



Allen County HamNews

September 2016
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Issue 9

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

SKYWARN STORM SPOTTERS MAKE BIG DIFFERENCE IN AUGUST 24 TORNADO OUTBREAK

By Jay Farlow, W9LW, quadrant director, IMO SKYWARN

The northern Indiana National Weather Service forecast office (IWX) issued an office-record 26 tornado warnings Aug. 24. One of those warnings alerted Allen County residents to the most intense tornado the county has seen since 1968; a twister that initially touched down roughly one fourth of a mile northeast of the intersection of Doty Road and Roberts Road, according to the IWX report. That storm continued northeast until it lifted 5.26 miles away, southeast of the intersection of Antwerp Road and Killian Road. At one point, the tornado was 500 yards wide. It contained winds as strong as 160 mph, which enabled it to do EF-3 damage on the enhanced Fujita scale.

IWX issued a tornado warning for this storm at 5:14 p.m. EDT. IMO SKYWARN immediately instituted a directed net on the Allen County Amateur Radio Technical Society 146.88 MHz repeater, asking all stations to remain off the air, except for spotter reports that met NWS criteria.

At 5:23, W9SAN checked into the net to confirm the presence of a wall cloud in the vicinity of I-469 at State Road 37. At approximately 5:27, the tornado first touched down, according to the IWX report. At 5:29, KC9CGN confirmed a tornado near the intersection of Doty Rd. and Ricker Rd. At 5:36 KA9IPA confirmed a tornado north of Woodburn. At approximately 5:39, the tornado lifted, according to the IWX report.

Net members then made critical damage reports that helped IWX make downstream warning decisions. At 5:40, KA9IPA reported several buildings down at the intersection of Doehrman Road and Roemke Road. At 5:55, KB9WWM reported several buildings damaged, small limbs down and one tree "decapitated" at the intersection of Notestine Road and State Road 101.



The Allen County tornado damaged this home near the intersection of Doehrman and Ehle roads. (NWS photo)

At 5:56, WD8JVV in Defiance County, Ohio relayed a trained spotter report of tornado near the intersection of Defiance County Roads 220 and 53. At around that time, the net control station requested Allen County stations to hold additional damage reports.

The SKYWARN net on the Fort Wayne repeater is designed to facilitate the relay of reports from 11 counties that make up the southeastern fourth of the IWX coverage area. It quickly became clear that the Allen County tornado would not be the last of the day. The net subsequently received reports of a funnel cloud in Adams County (KB9NKM and KC9MUT) and a tornado in Van

Continued on Page 7

Also this month

FWRC Tailgate Hamfest	3	Contests / Classified Ads.....	10
The Foxhunt Chronicles	8	Membership Application.....	11
Indiana Parks on the Air	9	Local Nets / Repeaters	11
D-STAR QSO Party	9	Activities Calendar	12

Internet Home Pages

Fort Wayne Radio Club:	http://www.FWRC.info/
	http://groups.yahoo.com/group/FWRC/
ACARTS:	http://www.acarts.com
Fort Wayne DX Association:	http://www.qsl.net/fwdxa/
ARES:	http://groups.yahoo.com/group/Allen_Co_IN_ARES/
IN_PACKET Yahoo Group:	http://groups.yahoo.com/group/IN_PACKET/

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 a few days before the end of the preceding month.

Hamsplatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

THE PRESIDENT'S CORNER

Wow! It's hard to believe that it is already September, with autumn just around the corner. That being said, we can only hope that the weather is not as wild as August was. I do want to say, many of us, as radio operators and storm spotters, did an excellent job of covering the multiple tornado's that affect the region on August 24th. Well done to all!

One of the things that we have in the area is the opportunity to practice our operating skills, both in directed nets, and simple round table discussions. I have heard several round table discussions during the week, and they all seem to flow very well. However, there are only a few chances to practice operating in a directed net environment. Most of those are what we call public service events, and are usually walks for a cause. I bring this up because as we move into fall, there are plenty of opportunities to participate in a directed net environment, allowing everyone to become more comfortable operating under those conditions, in a manner that is less stressful. One of the biggest in terms of operators needed is the Fort 4 Fitness event that will be held on the 1st of October. Keep the date in mind, and come help out, have fun, and practice a useful skill all at the same time. Stay tuned for more info on this and other events.

Another event to keep on your calendar is our effort to help get Indiana on the air for the Bicentennial celebration. We will be operating during the Johnny Appleseed Festival as a way to commemorate how his actions help shape our region, and helped enrich the history of Indiana. As of now, there are firm plans for two stations, with room for more if warranted. The plan is to operate from the area of



IPFW, and final details will be forthcoming with set up times, operating times, and location.

Just to remind everyone, the monthly foxhunt has been moved to September the 11th due to the Labor Day weekend. All are welcome to participate, either from home with signal strength or bearing information, or as a ride along with one of the fox hunters. This is also the weekend of the Fort Wayne Air Show, so this promises to be a busy and exciting weekend for many of us.

Finally, I am still looking for a good presentation or two to fill in the rest of the year's general meetings. If you have something that you would like to present, or if there is a topic that I could research and present, please feel free to let either a member of the board, or myself know.

Charles Ward, KC9MUT

Amateur Radio License Exam Session

Sponsor: Wells County Radio Club

Date: Sep 10 2016

Time: 9:00 AM (Walk-ins allowed)

Contact: Rick Allen. Velasquez

Email: ab9hp@yahoo.com

Location: Annex Building

223 W Washington St
Bluffton IN 46714-1996



September 16: To Be Announced.

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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 2016 TAILGATE HAMFEST

Photos provided by Al Burke, WB9SSE

Check the FWRC web pages for more information and photos.



State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

ACARTS PRESIDENT'S MESSAGE

The Fort Wayne Hamfest is just a little over two months away. All the behind work that has been going on since last year's Hamfest has been coming together to make another super event. The Hamfest dates this year fall on the earliest of the Coliseum rental schedule, so the dates are November 12th and 13th. Now is the time to make sure the dates are on your calendar and get your table reservations in if you are planning on having a table, think about what days and times you can work at the Hamfest, or just plan on attending and having fun.

Larry Soughan, WB3ELM, has been cleaning house and has shipped ACARTS a lot of his no longer used equipment. Larry, one of the founders of ACARTS and lives in Arizona, called about three years ago and said that he was establishing a trust and wanted to know if ACARTS would be interested in his ham radio equipment. The board at that time agreed the ACARTS could find good uses for it. At the beginning of August, the club received a Kenwood TS-430s transceiver with a desk microphone and matching power supply, an MAJ antenna tuner, an ICOM T90A handheld, all with several accessories. Last week, another shipment arrived that included a Kenwood TS-200 with a desk microphone and matching power supply. Other accessories were also included. Many, many thanks to Larry for his generosity. I'm sure that ACARTS



will find good uses for the items that he sent.

The program for the September meeting on the 20th will be a presentation by Jim, KB9IH, on the design of a MagLoop (<1 wavelength Magnetic Loop Antenna.) Jim is in the process of constructing one and if it is finished by the meeting he will demonstrate it. Plan on attending this interesting presentation.

73,

Dave Lindquist, W9LKH

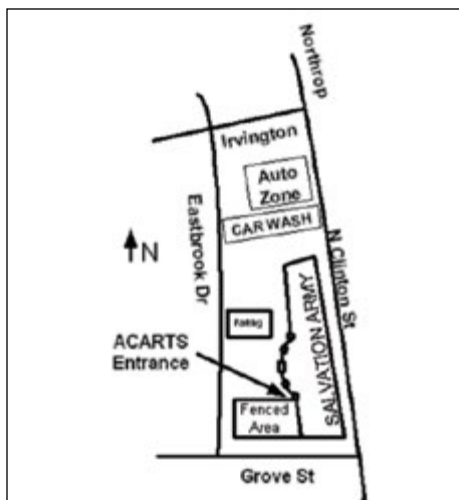
President

For the latest information on the Fort Wayne Hamfest and Computer Expo, go to:

www.fortwaynehamfest.com/hfmain.htm

Download latest the flier for the 2016 Fort Wayne Hamfest & Computer Expo at:

www.fortwaynehamfest.com/images/2016%20FLYER%20I.pdf



September 20: Jim, KB9IH, will have a presentation on the design of a MagLoop, a less than one wavelength diameter Magnetic Loop Antenna.

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

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FORT WAYNE HAMFEST

& Computer Expo

44th Year



Allen County War
Memorial Coliseum
4000 Parnell Ave

Fort Wayne, IN

73,000 sq. ft. all indoors
(Coliseum Parking \$5 per vehicle)

Admission: \$6 Sat & Sun

\$3 Sun only

Children under 12 free (with adult)

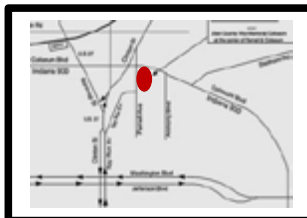


- 2016 ARRL IN State Convention
- WAS & DXCC Checking
- New & Used Ham Dealers
- Main & Hourly Prizes
- Equipment Check-out table
- Talk-in 146.880-
- Forums Sat only (see the website)
- Tables: \$25 Regular (8ft)
\$50 Premium (8ft)
\$30 Electricity

Ham Radio License Testing (\$14)

9 AM till 12 PM Saturday

NOV
12&13
2016
SAT 9 AM to 4 PM
SUN 9 AM to 2 PM



Get the latest information at

www.fortwaynehamfest.com



Carl Luetzelschwab K9LA

When you hear the word “multi-band antenna”, you might think of trapped verticals and trapped tri-banders that usually work on the three higher bands – 20-Meters, 15-Meters and 10-Meters. My first commercial antenna was a Cushcraft A3 after I moved to Texas in 1979 with Motorola. Eventually I put the 40-Meter kit on it for operation on four bands.

During our move back north in 1988, I sold the A3 and ended up with a Mosley TA-33 tri-bander at the QTH here in Fort Wayne. But soon I desired to get on the 17-Meter and 12-Meter WARC bands with more than using an antenna tuner with the TA-33. I did some research on antennas that would cover 20, 17, 15, 12 and 10-Meters, and discovered that a Texas company called Tennadyne offered log periodic dipole arrays (LPDAs) that covered 14-30 MHz. Based on what my 72-foot self-supporting aluminum tower would support, in 1995 I bought the Tennadyne T6. It had six elements on a 12-foot boom. I’ve been happy with it ever since. As a side note, Tennadyne changed hands and is now headquartered in Michigan.

Recently Jim KR9U put up a Tennadyne T8 on his little tower to replace his TH-6 tri-bander. The T8 has eight elements on an 18-foot boom. See the accompanying photo of the T8 at Jim’s QTH – the photo was taken from Jim’s big tower – you can see the coax balun on the feed end of the boom and the shorted stub on the other end of the boom. Jim measured the SWR of the T8, and it’s plotted in the accompanying graph. Also included on this plot is the modeled SWR.

MULTI-BAND ANTENNAS

Modeling an LPDA can be tricky, and the difficulty is tied to the feed system. An LPDA can be fed in either one of two ways. One way is to use two close-spaced booms, with each half-element alternately attached to different booms (this is the way Tennadyne does their LPDAs). The other way is to use one boom (which is only used to support the elements) and transpose the feedline between each element.

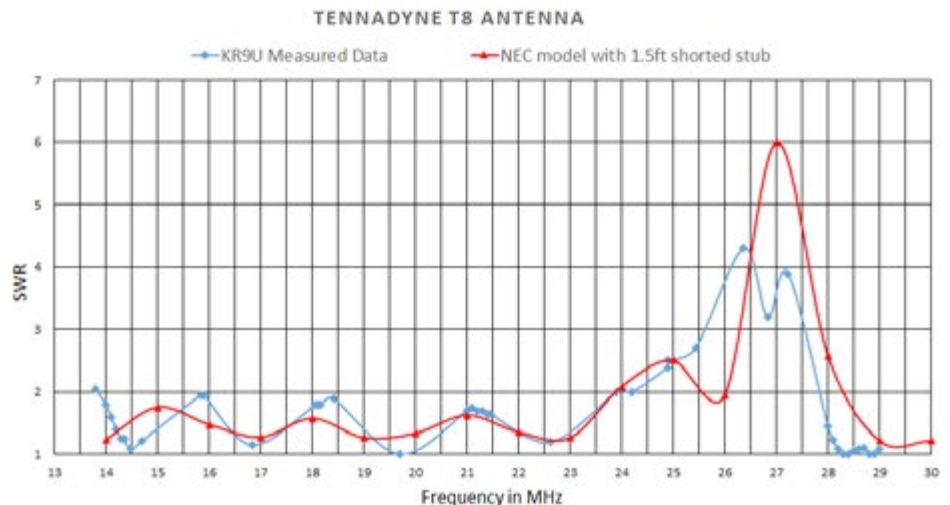
As can be seen in the plot, starting at 14 MHz the SWR is cyclic in nature – as it should be for a log periodic structure. But up around 25.5 – 27.5 MHz, the SWR goes rather high. The model kind of agrees with this trend, but with an even higher SWR. Regardless of this anomaly around 25.5 – 27.5 MHz, the T8 has decent SWR in the five amateur bands.

I believe the cause of the high SWR from 25.5 – 27.5 MHz is due to this antenna covering an octave (2:1 frequency ratio). My smaller T6 exhibited this same issue, and it was cured by adding a 3-foot long shorted stub on the non-feed end of the antenna (the end with the longest element). The T8 has a shorted stub, but it’s only just over 1 foot long. The model suggests that a longer stub would somewhat reduce the SWR from 25.5 – 27.5 MHz. I’m pretty sure the specific problem is the fact that the longest element is two half-waves at the higher frequencies, and it has current in it that screws up SWR, F/B and gain at the higher frequencies. I think playing with the model could define a complete solution. But right now, with no changes, it works in the five ham bands – so if it ain’t broke, don’t fix it.



T8 at KR9U QTH

Modeling two booms can be tricky as NEC (Numerical Electromagnetics Code) has a problem with large-diameter close-spaced conductors. It also has a problem with conductors of greatly different diameters that are joined at right angles (the boom and an element). So the easiest way to model an LPDA in NEC is with transposed feedlines – which can be done by using a transmission line sub-routine in the antenna geometry.



T8 SWR plots

SKYWARN Storm Spotters - Continued from Page 1

Wert County (KB9NKM).

IWX issued a new tornado warning for southwestern Allen County at 7:38 p.m. Two minutes later, KB9WWM reported a possible wall cloud approximately three miles west of Yoder. AT 8 p.m., IMO SKYWARN discontinued the directed net, due to the expiration of the 7:38 p.m. tornado warning and the fact that no other warnings remained in effect nearby. At that time, the net control station invited check-ins from all stations that had stood by but had nothing appropriate to report during the directed net. A total of 33 stations checked in at that point, [all of which are listed in an article on the FWRC website.](#)

The final IWX report confirmed 14 tornadoes in the office's coverage area; four in Indiana and 10 in Ohio. That count included the Allen County storm mentioned above, one tornado each in Wells and Adams Counties and one in Miami County. In our quadrant's Ohio counties, IWX confirmed four tornados in Van Wert County, two in Putnam County and one in Paulding County. Defiance County is part of another quadrant, but the net was happy to relay that county's reports. IWX confirmed two tornadoes in Defiance County.

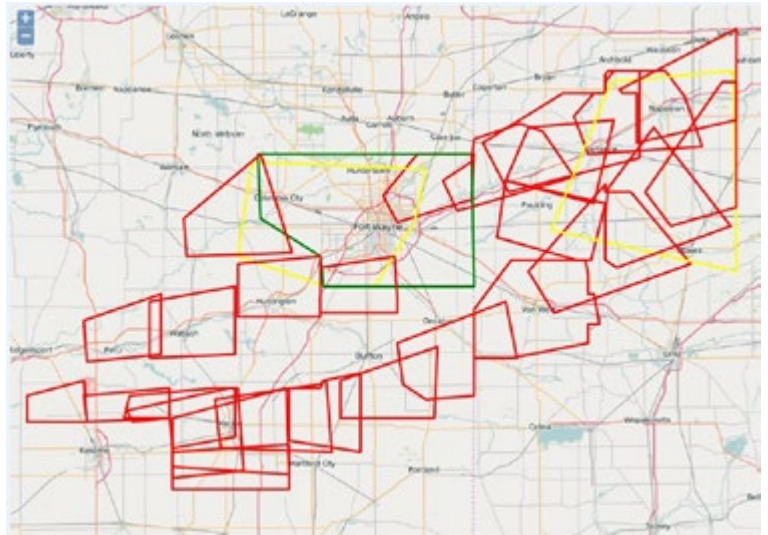
Despite the size of the outbreak and the intensity of some of the storms, no one died in the IWX coverage area and the office is aware of only one minor injury. "Communication between emergency managers, trained spotters, media personnel, the public, and the National Weather Service was crucial to preventing the loss of life," the IWX report reads.

In an email to Allen County HamNews, IWX warning coordination meteorologist Michael Lewis takes that thought further, with this message to spotters:

"NWS forecasters know the radar, see the radar and remotely interrogate storms. We have a keen knowledge of the atmosphere. We do not have the ability to see what you see. Your reports (including null reports!) are invaluable and a critical part of the effective warning process. The NWS ability to warn was made even more effective because of your reports. Were it not for the dedicated spotters who took time to send reports and shelter when necessary, our mission would have been hampered. Thank you for your support and dedication to being a SKYWARN spotter."

Lewis also wanted to remind all readers that SKYWARN storm spotter training is always available online. He recommended the following resources:

- COMET MetED online Spotter Training course: https://www.meted.ucar.edu/training_course.php?id=23.
- COMET MetED online Weather Radar Fundamentals class: https://www.meted.ucar.edu/training_module.php?id=960.



The Northern Indiana NWS office issued an office-record 26 tornado warnings Aug. 24, indicated by the red polygons on this map.



A depiction of the path of the Allen County tornado. The dark gold triangles indicate locations of damage consistent with the EF-3 rating on the enhanced Fujita scale.

- COMET MetED online Anticipating Hazardous Weather and Community Risk class: https://www.meted.ucar.edu/training_module.php?id=28.
- IWX online spotter training web page: http://www.weather.gov/iwx/online_spotter_training.

August 24 was the kind of day for which we've trained for years and hoped (and perhaps believed) would never come. The training spotters have received and the experience operators have gained on smaller storms was evident in the way they handled themselves during the SKYWARN net. I congratulate all the operators who were involved in the operation, including the seven who made reports and the 33 who stood by.

THE FOXHUNT CHRONICLES

Aug 7th felt like a good day to be diabolical. Well, actually any day feels like a good day to be diabolical when you're trying to frustrate fox hunters with what looks like an easy hunt.

We had a good crowd this time around:

Alex, Steve, and Linda

Jim and Kim

Charles and Fred

Al, Jim, Carole, and Ann

First off, we were downtown. Normally not a difficult place to locate a transmitter, however I was using a beam facing SSW, while the starting location was NE of our location. This may have gotten one of the teams for a bit as I saw a team or two (not naming names) drive west and keep on going.

The diabolical part actually started in July before that Fox Hunt took place. I already had a place in mind; I was waiting for a chance to use such a place. Sunday Deborah and I won the July Fox Hunt, Monday I was on the phone with Josette Jordan, the event director for the Allen County Public Library. I set up a meeting with her, and met her at the library to tell her who we are and why we wanted to invade the library. She thought it sounded fun, and gave her blessing.

I had toyed with the idea of hiding the transmitter behind the books pertaining to Ham Radio, but I thought it'd be too difficult to find (though Steve was insistent it was there). Instead, I opted to put it against an outside wall so the hunters could more likely get a signal from outside of the library.

I parked in the library's parking lot. I figured members of the Fort Wayne Radio Club would have all had their free public library cards, and could have parked in there too, but apparently none of the hunters visit the library. Charles and Fred were the first to find my vehicle, and Fred jumped out while Charles found a place to park. Both of them spent a long time trying to isolate the microfox near my truck. I calmly told them that fox hunting is practice for real life search and rescue, and you never know where a person may be in distress.



(Book image from Amazon.com)

Therefore, where the micro is hiding, the spot is at least large enough for a human (that comment got them out of the shrubbery).

I watched them wander over to the side of the library that the micro was on, but they debated good and hard about entering the library. After I lost eye contact with them, I decided to setup my high power fox for cross band repeat and I moved under a tree nearer the library entrance so I could watch other Hams make their way to the door (and subsequently question whether they should go inside or not).

Once inside, most of the teams quickly located Deborah, who was within eyesight of the micro on the second floor, but was standing near the rows of books (the micro was hidden in a conference room behind the TV against the wall). Apparently the reflections in the library were making it very difficult to isolate the signal, as nearly everyone was hunting behind Deborah in the books – the opposite direction of the micro itself!

Eventually the micro was found by Alex, and subsequently found by the other hunters in relatively short order.

This was a great hunt from my perspective. No one was expecting it to be inside of the library (which is a public place, as the rules state), and was one of the longest hunts I had been on since I've been hunting with the club.

Here's to next month's hunt.

CALL	MONTH SCORE	YEAR-TO-DATE
W9SAN	4	27.55
W9LAN	4	28.55
ALEX	5	14.8
KC9UOQ	7.25	38.6
KK4QXC	7.25	31.6
KC9MUT	1	19.67
KC9EZP	1	14.67
AB9IZ	-	6
K9DNU	-	5
KC9UHU	-	12.67
K9OMA	2	21.5
KA9YYI	2	20.5
WB9SSE	2	20.5
WB9RUS	2	20.5
KB9DOS	3	11
KB9DOT	3	11
KD9FNM	-	2
Kylie	-	3
KD9GDY	-	1
KD9GDX	-	1

Next month, the fox is on 146.160 MHz, intercom 146.910 MHz.

73,

Jason Eicholtz, KC9UOQ

2016 FOXHUNT SCHEDULE

The following is the planned Foxhunt schedule for 2016. All foxhunts start at 1:30 PM on Sunday at the River Greenway Trailhead at Cobin Memorial Park near Lakeside Golf Course.

September 11
October 2
November 6

INDIANA PARKS ON THE AIR - SEPTEMBER 10, 2016

The Indiana Parks on the Air (INPOTA) is an awards program for radio amateurs and shortwave listeners that encourages portable operation in Indiana State Parks.

INPOTA has been carefully designed to make participation possible for everyone. The program will accept operation from base, portable, or mobile stations. The program provides for participation by activators who make QSOs from the parks, and chasers who make contact with the activators and short wave listeners.



The Program is open to all radio amateurs, worldwide. There are no restrictions on who may activate a park, although most activators will live in the general area. Chasers and short wave listeners may be in any state or country.

For more information and the rules:

<http://inpota.com/>

Ohio State Parks on the Air will be held on the same day. For more info:

<http://www.ospota.org>

JAMBOREE ON THE AIR (JOTA) STATIONS ENCOURAGED TO REGISTER AND FILE POST-EVENT REPORTS

Scouting's Jamboree on the Air (JOTA) officials are asking JOTA 2016 participants not only to register for this year's event, but to follow up with a post-JOTA report. As an incentive, **all stations filing reports will automatically be entered to win an Icom ID-51A hand-held transceiver.** The 59th annual JOTA takes place October 14-16.

"Last year we had 400 stations register but only 200 stations file a report," said JOTA Coordinator Jim Wilson, K5ND. "We're going to improve that this year. Icom America and Ray Novak, N9JA, have stepped up to help us with a considerable incentive."

More info at:

<http://www.arrl.org/news/jamboree-on-the-air-jota-stations-encouraged-to-register-and-file-post-event-reports>



D-STAR 2016 QSO PARTY - SEPTEMBER 23 TO 25

Participants will have a chance of winning a new Icom ID-51A/E PLUS2! For more information and the rules:

<https://www.icom.co.jp/world/dqp/>

The Icom ID-51A PLUS 2 is the third generation of this successful D-Star HT. It has all of the features of the original ID-51A and ID-51A Plus and adds two new D-STAR modes of operation: Terminal Mode and Access Point Mode.

The new Terminal mode and Access



point mode enable you to make D-STAR calls through the Internet, even from areas where no D-STAR repeater is accessible.

Terminal Mode: Connect the ID-51A/E PLUS2 to the Internet through a PC or Android® device, and send your voice and/or data through the Internet gateway to a destination repeater.

Access Point Mode: Use an ID-51A/E PLUS2 radio connected to the Internet through a PC or Android® device, as an Access point. You can use another D-STAR radio to send your voice and/or data through the Access point radio, and communicate with D-STAR stations all over the world.



FORT WAYNE'S D-STAR REPEATER INFORMATION

Call sign: W9TE
Frequency: 442.99375 MHz, +5 MHz offset
Mode: DV
Your Call: CQCQCQ
RPT1 Call: W9TE***B (* = spaces)
RPT2 Call: W9TE***G (* = spaces)

For more information:

www.fwrc.info/index.php/d-star/10-club-info/20-d-star

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 | www.arrl.org/contests | ARRL's National Contest Journal | www.arrl.org/ncj |
| ARRL Contest Update | www.arrl.org/contest-update-issues | Contesting On-Line | www.contesting.com |
| WA7BNM Contest Calendar | www.hornucopia.com/contestcal/ | Contesting Wiki | https://en.wikipedia.org/wiki/Contesting |
| DX Zone Contesting | www.dxzone.com/catalog/Contesting/ | ARRL Contest Calendar | www.arrl.org/contest-calendar |

COLORADO QSO PARTY			TENNESSEE QSO PARTY			ARRL VHF CONTEST		
SEPTEMBER 3, 1300Z		SEPTEMBER 4, 0400Z	SEPTEMBER 4, 1600Z		SEPTEMBER 5, 2359Z	SEPTEMBER 10, 1800Z		SEPTEMBER 12, 0300Z
1.8-28	50+	PHONE, CW, DIGITAL	1.8-28	50+	PHONE, CW, DIGITAL	-	50+	PHONE, CW, DIGITAL
NAME, COUNTY, OR SPC			RS(T), COUNTY OR SPC			4-CHAR GRID SQUARE		
http://ppraa.org/coqp			https://tnqp.org/rules/			http://www.arrl.org/september-vhf		
NEW JERSEY QSO PARTY			NEW HAMPSHIRE QSO PARTY			ARRL 10 GHZ AND UP - ROUND 2		
SEPTEMBER 17, 1600Z		SEPTEMBER 18, 2000Z	SEPTEMBER 17, 1600Z		SEPTEMBER 18, 2200Z	SEPTEMBER 17, 0600Z		SEPTEMBER 18, 2359Z
3.5-28	-	PHONE, CW	1.8-28	50+	PHONE, CW, DIGITAL	-	10GHZ+	PHONE, CW, DIGITAL
RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC			6-CHARACTER MAIDENHEAD LOCATOR		
http://www.k2td-bcrc.org/njqp/			http://www.nharrl.org/			http://www.arrl.org/10-ghz-up		
MAINE QSO PARTY			TEXAS QSO PARTY			ARRL EME CONTEST - 2.3 GHZ & Up		
SEPTEMBER 24, 1200Z		SEPTEMBER 25, 1200Z	SEPTEMBER 24, 1400Z		SEPTEMBER 25, 2000Z	SEPTEMBER 24, 0000Z		SEPTEMBER 25, 2359Z
1.8-28	-	PHONE, CW	3.5-28	50+	PHONE, CW, DIGITAL	-	2.3GHZ+	PHONE, CW, DIGITAL
RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC			SIGNAL REPORT		
http://www.qsl.net/ws1sm/			http://www.txqp.net/			http://www.arrl.org/eme-contest-1		

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\(at\)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 10.

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

THE 74TH FINDLAY HAMFEST

HANCOCK COUNTY
FAIRGROUNDS

SEPTEMBER 11, 2016



Buildings open at 8:00 AM
Flea market opens at 7:30 AM
Talk-in: 147.15+, 444.15+

The 2016 Findlay Radio Club Annual Hamfest will be held Sunday September 11, 2016 (Gates open at 6:30 AM for Vendors to set up, 8 AM for the general public) at the Hancock County Fairgrounds. (1017 East Sandusky St., Findlay) General admission entrance this year will (again) be from Sandusky Street and NOT from Fishlock Ave. as has been used in years prior. Vendor and Flea Market admission will be from Sandusky Street as well this year. Admission is \$7 per person (under 18 is free).

<https://www.findlayradioclub.org>

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.

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

Fort Wayne Radio Club Dues	
Regular membership	<input type="checkbox"/> \$20.00 / year
Family membership ¹	<input type="checkbox"/> \$30.00 / year
Student membership ²	<input type="checkbox"/> \$5.00 / year
Associate membership ³	<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

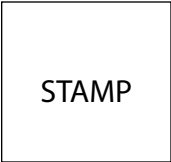
Please attach a check (number _____) for the appropriate amount and bring to a club meeting or mail to:

ACARTS PO Box 10342 Fort Wayne, IN 46851-0342	Fort Wayne Radio Club. PO Box 15127 Fort Wayne, IN 46885-5127
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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 optional	General use (Note 1)
146.940 (-)	141.3 Hz optional	General use with auto-patch (Note 1)
146.910 (-)	141.3 Hz optional	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)
224.780 (-)	No tone	W9FEZ, 1.6 MHz offset
Notes:		
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		
Monday			8:00 PM	146.685-	Huntington ARES
8:00 PM	224.780-	Fort Wayne 224 Net			
<p>1. All times local time. Any changes or corrections should be submitted to the newsletter editor at AB9ZD (at) ARRL.NET.</p> <p>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.</p> <p>3. 1st and 3rd Thursday, Reflector REF024B.</p> <p>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.</p> <p>5. Indiana HF Traffic Nets Web Site: http://www.inarrl.org/inhfnet.html</p>					



To:

Activities Calendar



Date	Time	Event	Place
09/06/2016	7:00 PM	FWRC Board Meeting	GSUMC
09/11/2016	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
09/13/2016	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
09/16/2016	7:00 PM	FWRC General Meeting	GSUMC
09/20/2016	7:00 PM	ACARTS General Meeting	Salvation Army Facility
10/02/2016	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
10/11/2016	7:00 PM	FWRC Board Meeting	GSUMC
10/11/2016	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
10/18/2016	7:00 PM	ACARTS General Meeting	Salvation Army Facility
10/21/2016	7:00 PM	FWRC General Meeting	GSUMC
11/12/2016	9:00 AM	2016 Fort Wayne Hamfest	Allen County War Memorial Coliseum
11/13/2016	9:00 AM	2016 Fort Wayne Hamfest	Allen County War Memorial Coliseum