



# Allen County HamNews

Fort Wayne Radio Club Fort Wayne DX Association

Allen County Amateur Radio Technical Society

June 2015  
Volume 16  
Issue 6

## FWRC REPEATER TONE CHANGES AND ECHOLINK RESTORED

Paul Prestia, KA3OPZ has configured a continuous tone-coded squelch system (CTCSS) tone of 141.3 Hz on the output of the FWRC repeater on 146.91 MHz, located on the campus of IPFW.

The repeater's input continues to operate on carrier squelch, which means CTCSS is not required to use the repeater. The tone on the output, however, will allow users to optionally configure their radios to remain silent except when the repeater is transmitting, thus preventing the reception of intermodulation interference, distant repeaters on the same frequency, etc.

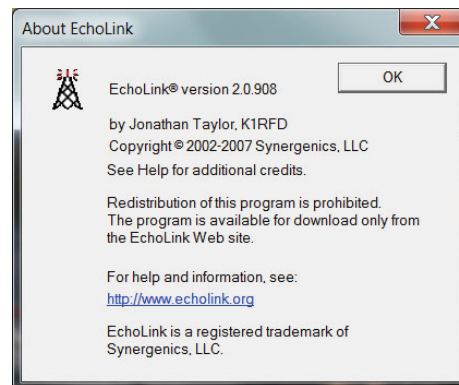
The table below reflects the current CTCSS status of all FWRC repeaters as of the first of June:

Repeater	Input CTCSS & Status	Output CTCSS & Status
444.875	141.3 Hz, required	141.3 Hz, present
146.760	141.3 Hz, optional	141.3 Hz, present
146.940	None	141.3 Hz, present
146.910	None	141.3 Hz, present

Echolink services have returned to the FWRC 146.91 MHz repeater after a brief outage. Robert Dean, KC9UHU, the Senior Help Desk Consultant for the IPFW IT Services Help Desk and a current member of FWRC, informed us on May 2nd that our system running the Echolink node on the 146.91 repeater was no longer able to connect to the internet because the FWRC system was running Windows XP. Paul Prestia, KA3OPZ, upgraded the Echolink PC from Windows XP to Windows 7 to resolve the problem.

Microsoft stopped supporting Windows XP on April 8, 2014. In response to this and the potential security issues related to continued use of Windows XP, all computer systems at IPFW were upgraded to Windows 7. IPFW now blocks all Windows XP computers from connecting to their network. Since our Echolink node was running Windows XP, it was offline until it was upgraded to Windows 7. Switching to a different operating system, such as Linux, would have been an option as well but the additional work needed to implement one of them was significantly more difficult than the Windows 7 approach.

Our Echolink node number is 519521.



<http://www.echolink.org/>

### Also this month

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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/fwdxa/">http://www.qsl.net/fwdxa/</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@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.

# Ham splatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

## THE PRESIDENT'S CORNER

The most recent issue of QST, the June issue, is of course dedicated to what else: Field Day! Set for June 27th and 28th we hope to have the great location of Dolnick Learning Center on the IPFW campus again this year. Hopefully, we will be able to set up as many stations as last year (a "6A" effort) and a fully functioning GOTA (Get On The Air) station as well. The GOTA will feature the club's latest donation, a Yaesu FT-1000MP Mark 'V' transceiver with a complement of Collins mechanical filters! This is one sweet radio and should prove to be a delight for those operating in their first Field Day!

Once again we will host the Saturday night Hog Roast and carry in, with a bunch of delicious food. For Sunday morning, the FD breakfast featuring blueberry pancakes and bacon and sausage is another way to enjoy the time at FD. If you would like to set up a station for FD, please coordinate via Brian Jenks, W9BGJ, Field Day Chairman, or FWRC Communications Manager, Charles Ward, KC9MUT, or contact any BOD member.

Since interest in having the club do a full VHF QSO Party operation was not received, we are again asking all those who

enjoy contesting to work the QP and turn in your logs with "Fort Wayne Radio Club" listed as your club affiliation. Thanks to all that did this with the Indiana QSO Party around the first of May. I have read the logs submitted and we had five stations that did submit. Let's do it again for the VHF Party!



We are still working on details for a possible place in this year's upcoming Three Rivers Festival Parade on July 11th. The biggest challenge is coming up with a Zoo theme for Amateur Radio! We will post our progress on the club web site. If you are interested in helping out, please contact Kim Machemer, KB9DOS, and let her know you are willing to lend a hand.

Best regards,

Steve Nardin, W9SAN

### Local Ham License Exam Sessions

Next Date: 07/25/2015

9:00 AM (Walk-ins allowed)

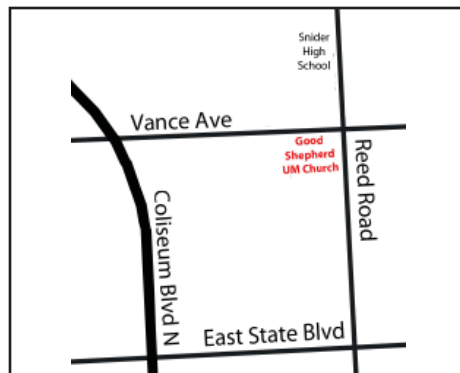
Contact Roger L. Mc Entarfer (260) 503-9008 or n9qcl (at) arrl.net

Peabody Library  
(lower level, community rooms A & B)  
1160 E State Road 205  
Columbia City, IN 46725-2312

Whitley County ARC, Inc.



**June 19:** The meeting topic will be preparing for Field Day.



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

### Officers

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#### W9TE Trustee

Carole Burke, WB9RUS

#### Webmaster

Jay Farlow, W9LW



# DAYTON HAMVENTION PHOTOS

Photos provided by Al Burke, WB9SSE.



**HAMFEST!!!**  
It's Like Spring Break For Geeks.

# State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

## ACARTS PRESIDENT'S MESSAGE

Many thanks to Andy, KB9YJH, for his great presentation on the basic aspects of FLDIGI at the May meeting. Andy has agreed to give another presentation in the future going into more detail of various aspects of the program, including on-the-air demonstrations between radios at the meeting. Andy has also offered to help any of you set up your Signalink to work with FLDIGI. This could lead to a very enlightening meeting in the fall.

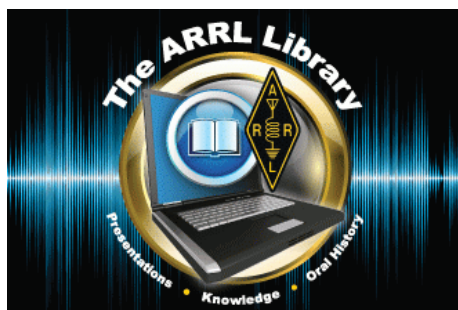
The June program will be a presentation by Jim, KB9IH, on the antenna modeling program EZNIC.

There are no ACARTS meetings in July, which brings us to August. August has traditionally been ACARTS Picnic. It has been held at the home of Jim and Corrine Boyer for the past several years. Corrine has stated that she no longer wants to host the picnic, so we have to make other arrangements for August. Many, Many, Many thanks to Jim and Corrine for their past hospitality. My wife said that she wants no part of hosting the picnic. If ACARTS is to have a picnic this year, one or two of you will have to come forward and organize one. It doesn't have to be at a residence. Many years ago, the club rented a pavilion and held the occasion at a park, but there were a lot more members then, many of whom had small children that attended. Someone has to step forward and be willing to organize and make the arrangements for a picnic. The club will provide the hamburgers and hotdogs, as well as the drinks. The



73,  
Dave Lindquist, W9LKH

side dishes and desserts will be carry-in as in the past. I know that many of you can be very creative. How about planning an activity for a Saturday afternoon in August that the ACARTS members and their families will be lining up to attend.

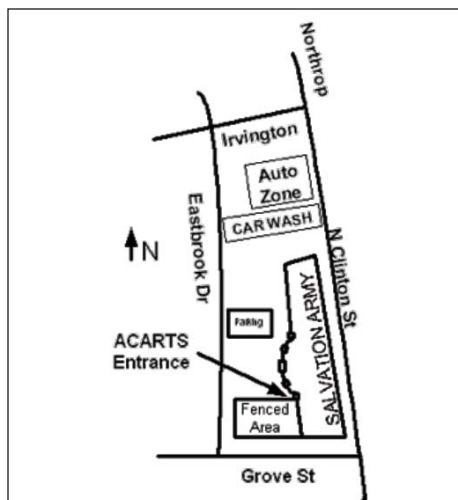


The ARRL Library is now live! The online library is a free repository of educational presentations and oral histories. It is aimed at helping to preserve amateur radio's history and to educate clubs and individuals.

"This is your opportunity to submit material for the betterment and education of all radio amateurs" said ARRL Media and Public Relations Manager Sean Kutzko, KX9X.

**June 16:** Jim, KB9IH, will have a presentation on the antenna modeling program EZNIC.

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

### President

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## ACARTS MAY BOARD MEETING MINUTES

Present: Dave, Jim, Bernie, Howard, Andy, Gabe (visitor, my son, 9 yrs old)

Start: 7pm

End: 8pm

- May presentation by Andy Sprow on NBEMS sound card modes, with focus on FLDIGI
- June presentation by Jim on EZNEC (antenna modeling program)
- July will have no meetings at all
- August will NOT have a picnic at Jim's this year, we need to either come up with a program or have someone take over organizing the picnic (14 people last year)

Andy Sprow, KB9YJH

## AMATEUR RADIO HISTORY ON THE INTERNET

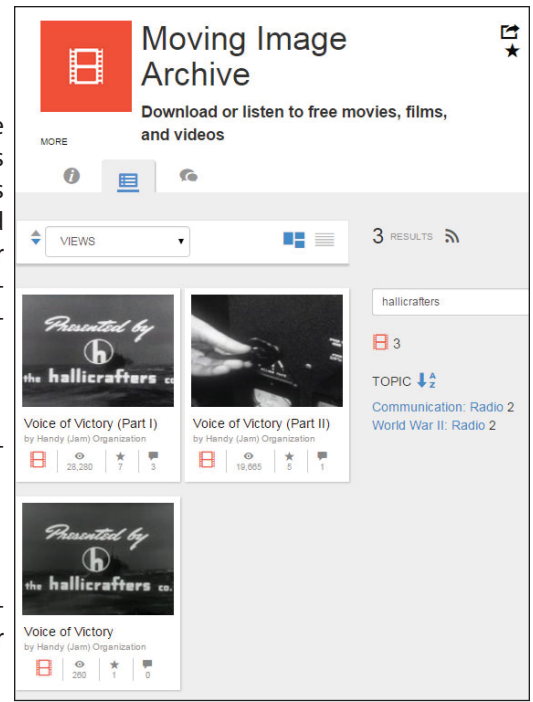
Amateur radios contributed to the effort to win World War II. Radios manufactured by the Hallicrafters Company in Chicago were modified and used by the military in World War II. Hallicrafters documented this in videos that can now be viewed or downloaded from:

[https://archive.org/details/movies?&\[\]=hallicrafters](https://archive.org/details/movies?&[]=hallicrafters)

One place where historic WWII radio broadcasts can be heard again is:

<http://www.otrcat.com/reliving-world-war-ii-via-radio.html>

Of course, the ARRL is also an excellent source of the history of amateur radio.



### Say Again?

“Sorry, I don’t eat buffalo.”

*Jessica Simpson, entertainer, when offered a plate of buffalo wings (which are, of course, made of chicken).*

## Indianapolis Hamfest

July 11th, 2015

Marion County Fairgrounds

7300 E. Troy Ave.

Indianapolis, IN

Talk-in Frequency: 146.76(-)

Outdoor Flea Market

6 AM to 3 PM

Commercial Vendors & Indoor Flea Market

7 AM to 3 PM



Our  
43rd  
BIG  
YEAR

FORT WAYNE  
HAMFEST  
& Computer Expo

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

73,000 sq. ft. of indoor space - over 450 tables

International Ham Equipment Manufacturers

- Large Flea Market ⇔ Computer supplies •
- Forums and Meetings ⇔ VE Testing •
- New & Used Ham Dealers ⇔ Main and Hourly Prizes •

2015 Indiana A.R.R.L. State Convention

Hours: Saturday 9 - 4 EST  
Sunday 9 - 2 EST

No advance ticket sales

Admission: (at the door only)

Sat & Sun \$6.00 (good both days)

Sunday only \$3.00

11 and under free with adult

Coliseum parking: \$5.00 per vehicle

Talk-in: 146.880 (-)

Tables: \$25 for Flea Market (8 ft)  
\$50 for Premium (8 ft)  
\$30 for Electricity (110V 20A)

For info or table orders, write to us at:  
ACARTS / Fort Wayne Hamfest  
PO Box 10342  
Fort Wayne, IN 46851-0342

For recorded info or to leave us a message,  
you can call us at 260-579-2196

Get the latest info at

[www.fortwaynehamfest.com](http://www.fortwaynehamfest.com)

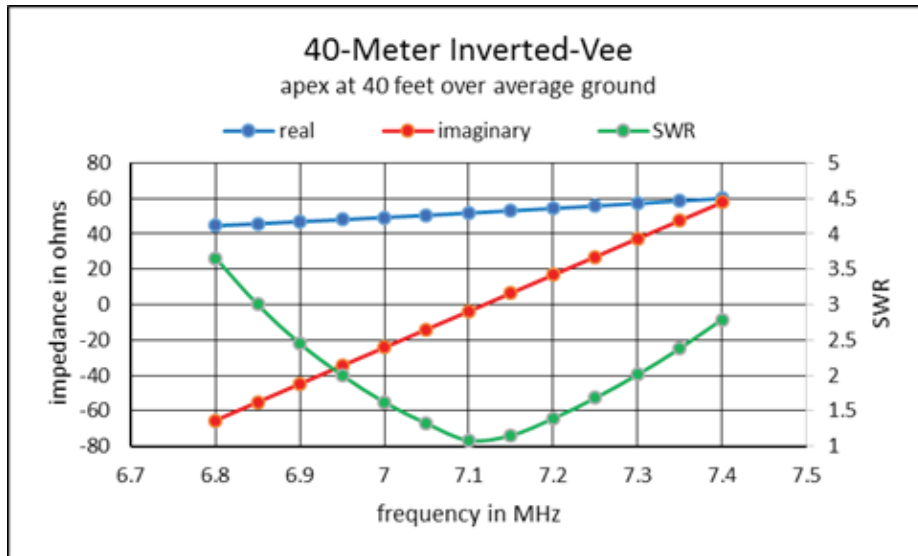
Sponsored by the:

ALLEN COUNTY AMATEUR RADIO TECHNICAL SOCIETY (ACARTS)



**Carl Luetzelschwab K9LA**

I've always been a big fan of resonant antennas. A "resonant" antenna is one that presents only a resistive component (zero imaginary component) at some frequency in the desired band. For example, if you put up a 40-Meter inverted-vee with its apex at 40 feet, the impedance versus frequency should look similar to that in Figure 1.



**Figure 1. 40-Meter Inverted Vee**

The SWR can be measured or it can be calculated from the simulated impedances, and the SWR is also shown in Figure 1. This antenna is resonant at 7110 KHz, as that is where the imaginary component is zero. The 2:1 SWR bandwidth is about 350 KHz. Thus this antenna will cover the entire 40-Meter band with an SWR of less than 2:1 – which should please most rigs with a solid-state power amplifier. If you operate both SSB and CW, you could shorten each side a couple inches to move the resonant point to the center of

# RESONANT VS NON-RESONANT ANTENNAS

the band (7150 KHz).

Covering the entire band without an antenna tuner is, in my opinion, the big advantage of a resonant antenna. You don't have to fiddle with an antenna tuner and don't have to worry about the power handling capability of the tuner. Putting up an antenna to cover the entire band can be done for all our HF bands except for 75-Meters/80-Meters and 160-Meters. These bands are too wide to be covered with a simple dipole or inverted-vee antenna, and lead to tricks such as I wrote about in the November 2013 FWDXA column.

Of course having a resonant antenna on all the HF bands could take up quite a bit of space – which is a big disadvantage (not to mention needing more coax and an antenna switch). That's one reason why I have a Tennadyne T6 log periodic dipole array – it covers five bands (20m,

160 thru 6-Meters in conjunction with an antenna tuner. He measured the SWR at the antenna, after the coax that gets to the house entry (70ft of RG-58), after an additional length of coax to get to the shack (20ft of RG-58) and after another additional length of coax to allow the tuner to adequately tune on the lower frequencies (40ft of RG-58). Table 1 summarizes his results on 10-Meters.

Yes, the SWR at the rig on 10-Meters is reasonable – 1.4:1. In fact an antenna tuner is probably not needed on 10-Meters. The SWR is low at the rig because there is a good amount of loss in between the antenna and the rig (5.5 dB total), and that loss reduces the SWR from 4.2:1 to 1.4:1. The cable loss for 130ft of RG-58 under matched conditions is about 3.9 dB, and the additional 1.6 dB loss is due to the SWR on the coax (see the ARRL Antenna Book for a more detailed discussion of this issue).

So if Mike gets on 10-Meters with this set-up, he's losing about an S-unit in both transmit and receive. In my opinion, that is not acceptable, and is why I advocate resonant antennas on each band (along with RG-8 coax). I should point out that the loss decreases as the frequency is lowered, so this entire issue is pretty much tied to the higher frequencies. One alternative solution would be to put a remote antenna tuner at the antenna (it would have to handle high power if you have an amplifier and it would have to tune a wide range of impedances) and run RG-8 coax to the rig.

In summary, you have to decide what's acceptable to you.

Perhaps the convenience of one antenna plus an antenna tuner at the rig outweighs the extra loss. I guess this all depends on your goals in Amateur Radio.



17m, 15m, 12m and 10m) with gain without the need for an antenna tuner.

So why not have one antenna and use it on all bands with an antenna tuner? The issue in doing this is loss. For example, Mike WB9NOO took SWR measurements on his wire antenna that he can use on

Frequency	SWR at antenna	SWR after 130 ft of coax	Total loss	Cable loss	Loss due to SWR
28.0 MHz	4.2:1	1.4:1	5.5 dB	3.9 dB	1.6 dB

**Table 1. Summary of 10-Meter Analysis**



# HAM NATION APPROACHES ITS 200TH SHOW

Ham Nation's 200th show will be recorded Wednesday, June 10 at 9:00pm ET. Special activities are planned plus advice on getting ready for the ARRL Field Day. You can catch it at <http://twit.tv/show/ham-nation> along with past shows. It is also available on youtube.com and as a podcast.

Each week Bob Heil, Gordon West, George Thomas, Don Wilbanks, Cheryl Lasik, and others cover the excitement and importance of ham radio - from tossing an antenna wire in a tree allowing you to talk to the world, to the importance of ham radio operators in time of disasters. If you have videos, send them to [hamnationvideos@twit.tv](mailto:hamnationvideos@twit.tv). They record live every Wednesday at 9:00pm ET. Edited shows are posted on their web page a couple of days later.

Questions and comments from viewers are made part of the show as well. Viewers can also submit their own videos for consideration. HF nets are held afterwards to discuss the topics of the show.

Recent shows include:

## May 27, 2015 - #198: The Ultimate Builder: Clark WOBT

Bob Heil visits the ultimate builder.

## May 20, 2015 - #197: We Survived Dayton!

Gordon West, George Thomas and the Ham Nation Crew talk of their adventures at Dayton Hamvention.

## May 13, 2015 - #196: A Sneak Peek at Dayton

Live from Contest University

## May 6, 2015 - #195: Duck and Cover!

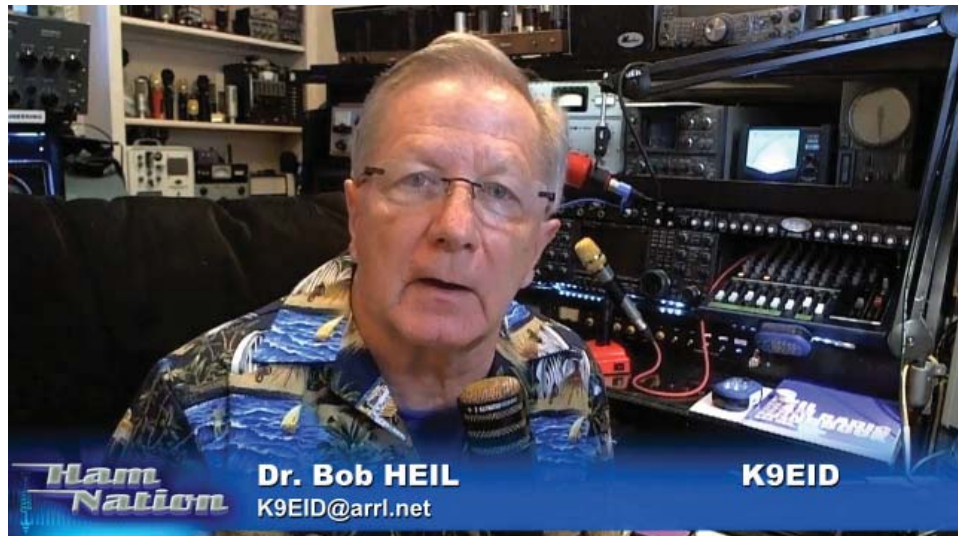
Mike Ferreira(WT6H) stops by to talk about a Ham Nation special event!

## April 29, 2015 - #194: Meet the Twin Hams!

Bob Heil is back from NAB!

## April 22, 2015 - #193: The Usual Suspects

The Ham Nation crew celebrates Earth Day!



# THE FOXHUNT CHRONICLES

**Note, the date of the June foxhunt is in flux. Be sure to read this issue of the chronicles in its entirety for details.**

This month's hunt, which occurred on the third of May, was held on a gorgeous Sunday afternoon in shirt-sleeve weather. The hunters included the team of Linda & Steve Nardin, K9's LAN & SAN and their grandson Alex, the team of Jim & Annie Pliett, K9OMA & KA9YYI plus Carole & Al Burke, WB9's RUS & SSE, the team of Jim & Kim Machamer, KB9's DOS & DOT, and the team of Jason Eicholtz, KC9UOQ & Debbie Romine, KK4QXC.

The duties of the fox were provided by Charles Ward, KC9MUT, Fred Gengnagle, KC9EZP, and Robert Dean, KC9UHU. They chose a shady location in Guildin Park along the south bank of the St. Mary's river northeast of the Van Buren St. Bridge to hide the microfox. It was cleverly emplaced and camouflaged in a tree branch about 6' off the deck. They employed three high power foxes located around the hide area, including one, in Fred's truck, parked between two semi-trailers with the evil intent of creating a quasi waveguide aimed towards downtown Ft. Wayne. As usual, the microfox would transmit a cw signal at about 50 milliwatts for one minute followed by the high power fox who would transmit for one minute, this sequence repeated every five minutes.



The hunters were stationed at Cobin Memorial Park when the fox started squawking at 13:30 hours. At first Robert had some difficulty with his equipment such that we heard no modulation on the fox signal, just carrier, when he functioned as the high power fox. But when Charles or Fred operated as the high power fox, we heard their taunting, but melodic voices just fine and took DF bearings on their signals. Shortly after they started transmitting the stampede was on in earnest!

We wound up traveling down Lake Ave. and into the downtown area following our DF readings, and eventually found out way to Bloomingdale Park on the north side (yes, that is the wrong side) of the St. Mary's river. Anyway, we dismounted and walked the St. Mary's Pathway far enough to determine that the fox was on the other side of the river. Hence we exclaimed "Oh phooey!!" (sort of) because we had to double back, cross the Van Buren St. Bridge and then find our way into Guildin Park. By that time, and before our arrival, the other foxhunter teams had localized the fox and were tromping around the area on foot searching for the elusive microfox.

But as things evolved Jim, K9OMA, was the first hunter to find the microfox, about 93 minutes into the hunt. He was followed by Jason & Debbie at about 95 minutes, then by Steve, Linda and Alex at 96 minutes, and finally by Jim and Kim at 103 minutes.

So the Pliett / Burke team were the winners based upon time-to-find and will serve as the fox for the June hunt which

was scheduled to occur on Sunday, 7 June, but now looks like it will be moved to one week later, on 14 June. (A final decision on the date will be made by Friday, 5 June, **and will be posted on the [fwrc.info](#) web page by that date**). Whichever date the hunt occurs on, the fox will emanate on 147.855 MHz, and the foxhunt intercom will utilize the 146.76 machine.

Following the hunt everyone proceeded to the Dairy Queen on Sherman and West State and consumed mass quantities. Mmmmm-good!! (Some claim this is the best part of a fox hunt). Maybe yes, maybe no...but, **YOU** should have been there. It's easy, it's fun and we always have ride-along space in our vehicles for those interested in experiencing the sport from the hunter's point of view. Or, if you contact the upcoming fox team (Pliett/Burke for the June hunt) ahead of time, you can become part of the wily fox and experience the hunt from its vantage point. Either way is fun.

Given the time-to-find numbers mentioned above, the following points earned for this hunt, and for the year-to-date are:

CALL	MAY SCORE	YEAR-TO-DATE
K9OMA	5 (first to find)	18.66
KA9YYI	4	16.66
WB9RUS	4	16.66
WB9SSE	4	16.66
W9SAN	2	7
W9LAN	2	7
ALEX	2	4
KB9DOS	1	3
KB9DOT	1	3
KC9MUT	7.75 (Fox)	21.75
KC9UHU	7.75 (Fox)	21.75
KC9EZP	7.75 (Fox)	10.75
KC9UOQ	3	5
KK4QXC	3	3

Respectively submitted,  
Al Burke, WB9SSE

## 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:

June - To Be Announced  
July 12  
August 2  
September 13  
October 4  
November 1



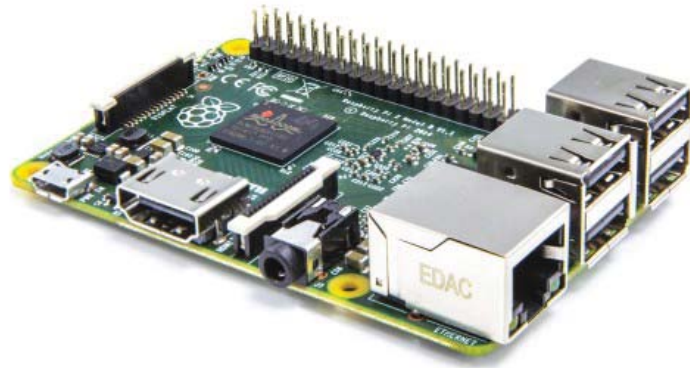
## HAM BYTES: THE RASPBERRY PI 2 IS NOW AVAILABLE AND WILL RUN WINDOWS 10

A new version of the Raspberry Pi is now available. Often abbreviated RPi 2, it is the newest generation of the RPi. It was developed to provide an inexpensive tool to help teach the fundamentals of computers and programming. Compared to the RPi 1B, the RPi 2:

- Has a faster 900MHz quad-core ARM Cortex-A7 CPU giving it about six times the performance of the previous RPi 1B
- 1GB of LPDDR2 SDRAM memory giving it twice as much memory as the RPi 1B
- It is compatible RPi 1B's software and external hardware
- With the ARMv7 processor, it can run the full range of the ARM GNU/Linux operating system distributions, including Snappy Ubuntu Core
- It will also run a free version of Microsoft Windows 10 that will be available this fall
- The Raspberry Pi 2 is currently for sale on Amazon.com for \$47.55 with the RPi 1B now available for \$34

If you are not familiar with the Raspberry Pi, it is a low cost, credit-card sized, bare-bones computer that works with a PC monitor or TV and uses a standard PC keyboard and mouse. It is a capable little device that enables people of all ages to explore computing and to learn how to program in languages like Scratch and Python. It's capable of doing everything you'd expect a desktop computer to do, from browsing the internet and playing high-definition video, to making spreadsheets, word-processing, and playing games. It is one of the micro computers that hobbyist are putting to a variety of uses.

The Raspberry Pi 1B ran a version of Linux called "Raspbian." They both use an SD or SDHC card in place of a hard disc to hold the operating system and applications. They both have a standard ethernet connector but can also be used with a USB wireless network adapter. They need an external USB power supply capable of providing 1 A of current. Both have an HDMI video connector. The RPi 1B has separate composite video output and audio output connectors. With the RPi 2, those functions have been com-



The New Raspberry Pi 2

combined onto a single connector. The RPi 1B version has two USB connectors, the new RPi 2 has four. They have a 40-pin internal header that provides input/output connections for a variety of external devices. The RPi 2 has a separate connector for use with a 5-MP camera.

Hobbyist have embraced the RPi along with similar products from Arduino and BeagleBone. Some of the applications that have become popular include:

- Network interface for an entertainment system
- Robotics system CPU
- Weather station
- Controller and video interface for a flying drone
- Dedicated video game machine
- Cloud Server
- Home Security System

One common applications in ham radio is setting up a D-STAR access point by using it with an Internet Labs DV Access Point Dongle. The instructions and files needed are available for free on the internet. The photo below is one of them. At least one individual has combined an RPi, an HT, a 12-volt battery, and interface circuitry along with the Echolink software to make a portable Echolink node.

A few links for those who want to know more:

<https://www.raspberrypi.org/>

[http://en.wikipedia.org/wiki/Raspberry\\_Pi](http://en.wikipedia.org/wiki/Raspberry_Pi)

<https://www.raspbian.org/>

<https://www.raspberrypi.org/magpi/>

<https://dev.windows.com/en-us/iot>

<http://www.g0hwc.com/raspberry-pi-ham-radio.html>

Ken AB9ZD



A Raspberry Pi 1B Connected to an Internet Labs DV Access Point Dongle (left) to Form a D-STAR Access Point. Also Seen Here Are the Micro WIFI USB Adapter (in the left side of the RPi), SDHC Card (in the right side) and the USB Power Supply.

# 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="http://wiki.contesting.com">http://wiki.contesting.com</a>
DX Zone Contesting	<a href="http://www.dxzone.com/catalog/Contesting/">www.dxzone.com/catalog/Contesting/</a>	Radio-Sport.Net	<a href="http://www.radio-sport.net/">www.radio-sport.net/</a>

ARS SPARTAN SPRINT			ALABAMA QSO PARTY			ARRL JUNE VHF CONTEST					
JUNE 2, 0100Z		JUNE 2, 0300Z		JUNE 6, 1600Z		JUNE 7, 0400Z		JUNE 13, 1800Z		JUNE 15, 0259Z	
3.5-28	-	CW		1.8-28	-	PHONE, CW		-	50+	PHONE, CW, DIGITAL	
RST, STATE/PROVINCE/COUNTRY, POWER				RS(T) AND AL COUNTY OR S/P/C				4-CHARACTER GRID SQUARE			
<a href="http://www.arsqrp.blogspot.com/">www.arsqrp.blogspot.com/</a>				<a href="http://www.alabamagsoparty.org/">www.alabamagsoparty.org/</a>				<a href="http://www.arrl.org/june-vhf">www.arrl.org/june-vhf</a>			
SMIRK CONTEST			ASIA-PACIFIC SPRINT, SSB			ALL ASIAN DX CONTEST, CW					
JUNE 20, 0000Z		JUNE 21, 2400Z		JUNE 13, 1100Z		JUNE 13, 1300Z		JUNE 20, 0000Z		JUNE 21, 2400Z	
-	50	PHONE, CW		3.5, 21	-	PHONE		1.8-28	-	CW	
SMIRK No. (OPTIONAL), GRID SQUARE				RS + SERIAL No.				RST + 2-DIGIT AGE			
<a href="http://www.smirk.org/contest.html">www.smirk.org/contest.html</a>				<a href="http://jsfc.org/apsprint/aprule.txt">http://jsfc.org/apsprint/aprule.txt</a>				<a href="http://www.jarl.org/English">www.jarl.org/English</a>			
ARRL KIDS DAY			WEST VIRGINIA QSO PARTY			ARRL FIELD DAY					
JUNE 21, 1800Z		JUNE 21, 2359Z		JUNE 20, 1200Z		JUNE 21, 2400Z		JUNE 27, 1800Z		JUNE 28, 2100Z	
3.5-28	-	PHONE		3.5-28	-	PHONE, CW, DIGITAL		1.8-28	50+	PHONE, CW, DIGITAL	
NAME, AGE, LOCATION AND FAVORITE COLOR				RS(T) AND WV COUNTY OR S/P/C				SEE WEB PAGE			
<a href="http://www.arrl.org/kids-day">www.arrl.org/kids-day</a>				<a href="http://www.qsl.net/wvsarc/wvqp/">www.qsl.net/wvsarc/wvqp/</a>				<a href="http://www.arrl.org/field-day">www.arrl.org/field-day</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.

2015 ARRL FIELD DAY

# HAM RADIO)))

ARRL Field Day is June 27-28, 2015

Shop official shirts, hats, pins, mugs and more!

For Field Day forms, rules, bands, and more, visit [www.arrl.org/FieldDay](http://www.arrl.org/FieldDay)

The national association for AMATEUR RADIO®



# 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

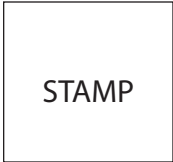
Please attach a check (number \_\_\_\_\_) for the appropriate amount and bring to a club meeting or mail to:

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!

ACARTS AND FWRC REPEATERS		
W9INX		ACARTS
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
W9TE		FWRC
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		

AREA NETS					
Daily			Tuesday		
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	Wednesday		
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)
Week Days			9:00 PM	146.940-	Help and Swap Net
8:30 AM	3.820	Little Red Barn Net	Thursday		
Sunday			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)	Saturday		
			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/inhfnet.html">http://www.inarrl.org/inhfnet.html</a>					



To:

## Activities Calendar



Date	Time	Event	Place
06/??/2015	1:30 PM	Foxhunt - Check the FWRC web page for the date	
06/09/2015	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
06/09/2015	7:00 PM	FWRC Board Meeting	GSUMC
06/16/2015	7:00 PM	ACARTS General Meeting	Salvation Army Facility
06/19/2015	7:00 PM	FWRC General Meeting	GSUMC
06/27/2015 - 06/28/2015		ARRL Field Day	
07/09/2015	7:00 PM	FWRC Board Meeting	GSUMC
07/12/2015	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
07/19/2015	7:00 PM	FWRC General Meeting	Salvation Army Facility
		(No ACARTS meetings in July)	
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