



Photos from the Tailgate Hamfest and the Farnsworth Special Event Station

Page 2



Big Thanks to All Who Helped Out at the Picnic

Page 4



Modifying My 80-Meter Vertical

Page 6

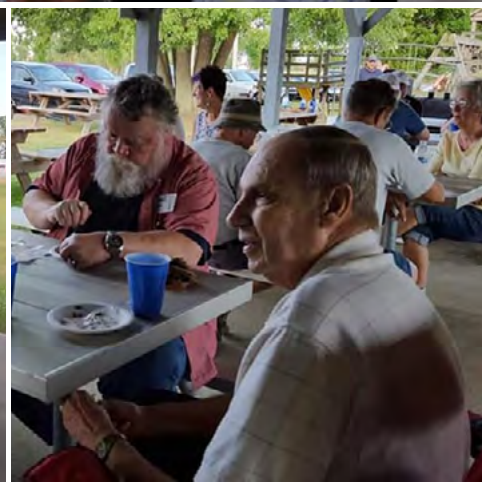
Allen County HamNews

September 2019
Volume 20
Issue 9

Fort Wayne Radio Club Fort Wayne DX Association

Allen County Amateur Radio Technical Society

GOOD FOOD AND FUN AT THE ACARTS PICNIC



Also this month

ACARTS Picnic Photos.....	1,5,7	Classified Ads / Hamfests.....	11
Tailgate Hamfest Photos.....	3	Contests / Repeaters	10
Storm Spotter Training	9	Membership App / Nets.....	11
H. P. Maxim Birthday.....	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/fwdx/
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, K9ZT, 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.

Ham splatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

A SPECIAL EVENT STATION FOR PHILO FARNSWORTH'S BIRTHDAY



We have plenty of photos this month from Steve W9SAN and whoever posted photos on the club's Facebook page. Check the Facebook page and the FWRC web page for more club photos.

September 20: Steve W9SAN will have a presentation on co-channel interference, like the problems we experienced during Field Day.



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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 MEMBERS GET TOGETHER FOR THE ANNUAL TAILGATE HAMFEST



State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

ACARTS PRESIDENT'S MESSAGE

The ACARTS Picnic at the Jefferson Township Park last month was another success. About 45 people attended. The weather cooperated and gave us a beautiful afternoon and evening. Everyone attending enjoyed an abundance of good food and conversation. Thanks to Charles, KC9MUT, for bringing his grill and his great skills in grilling the hamburgers and hotdogs to perfection. Thanks to Steve, K9SKS, for bringing the food and Pat, the XYL of W9LKH, for bringing the drinks, ice, paper plates, cups, plastic silverware, napkins, and many other items that she thought would be useful. Thanks to all of you that brought side dishes and desserts. Thanks to the YL's and XYL's that pitched in and helped arrange the food tables, and other things that needed to be done from time to time. Thanks to all those that helped clean the tables and



pick up the trash. And, finally, many thanks to all of you that attended the picnic. Your presence made the picnic the success that it was.

The September program on the 17th, will be a presentation by Steve, W9SAN, on identifying and eliminating RFI from ECMs (Electronically Commutated Motors). ECMs are used in furnaces and other products as energy saving devices, but they are known to create havoc with the ham bands.

The October program will be a presentation by Chris, KD9LRW, on DMR and Pi-Star Hotspots.

We have a couple of interesting programs lined up for you. I hope to see you at one or both meetings.

73,

Dave Lindquist, W9LKH
President

ACARTS AUGUST 2019 BOARD MEETING MINUTES

The meeting was called to order by Dave, W9LKH.

Dave stated that the ACARTS picnic would be on the coming Saturday, at Jefferson Township Park. He stated that he had about 45 reservations, so that it would be about the same size as previous years. He provided Steve, K9SKS, with the list of food items to purchase and the quantities needed.

September 17: Steve W9SAN on identifying and eliminating RFI from ECMs (Electronically Commutated Motors).

Unless otherwise scheduled, all General meetings are held at 7:00 PM at the Red Cross Center, 1212 E California Rd, Fort Wayne, IN. Board meeting are held at the Salvation Army Facility.

Dave stated that he had received an e-mail from Howard, N9ADS, whom could not attend the meeting, that the club storage unit rental was expiring later in the month, and that he needed to know if he should renew it. After a discussion, no one present wanted to store the club property at their house, so it was decided to renew the storage unit lease for another year.

Dave asked about programs for the



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Vice President

Jim Boyer, KB9IH
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Position Open

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September and October meetings. Several ideas were discussed. Dave stated that he would see what he could arrange.

Joseph, K9RFZ, gave an update on the Hamfest preparations. He stated that Kermit Carlson, W9XA, the Central Division Director, would not be able to attend the Hamfest because of a mandatory ARRL Director's meeting that weekend. He added that arrangements had been made for Riley Hollingsworth, K4ZDH, the new leader of the development of the ARRL's new Volunteer Monitors program. Riley was scheduled to speak at the Goshen club earlier in the week of the Hamfest. The Goshen date was moved to later in the week to that Riley could be in Fort Wayne for the weekend. ACARTS agreed to share the travel and lodging costs with Goshen. ACARTS share should be about \$250.

No other business was discussed.

The meeting was adjourned at 8:20 p.m.

Submitted by Dave Lindquist, W9LKH





Carl Luetzelschwab, K9LA

For my DXing efforts on 80m and 75m, I have a wire vertical supported by a big (3-foot diameter, 80-foot tall) oak tree on the east side of our property. The vertical wire starts at 6 feet off the ground and goes up to a pulley at about 65 feet. Since this is a bit shorter than a quarter-wave, there's a small B&W Airdux coil at the bottom of the vertical portion to resonate the system on 80m for CW operation. I can also short out several turns of the coil with clip leads to resonate it on 75m for Phone operation (it is fun to make the change in the dark of night in the snow). I use three 65-foot long elevated radials with this vertical.

Many years ago Dick K5IU had an interesting article titled "Optimal Elevated Radial Vertical Antennas" in the Spring 1997 issue of Communications Quarterly (which was subsequently absorbed into the ARRL's QEX magazine). Urged on by a prior article by Bill KG6GR (Understanding Elevated Vertical Antennas, Communications Quarterly, Spring 1995), Dick looked at the currents in his elevated radials in his vertical system using a current probe, and discovered very unequal currents (that translates to pattern distortion in the azimuth plane).

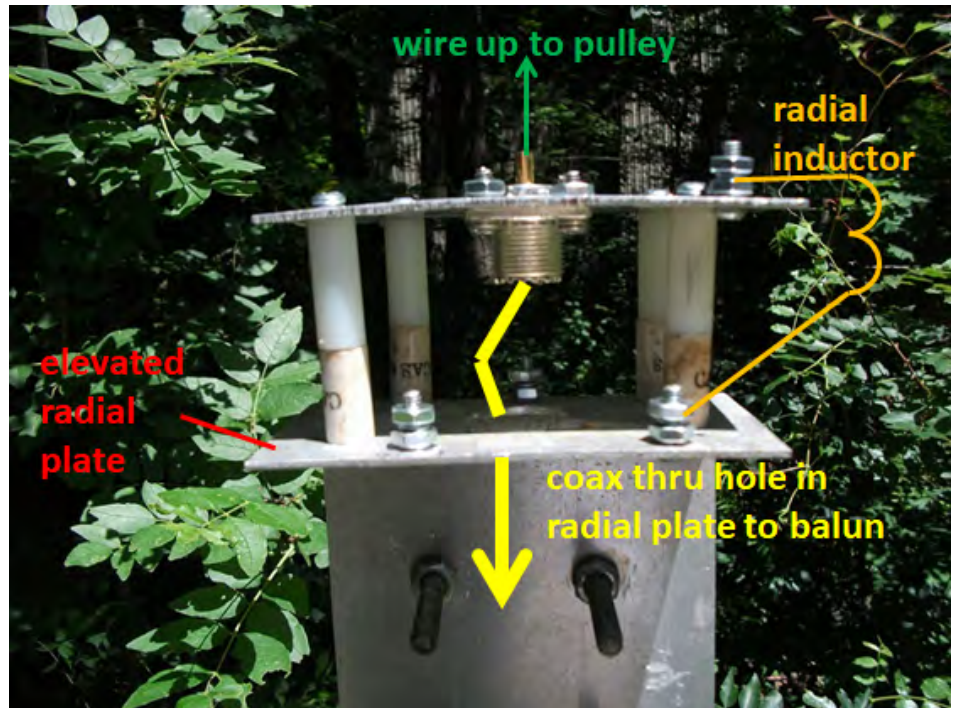
K5IU figured the problem was that his elevated radials were one quarter-wavelength long. He considered a radial to be a transmission line with ground being the other half, with the open end transforming to a very low impedance at the antenna. Thus, any variation in length or ground conditions could cause variations in these low impedances for each radial. He concluded that small variations at low impedances could result in unequal current sharing.

MODIFYING MY 80-METER VERTICAL

The solution was to shorten the elevated radials to one eighth-wavelength and use a loading coil (K5IU called it a radial inductor) between the coax shield and the elevated radial tie-point to make up for the physically shortened elevated radials. His subsequent measurements resulted in very equal currents in each radial. My goal was to someday try this on my vertical.

yet) was much higher than the modeled resistance at resonance. This could be due to additional loss from the big oak tree supporting this antenna since the wire is only 2.5-3 feet from the bark of the tree.

So now I'm off on a tangent trying to figure out if the tree is the culprit or I'm missing something in the model. I hope to have this resolved in time to finish the



The opportunity for the modification to my existing vertical came from my lawn tractor. I was mowing the grass and didn't notice that the end of the rope going up to the pulley was laying on the ground – and not anchored to the tree. The lawn tractor easily found the end of the rope, with the result being one elevated radial pulled down and the center conductor insert being pulled out of the SO-239 connector mounted on the L-bracket on the PVC pipe (the bottom of the vertical).

I modified the L-bracket by separating the radial tie-point from the SO-239 ground using non-conductive spacers (see the accompanying image), put in a new SO-239 and shortened the radials to 33.5 feet. Before putting in the radial inductor, I measured the feed point impedance and compared it to the 4nec2 (free from Arie Voors) model. The measured resistance at resonance (above the band since I didn't have the radial inductor in

antenna and begin chasing DX on 75m and 80m in the fall. I'm even thinking of doing the same thing for a 160m vertical. Right now, I just have a 'temporary' inverted-vee for topband – it's been 'temporary' for about three years. In closing, if anyone would like the K5IU article, drop me an e-mail at k9la at arrl.net.



MORE PHOTOS FROM THE ACARTS PICNIC



THE FOXHUNT CHRONICLES FOR AUGUST 2019

On Sunday, August 11th, the sun was shining brightly, and the temperature was darn near perfect. With just a few puffy white clouds in the sky, it was a great day to be Fox Hunting. Two teams, Charles Ward, KC9MUT, running solo, and the team of Linda, W9LAN, Steve, W9SAN, with their grandson Alex, were at the starting point ready to charge after the sly fox. Filling the roll of sly fox today was newbie hunter Bill Hopkins, K9WEH, who had chosen a shady and pleasant location on the back side of Shoaff Park in Fort Wayne, a stones' throw from the St. Joseph River. Bill was sitting at a table hiding in plain sight under some trees with a small vertical antenna and battery power supply.

At 1:30 pm, Bill accidentally started transmitting on the input to the '76 repeater, but quickly changed to the 146.43 simplex Fox Frequency, and the hunt was off! Both teams headed to the NNW, and the strength of the Fox rose rapidly. Upon arriving at the entrance to Shoaff Park, the extreme signal of the high-power Fox was apparent. However, the direction indicated required driving on the one-way loop inside the park. The Nardin team started around while Charles was set upon by a curious park goer asking questions.

So intent was the Nardin team on finding the high-power fox that they simply drove right past Fox Bill. That 'hiding in plain sight' thing was really working for Bill! Realizing their mistake, on the second trip around the Shoaff Loop, they spotted Bill and saw Charles in the woods rapidly dissecting an entire fallen tree!! When



Alex and Steve arrived at the tree, which was almost reduced to toothpicks by Charles, they triangulated the micro fox to a small area, which Alex jumped right into. Steve continued searching when he noticed that Alex was literally standing on top of the fox! Before Steve could get the words out of his mouth, Charles saw the micro fox under Alex's foot and shouted, "there it is!!".

So, Charles gets the first place for this hunt and will serve as the fox on September 15th. The late date for the next hunt is due to the first Sunday being Labor Day weekend, and the next Sunday is the Findlay Hamfest and VHF QSO Party.

With the hunt coming to a quick conclusion, the fox and hunters drove over to the Canterbury Green shopping complex and hit the Dairy Queen for refreshments. Tall tales were swapped over banana splits, blizzards, and cheese curds.

Why not plan on joining us for a Fox Hunt. You can receive a free tape measure 3 element yagi for participating in one hunt.

Steve Nardin, W9SAN

Call	Score This Month	Year to Date
WB9SSE	0	10.5
WB9RUS	0	6.5
K9OMA	0	13.5
KA9YYI	0	9.5
KC9MUT	3	21.34
KC9EZP	0	10.67
AB9IZ	0	11.34
W9SAN	1	17.67
W9LAN	1	17.67
Alex	1	11
K9LI	0	13
Julie Glick	0	8
K9WEH	3	9
KD9ITZ	0	2



2019 FOXHUNT SCHEDULE

The following is the planned Foxhunt schedule for 2019. All foxhunts start at 1:30 PM on Sunday at the River Greenway Trailhead at Cobin Memorial Park near Lakeside Golf Course.

September 15
October 6
November 3

NWS TO CONDUCT OCTOBER STORM SPOTTER CLASS IN FORT WAYNE

By Jay Farlow, W9LW, SKYWARN net manager

The Northern Indiana office (IWX) of the National Weather Service (NWS) will conduct a storm spotter class in Fort Wayne October 22. The class will begin at 7 p.m. in the auditorium of the Public Safety Academy, 7602 Patriot Crossing. That's behind the Walmart and Menards stores, off Lafayette Street, south of Tillman Road.

IWX will present the spotter class in nine locations around its coverage area this autumn. There are several reasons for this. Primarily, IWX needed to spread out its spotter class schedule. New NWS programs have put larger demands on meteorologists' time, making it infeasible to teach all spotter classes in the spring.

In addition, IWX needs spotter reports year-round. Autumn classes like the one in Fort Wayne October 22 will cover late season severe weather as well as winter weather types and reporting methods. Remember that climatology shows that while our area receives most of its severe weather in the spring, we have a second severe season in the fall. For example, a tornado did F4 damage in Van Wert November 10, 2002.

Even if you attended a spotter class last spring, I recommend attending this October class. It will give you a chance to see what changes IWX has made to the curriculum, refresh your knowledge for the autumn severe weather season and prepare you to be more helpful during the winter weather season. I plan to attend and hope to see you there. Register online at www.weather.gov/iwx/Spotter_Event_List.

August Severe Weather Prompts Net Activation

A severe thunderstorm prompted our SKYWARN net to activate in "standby mode" August 18. Brian Jenks, W9BGJ began operations at 3:36 p.m. after NWS issued a severe thunderstorm watch that included Allen County. At 8:18 p.m., IWX issued a severe thunderstorm warning for part of Allen County with a "tornado possible" tag. By then, Jim Moehring, KB9WWM served as net control operator. Apparently, no spotters on our net observed first-hand anything worth reporting to IWX, so the net remained in standby mode. The only report it handled was from Dennis Fry, KA9IPA, who relayed something he heard on a public safety radio channel. Other stations participating in the operation included W9LW, KD9INP, W9GGA, KC9GLK, KC9GDY, N9MEL and KB9LOF. Jim terminated operations at 9:23 p.m.

HAPPY 150!

THE HIRAM PERCY MAXIM BIRTHDAY CELEBRATION!



This year marks the 150th anniversary of the birth of the League's first president and cofounder, Hiram Percy Maxim (HPM), W1AW. HPM was born on September 2, 1869. The ARRL is again holding an operating event to celebrate HPM's legacy from August 31 to September 8. For more details:

www.arrl.org/hpm150-birthday-celebration



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\(at\)](mailto:AB9ZD@at) ARRL.NET.

<h2>FINDLAY RADIO CLUB HAMFEST</h2> <p>Sunday, September 8</p> <p>Door Open at 8:00 AM</p> <p>Hancock County Fairgrounds</p> <p>1017 E Sandusky St, Findlay, OHIO</p> <p>Adult Admission - \$10</p> <p>www.findlayradioclub.org/</p>	<h2>48TH ANNUAL LAFAYETTE HAMFEST</h2> <p>Saturday, September 14</p> <p>8:00 AM - 1:00 PM</p> <p>Tippecanoe County Fairgrounds 1406 Teal Rd, Lafayette, IN 47905</p> <p>Adult Admission - \$5</p> <p>Talk-In Freq: 145.370 (-)Offset, PL: 131.8Hz</p> <p>Hamfest Walk-Around: Simplex 146.550</p> <p>www.w9reg.org/hamfest.php</p>	<h2>47th FORT WAYNE HAMFEST</h2> <p>Largest Hamfest in Indiana 2019 ARRL INDIANA SECTION CONVENTION</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="1031 1417 1096 1554"> </div> <div data-bbox="1101 1417 1307 1564"> <p>ARRL Forum - Saturday 10:00 AM Kermit Carlson W9XA ARRL Central Division Director Carl Luetzelschwab K9LA ARRL Central Division Vice - Director James Merry Jr. KC9RPX ARRL Indiana Section Manager</p> </div> <div data-bbox="1315 1417 1526 1732"> <p>NOV. 16 & 17 2019</p> <p>SAT 9 AM to 4 PM SUN 9 AM to 2 PM</p> <p>Admission: \$6 Sat & Sun \$3 Sun only Children under 12 free (with adult)</p> </div> </div> <div data-bbox="1031 1575 1307 1701"> <p>ARRL Section Banquet - Saturday 5:00PM Dan Henderson N1ND - Keynote Speaker ARRL Regulatory Information Specialist Buffet BBQ Beef Brisket and Sautéed Chicken Breast. Ticket \$25. Attendance limited to first 70. Reservations Open October 1, 2019 www.fortwaynehamfest.com</p> </div> <div data-bbox="1031 1711 1307 1879"> <ul style="list-style-type: none"> • Ham Radio License Testing All Classes (\$14 9 AM till 12 PM Saturday) • WAS & DXCC Card Checking and CQ Awards • New & Used Ham Equipment Dealers • Main & Hourly Prizes • Equipment Check-out Test Purchases on-site • Talk-in 146.880- • Tables: \$25 Regular (8ft), \$50 Premium (8ft), \$33 Electricity </div> <div data-bbox="1315 1743 1526 1879"> <p> Allen County War Memorial Coliseum 4000 Parnell Ave Fort Wayne, IN 73,000 sq. ft. all indoors (Coliseum Parking \$6 per vehicle)</p> </div> <div data-bbox="1031 1879 1526 1957"> <p>Get the latest information at www.fortwaynehamfest.com www.facebook.com/FTWAYNEHAMFEST/</p> </div>
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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/	DXNews	http://dxnews.com
DX Zone Contesting	www.dxzone.com/catalog/Contesting/	ARRL Contest Calendar	www.arrl.org/contest-calendar

NEBRASKA QSO PARTY			TEXAS QSO PARTY			ALABAMA QSO PARTY		
SEPTEMBER 7, 1300Z	SEPTEMBER 8, 0100Z		SEPTEMBER 14, 1400Z	SEPTEMBER 15, 2000Z		SEPTEMBER 14, 1500Z	SEPTEMBER 15, 0300Z	
1.8-28	ALL	PHONE, CW	1.8-28	ALL	PHONE, CW, DIGITAL	3.5-28	-	PHONE, CW
COUNTY OR SPC (FT8: GRID SQUARE)			RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC		
https://qcwa.org/2019-ne-qso-party-rules.pdf			http://www.txqp.net/			http://alabamacontestgroup.org/aqp/		
ARRL SEPTEMBER VHF CONTEST			COLLEGIATE QSO PARTY			IOWA QSO PARTY		
SEPTEMBER 14, 1800Z	SEPTEMBER 16, 0259Z		SEPTEMBER 21, 0000Z	SEPTEMBER 22, 2359Z		SEPTEMBER 21, 1400Z	SEPTEMBER 22, 0200Z	
-	50+	PHONE, CW, DIGITAL	1.8-28	ALL	PHONE, CW, DIGITAL	1.8-28	ALL	PHONE, CW, DIGITAL
4-CHAR GRID SQUARE			SCHOOL NAME, SCHOOL MASCOT, OPERATING CLASS			RS(T), COUNTY OR SPC		
www.arrl.org/september-vhf			http://www.gatorradio.org/collegiate			www.w0yl.com/IAQP		
NEW JERSEY QSO PARTY			NEW HAMPSHIRE QSO PARTY			MAINE QSO PARTY		
SEPTEMBER 21, 1600Z	SEPTEMBER 22, 0359Z		SEPTEMBER 21, 1400Z	SEPTEMBER 22, 2000Z		SEPTEMBER 28, 1600Z	SEPTEMBER 29, 0400Z	
3.5-28	-	PHONE, CW, DIGITAL	1.8-28	ALL	PHONE, CW, DIGITAL	1.8-28	-	PHONE, CW
RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC		
www.k2td-bcrc.org/njqp			www.w1wqm.org/nhqso			http://ws1sm.com/MEQP.html		

ACARTS (W9INX) REPEATERS			FWRC (W9TE) REPEATERS			OTHER AREA REPEATERS			
Freq/Offset	Input Tone		Freq/Offset	Input Tone		Call	Freq/Offset	Input Tone	
146.880 (-)	No tone	General use / Skywarn priority	146.760 (-)	No tone	General use (Note 1)	W9FEZ	145.330 (-)	No tone	Fort Wayne
147.255 (+)	No tone	General use	146.910 (-)	No tone	General use (Notes 1 and 4)	W9FEZ	224.780 (-)	No tone	Fort Wayne (Note 1)
443.800 (+)	No tone	General use	146.940 (-)	141.3 Hz required	General use (Notes 1 and 3)	W9FEZ	444.800 (+)	No tone	Fort Wayne (Note 1)
144.390 (s)	Digital	APRS - wide	444.875 (+)	141.3 Hz required	General use (Note 1)	K9MMQ	443.100 (+)	N/A	Fort Wayne, DMR
145.530 (s)	Digital	W9INX-1 Digipeater and Node	442.99375	D-STAR	General use (Note 2)	K9MMQ	443.275 (+)	141.3 Hz required	Fort Wayne
Notes:			Notes:			N9MTF	442.6375 (+)	N/A	Fort Wayne, DMR
General Note: Standard 0.6 MHz (2-meter), 1.6 MHz (1.25-meter) and 5.0 MHz (70-cm) frequency offsets are used for all repeaters unless otherwise indicated.			1. 141.3 Hz output tone present 2. Offset + 5.0 MHz, W9TE ___ B, W9TE ___ G 3. Yaesu System Fusion repeater, supports both FM (analog) and C4FM (digital) voice 4. EchoLink connection repeater Node number 519521			W9AVW	444.250 (+)	141.3 Hz required	Fort Wayne
						W9OU	147.015 (+)	No tone	Auburn
Articles, photographs, and classified ads for publication in the Allen County HamNews should be emailed to the newsletter editor at AB9ZD(at)ARRL.NET several days before the first of the month. If you notice information that needs changed, please contact the newsletter editor by email. The Allen County HamNews is prepared using Adobe's InDesign software along with PhotoShop and Acrobat on an i7 based PC running Windows 10.						WC9AR	145.270 (-)	141.3 Hz required	Columbia City
						WC9AR	444.550 (+)	No tone	Columbia City
						K9OMA	147.375 (+)	No tone	Columbia City
						K9HC	146.685 (-)	141.3 Hz required	Huntington
						N9BCP	147.150 (+)	97.4 Hz required	Ligonier
						Notes:			

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 \$25.00/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"/> \$25.00 / 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!

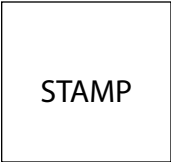
Special Event Stations This Month		
The Brickyard 400		
Sept 2-9	0400Z-0400Z	W9IMS
http://www.w9ims.org/		
Indiana Military Vehicle Show		
Sept 13-14	1418Z-1418Z	W9JCA
https://sites.google.com/view/w9jca/		
Plano Balloon Festival		
Sept 20-22	1800Z-2100Z	W5P
https://www.qrz.com/db/w5p		
Grand Canyon Centennial Event		
9/28-10/6	0701Z-0700Z	K7G
http://www.nadxa.com/		
WWV Centennial		
9/28-10/2	0000Z-2359Z	WW0WWV
http://www100.com/		

AREA NETS					
Daily			Tuesday		
8:00 AM	3.535	Daily (QIN) Indiana Section CW net	8:00 PM	50.580 USB	FWRC 6-Meter SSB 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 (141.3 PL)
Week Days			8:00 PM	50.580 FM	FWRC 6-Meter FM Net
8:30 AM	3.820	Little Red Barn Net	9:00 PM	146.940-	Help and Swap Net
Sunday			Thursday		
8:00 PM	444.550+	Whitley Co. ARC Sunday Night Net	8:00 PM	D-STAR	Indiana D-STAR net (Note 3)
8:30 PM	1.965 & 146.910-	"No-Name" Net also on EchoLink Node number 519521	8:00 PM	50.580 AM	6-Meter AM Net
9:00 PM	145.530	Northeast Indiana Packet Net (Note 2)	8:30 PM	145.510 (s)	Allen County ARES Digital Operations Team Training Net (Note 4)
Monday			Saturday		
8:00 PM	224.780-	Fort Wayne 224 Net	8:00 PM	146.685-	Huntington ARES

For a complete listing of special event stations (and latest updates), check the listing in QST and the ARRL web page:

www.arrl.org/special-event-stations

1. All times local time. **Any changes or corrections should be submitted to the newsletter editor at AB9ZD (at) ARRL.NET.**
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. 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: <http://www.inarrl.org/index.php/public-service/indiana-nts>



To:

Activities Calendar



Date	Time	Event	Place
09/10/2019	7:00 PM	FWRC Board Meeting	GSUMC
09/10/2019	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
09/15/2019	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
09/17/2019	7:00 PM	ACARTS General Meeting	Red Cross Center
09/20/2019	7:00 PM	FWRC General Meeting	GSUMC
10/06/2019	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
10/08/2019	7:00 PM	FWRC Board Meeting	GSUMC
10/08/2019	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
10/15/2019	5:00 PM	ACARTS General Meeting	Red Cross Center
10/18/2019	7:00 PM	FWRC General Meeting	GSUMC
11/16/2019	9:00 AM	Fort Wayne Hamfest	Allen County War Memorial Coliseum
11/17/2019	9:00 AM	Fort Wayne Hamfest	Allen County War Memorial Coliseum