node number 519521 (Note 1)
444.875 (+)	141.3 Hz	General use (Note 1)
439.25 In, 910.250 Out	ATV	144.340 Audio & control
442.99375	D-STAR	General use (Note 2)
224.880 (-)	No tone	W9FEZ, 1.6 MHz offset
<b>Notes:</b>		
1. Output 141.3 Hz, present		
2. Offset + 5.0 MHz, W9TE ___ B, W9TE ___ G		

<b>AREA NETS</b>					
<b>Daily</b>			<b>Tuesday</b>		
8:00 AM	3.535	Daily (QIN) Indiana Section CW net	8:00 PM	50.580 USB	FWRC 6 Meter Net
8:30 AM	3.940	Daily Indiana Traffic Net	9:00 PM	146.940-	Allen Co. ARES Training Net
6:00 PM	3.940	Daily Indiana Traffic Net	<b>Wednesday</b>		
6:30 PM	146.880-	IMO (alternate is 146.760)	7:00 PM	146.760-	FWRCYL Net
7:00 PM	147.015+	Tri State Two Meter Net	7:30 PM	147.150	21 Repeater Group
8:00 PM	3.535	Daily (QIN) Indiana Section CW net	8:00 PM	145.270	Whitley Co. ARES (131.8 PL disabled)
<b>Week Days</b>			9:00 PM	146.940-	Help and Swap Net
8:30 AM	3.820	Little Red Barn Net	<b>Thursday</b>		
<b>Sunday</b>			7:30 PM	D-STAR	Indiana D-STAR net (Note 3)
8:00 PM	444.550+	Whitley Co. Sunday (131.8 PL)	8:00 PM	50.580 AM	6 Meter AM Net
8:30 PM	1.965 & 146.910-	"No-Name" Net also on EchoLink Node number 519521	8:30 PM	145.510 (s)	Allen County ARES Digital Operations Team Training Net (Note 4)
9:00 PM	145.530	Northeast Indiana Packet Net (Note 2)	<b>Saturday</b>		
			8:00 PM	146.685-	Huntington ARES
<b>Notes:</b>					
1. All times local time. <b>Any changes or corrections should be submitted to the newsletter editor AB9ZD (at) ARRL.NET.</b>					
2. On 145.530 @ 1200 baud. Use unconnected converse mode to communicate for a roundtable net setting. Use your "UNPROTO" command or equivalent to set Digi path(s) through the strongest station(s) needed between you and your destination. Only use those that are necessary! Have all your "Monitor" settings on so you can see everyone.					
3. 1st and 3rd Thursday, Reflector REF024B.					
4. Net starts using BPSK-31 and switches to BPSK-250 after roll call to pass traffic etc. NBEMS suite of software (FLDIGI, FLMSG, and FLAMP) is preferred.					
5. Indiana HF Traffic Nets Web Site: <a href="http://www.inarrl.org/inhfnets.html">http://www.inarrl.org/inhfnets.html</a>					





To:

## Activities Calendar



Date	Time	Event	Place
08/02/2015	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin	Memorial Park near Lakeside Golf Course
08/11/2015	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
08/11/2015	7:00 PM	FWRC Board Meeting	GSUMC
08/21/2015	6:30 PM	FWRC Tailgate Hamfest	GSUMC
09/08/2015	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
09/08/2015	7:00 PM	FWRC Board Meeting	GSUMC
09/13/2015	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin	Memorial Park near Lakeside Golf Course
09/15/2015	7:00 PM	ACARTS General Meeting	Salvation Army Facility
09/18/2015	7:00 PM	FWRC General Meeting	GSUMC
11/15/2015	9 AM - 4 PM	2015 Fort Wayne Hamfest	Allen County War Memorial Coliseum
11/16/2015	9 AM - 2 PM	2015 Fort Wayne Hamfest	Allen County War Memorial Coliseum