



Allen County HamNews

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

April 2019
Volume 20
Issue 4

FOXHUNT CHRONICLES FOR MARCH 2019

The March foxhunt occurred on Sunday the 3rd of March, a cold, windy, slightly overcast day that featured a bit of blowing snow. (C'mon Spring Training). The foxhunting teams consisted of the team of Jim Pliett, K9OMA and Al Burke, WB9SSE, the team of Steve and Linda Nardin, WB9's SAN and LAN plus their grandson Alex, and the team of Don Glick, K9LI and his wife Julie.

The role of the fox in this little drama was provided by Charles Ward, KC9MUT, Fred Gengnagel, KC9EZP and Phil Hooper, AB9IZ. (This crew is widely referred to as "the Unholy Three" in God fearing fox-hunting circles throughout the Midwest, and internationally, through Interpol, are known as der schlaue Fuchs).

They hid out at Waynedale Memorial Park, south of Lower Huntington Rd., across the street from Waynedale Elementary School. A nice little park.

Of course, they employed a high-power fox, a yagi driven at 50 watts and mounted at about 12' on a tower installed on KC9MUT's pickup. And they also employed a microfox, a microcomputer driven transmitter putting out several hundred milliwatts. The microfox was programmed to transmit a cw signal on 146.430 MHz for one minute every two



and a half minutes, while the high-power fox would transmit for one minute every five minutes.

Waynedale Memorial Park features a playground set with swings, monkey bars, a slide and so forth. Der schlaue Fuchs emplaced the microfox on the bottom side of the slide, quite close to the ground. It was well hidden.

The high-power fox began transmitting on 146.430 MHz promptly at 13:30 hours and was immediately heard by the foxhunter teams located across town at their Cobin Memorial Park starting point.

All three teams took off charging more or less down the beam heading they had picked up.

For our part we headed south on Cole-sium then west on New Haven Ave and eventually wandered further west again on Rudisill, always following the beam headings provided by Jim's roof mounted Quad. We drove around Foster Park a bit but concluded the fox had to be further south and west, eventually winding up at Waynedale Memorial Park based upon the DF bearings we received. We were the

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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

FORT WAYNE RADIO CLUB MEETING MINUTES FOR MARCH 2019

The March meeting of the Ft. Wayne Radio Club was held at the Good Shepherd United Methodist Church (GSUMC) on 15 March, 2019. The meeting was hosted by President Charles Ward, KC9MUT.

There were about 35 folks in attendance and following the Pledge of Allegiance, each person introduced themselves via their call sign.

The Treasurer's report, provided by Bob Streeter, W8ST, indicated the club's financial status as of 15 March, 2019:

Income Year-To-Date	\$2,541.20
Expenses Year-To-Date	\$51.85
Savings balance	\$1,830.01
Checking balance	\$5,131.26
Cash-on-Hand	\$43.00
Vanguard account balance	\$8,085.95

Steve Nardin, W9SAN noted that efforts continue to prepare for the club's 100th year celebration. Steve has received artwork from several club members that could be used in the development of club QSL cards, operating certificates, window decals or bumper stickers and other items that attest to our 100 years of existence. Examples of all submissions that will have been received by the time of the Spring Banquet (which will occur on Friday, 12 April) will be displayed at the Spring Banquet. During the May club meeting we will formally vote on which pieces of submitted artwork will be used to represent the club during CY 2020. At present we are planning to have three special event operations in 2020; during the first weekend of the Three Rivers Festival, during John Appleseed weekend, and during the Indiana QSO party in May, 2020.

Details of these events need to be worked out, including suitable venues. Once cast in concrete Al Burke will pre-

pare an article about them for submission to QST for inclusion in the Special Event Stations column.

Ken Rogner, N8KR, representing the Straight Key Century Club welcomed the FWRC as SKCC member number 20000C and noted that W9TE has advanced to the Centurion C1 level of SKCC achievement. The Centurion Cx1 award is earned by SKCC members who work 100 other members, exchanging SKCC number and name. This was accomplished by a group of 12 FWRC members who worked a SKCC event from N8KR's QTH this last weekend.

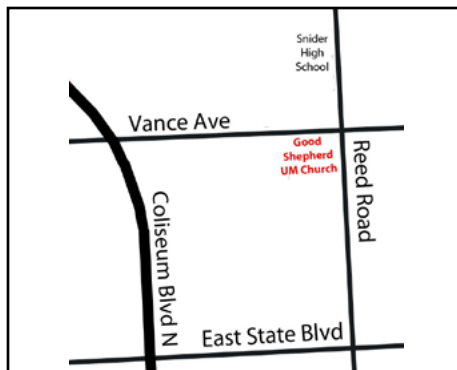
Charles announced that the Circle of Friends Interdenominational Prayer Net will commence operation on the 147.015 repeater starting on Sunday, 17 March at 7:00 pm. A flyer regarding this activity is shown on the next page.

Following the business meeting Jim Pliett, K9OMA, gave a presentation on considerations for operating on the 630-meter band which is available to hams with a General or higher class license, using frequencies between 472 kHz and 479 kHz. Jim addressed the challenges of building an antenna system for that band, and touched on unique devices such as the Variometer, and class D power amplifiers. All in all an interesting and informative presentation.

Respectfully submitted,

Al Burke, WB9SSE

Secretary, Fort Wayne Radio Club



April 12: The meeting will be our annual Spring Banquet at the GSUMC.

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Carole Burke, WB9RUS

Webmaster

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.

Announcing the New,

Circle Of Friends

Interdenominational
Christian Prayer Net—

Premiering at
7:00 P.M. Sunday, March 17 on the
W90U (Auburn) Repeater, 147.015

Join the
Circle Of Friends

and appeal for prayers for your needs or the needs of
friends or family, then be a part of the
"Power of Prayer."

Fort Wayne Hams attending the Crossroads Hamfest in Kalamazoo, MI



Some of the hams from Fort Wayne and the surrounding area at the Toledo, Ohio Hamfest At Owen College.



Photos provided by Tom KU8T

HEAR YE! HEAR YE! HEAR YE!

The Fort Wayne Radio Club, W9TE, SKCC #20,000, has achieved the coveted 1st generation SKCC member achievement known far and wide as the Centurion award. Yes, the FWRC submitted a log confirming contacts with 100 unique SKCC members and, with this award, may now send the letter, C, following their number ... hence 20,000C!



SKCC is full of special awards and the achievement of the Centurion is the first step toward the Tribune award followed by the Senator award. (Other special awards include prefix, worked all states, triple key, qrp miles per watt, ragchew, and dx.)

The Centurion award was a result of the special W9TE SKCC multi operation earlier in March. For more information on SKCC, visit their website at www.skccgroup.com. It's filled with lots of great information and operating tools.

Ken Rogner N8KR

State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

ACARTS PRESIDENT'S MESSAGE

Many thanks to Jim Moehring, KB9WWM, for his presentation on the digital software package FLDIGI at the March meeting. Jim gave an overview of the suite of programs, the various digital modes that they operate, and how the digital modes are being used for emergency communications.

Mark your calendars for Saturday, April 6th. The VHF/UHF FM Simplex contest is again going to be held that evening from 7:00 p.m. to 10:00 p.m. The format will be essentially the same as in previous years. Official rules, logs, and maps, are posted on the ACARTS website. It has been a fun little contest in the past, but it really gives you an idea of the capabilities of your station for simplex operation in an emergency situation. Plan on joining in for an evening of fun.



The April meeting is the annual Spring Banquet, to be held at 6:00 p.m. on Tuesday, April 16th, at Hall's Guesthouse on Washington Center Road. The club will pay a portion of member's dinners while guests, which are highly encouraged, will have to pay for their own meals. Contact me at w9lkh (at) comcast.net or 260-485-6135, to make reservations, which are necessary to attend. Reservations must be made by Sunday, April 14th, so the restaurant knows how to set the room. Please plan on joining us for an evening of good food and conversation. I would like to especially invite the new hams and new members to attend. It is a good opportunity to meet fellow club members in a casual setting. I hope to see you there.

73,
Dave Lindquist, W9LKH
President

ACARTS MARCH 2019 GENERAL MEETING MINUTES

The meeting was called to order by Dave, W9LKH.

After introductions, Dave asked if there were any new hams with a membership letter present. None were present.

Dave announced that the FM VHF/UHF Simplex Contest would be held on Saturday April 6th from 7:00 p.m. to 10:00 p.m. and encouraged everyone to participate.

He also announced that the April

April 16: The annual Spring Banquet, to be held at 6:00 p.m. on Tuesday, April 16th, at Hall's Guesthouse

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.

meeting would be the Spring Banquet, to be held at 6:00 p.m. on April 16th, at Hall's Guesthouse. He stated that he would begin taking reservations the first of the month.

A presentation was made by Jim Moehring, KB9WWM, on FLDIGI, the suite of digital mode programs.

The meeting was adjourned at 8:45 p.m.

Submitted by Dave Lindquist, W9LKH.



ACARTS Officers

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Vice President

Jim Boyer, KB9IH
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Secretary

Position Open

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ACARTS MARCH 2019 BOARD MEETING MINUTES

The meeting was called to order by Dave, W9LKH.

Dave announced that the March meeting would be a presentation by Jim Moehring, KB9WWM, on FLDIGI. He added that the April meeting would be the Spring Banquet.

Dave also announced that the FM VHF/UHF Simplex Contest would again be sponsored by ACARTS and would be held on Saturday, April 6th, from 7:00 p.m. to 10:00 p.m. He encouraged the board members present to participate.

Dave, W9LKH, brought up the fact that Jim, KB9IH, had shipped an item left at the Hamfest to the owner. The owner had agreed to pay the shipping charges, but has not, as of yet, reimbursed Jim. It was decided that Jim should not be left paying the expenses out of his own pocket and that the club should reimburse him.

No other business was discussed.

The meeting was adjourned at 7:35 p.m.

Submitted by Dave Lindquist, W9LKH

SKYWARN NET USES STATEWIDE TORNADO DRILL AS EXERCISE

By Jay Farlow, Net Manager, Allen
County SKYWARN

The Allen County SKYWARN net activated March 19 in conjunction with the Indiana statewide tornado drill, part of severe weather awareness week. Net control station (NCS) operator Chad Beach, W9GGA put the net into standby mode at 10:05 a.m., taking check-ins and reminding stations that during standby mode, an NCS is available, but stations are welcomed to use the frequency as normal, while keeping transmissions short and leaving large breaks between transmissions. Eight stations checked in during standby mode, including WX9IWX, the amateur station at the National Weather Service (NWS) Northern Indiana office.

At 10:17 a.m., the NWS issued the planned, test tornado warning. Chad went to directed net mode, reminding stations that during this mode, they are requested to remain silent, unless they have a storm spotter report to make. Chad also reminded stations of the preferred call-in procedure for making reports and invited stations to make simulated spotter reports.

Six stations made such reports, with N9MEL and K9JDF serving as liaison stations, entering reports into the NWSSChat internet communication system. Chad closed the net at 10:35 a.m.

In addition to those mentioned above, the following stations participated in the net:

- K4RMU
- K9SKS
- KA9SLN
- KB9JR
- KB9WWM
- KC9EZP
- KD9ISV
- KD9JLL
- KD9KMK
- N9HRA
- W9LW
- WB8FUL

Allen County Amateur Radio Technical Society

2019 ACARTS VHF/UHF FM Simplex Contest

**Saturday April 6, 2019
7 – 10 PM EDT**

**Operate 2m, 1.25m, and 70cm
FM Simplex Frequencies ONLY**

**Base – Portable – Rover
Categories**

**Score Bonus Multipliers for Each Unique
Township Contacted**

**Complete Rules, Log Sheet, and Helpful
Map Download at;**

ACARTS.COM

SILVER LININGS



Carl Luetzelschwab, K9LA

The title of this month's column comes from the old saying that "in every cloud, there is a silver lining." That simply means you might be able to find something good in a bad situation. Relating this to our DXing endeavors, the 'dark cloud' is propagation on the higher bands (15m, 12m and 10m) at solar minimum. The 'silver lining' is unusual openings on these higher bands.

As an example of a 'silver lining', the February 19 issue of The Daily DX (edited by Bernie W3UR) had comments by Jack W4TJE about the recent XX9D operation. Just before 1300 UTC he saw a 15m spot from the XX9D team one day saying they were "looking long path for North America." He thought that was a long shot being at solar minimum, but he QSY'd to 15m to check it out. He found them there and he worked them.

The path from W4TJE to XX9D on the long path is at a heading of 165 degrees out of W4TJE – in other words, to the SSE (south-southeast). This heading puts the F2 region control point (2000 km from W4TJE – the control point method is used by our propagation prediction software to predict long distance propagation) in the equatorial ionosphere – where the highest ionization levels in the world occur. Similarly, the long path heading out of XX9D is 193 degrees, and it also puts the F2 region control point on the XX9D

end in the equatorial ionosphere.

The result is MUF (maximum useable frequency) values that could support 15m propagation via the F2 region on several days of the month – even at solar minimum. If you're in the right place at the right time, you could take advantage of this. But there is one more condition in addition to 'the right place at the right time.' And that's your antenna system.

At solar minimum 15m is going to require very low elevation angles (so will 12m and 10m). So you need to put your energy down low. We can get an idea of how low the required angles are by doing some work with VOACAP. I ran predictions from W4TJE to XX9D via the long path in mid-February at a smoothed sunspot number of 0 using 500 watts and +13 dBi antennas (medium size Yagis) on both ends. The results are in the accompanying table.

The first column gives the number of hops. Thus, it's obvious that there are multiple modes on this path – 13F2 (13 hops via the F2 region), 10F2 and 8F2. The last column gives the antenna height to put the peak of the lowest lobe at the desired elevation angle.

If the 13 dBi antennas are 47 feet high (about 1.0 wavelengths), the 13F2 signal power with 500 Watts would be -155 dBm. A typical HF transceiver has an MDS (minimum discernible signal) of around -130 dBm, so you would not be able to take advantage of this opening.

If the 13 dBi antennas are 93 feet high (about 2.0 wavelengths), the 10F2 signal power with 500 Watts would be -110 dBm. You should be able to copy that, but it is weak. It might wiggle the S-meter a bit.

If the 13 dBi antennas are at 163 feet (about 3.5 wavelengths), the 8F2 signal power with 500 Watts would be -98 dBm. That's about an S4.

# of hops	elevation angle (°)	signal power (dBm)	req'd antenna height (ft)
13	12	-155	47
10	7.5	-110	93
8	4	-98	163

Predictions for the W4TJE-XX9D long path

I should mention that these very low elevation angles may instigate some chordal hopping, which would increase the signal power. Unfortunately, VOACAP doesn't take chordal hops into account – just multi-hop.

If we're going to be at solar minimum for a while (like we were between Cycles 23 and 24), are there any volunteers to help me dig the 7 foot by 7 foot by 7 foot hole for my new 180 foot tower so I can take advantage of these very low angle openings?



INDIANA QSO PARTY MAY 4-5

The 2019 rules for the INQP are now available (there are no significant changes from 2018).

www.hdxcc.org/inqp/rules.html

The purpose of the Indiana QSO Party (INQP) is to encourage contact with Indiana amateur radio stations by other Indiana hams and hams worldwide. Stations outside of Indiana work Indiana stations only. Indiana stations work everybody, including other Indiana stations. See the rules for the rest of the details.

The INQP is a great time to work on your Worked All Indiana Award. It only takes 60 confirmed counties to earn the initial certificate. Your INQP QSOs count as confirmed QSOs toward your WAI. Just indicate the INQP QSOs on your GCR, and we'll use your submitted log to confirm the QSOs.

FWRC MEMBERS ACTIVATE W9TE SKCC #20,000

Eleven club members activated the newly acquire SKCC #20,000 for W9TE on Saturday March 9th at the N8KR shack. Two stations were set up: a Yaesu FT-1000MP on 40 meters and an Elecraft K-3 on 20 meters. The 8-hour operation was a part of the monthly SKCC event called "Weekend Sprintathon." During that time, SKCC members exchanged true RST reports, QTH, names and SKCC numbers. This was our first time sending

#20,000 and many were pleased to work us! During the day we worked just short of 150 stations in 37 states, 2 Canadian provinces, and 4 European countries.

All contacts were made with straight keys although WA9BBN brought along his bug and cootie with an oscillator. It was fun to play with those and we had many “moments” of chatting and playing and story-telling with many snacks and soft drinks.

At noon, Larry – KB9OS and Carla – KD9ITZ showed up with a couple of pizzas! How cool was that! Some of our members made their first EVER SKCC contact as we tried to get everyone, if possible, on the air. Members present included KB9OS, KD9ITZ, W9SAN, KD9KSB, WA9BBN, K9FMX, KA9GKE, W9HT, KD9INL, K9LI, and N8KR.

Ken Rogner N8KR



<<<<<<<<<
Josh-W9HT
and Terry-
K9FMX on
40m

<<<<<<<<<

>>>>>>>>>
Ed-WA9BBN
and Steve-
W9SAN on
20m

>>>>>>>>>



Break Time-
KD9GDY and
W9HT

<<<<<<<

>>>>>>>>
Ed, Rose,
Cory, Jim,
Terry, Larry,
and Carla

[illegible]

WA9BBN,
KD9INL, and
KD9KSB

<<<<<<<

>>>>>>>>
The best side
of N8KR and
K9LI!

>>>>>>>



Foxhunt - Continued from Page 1

first foxhunting team to localize the fox. The Schlaue Fuchs group mostly stayed inside Charles pickup truck with its engine idling to keep warm (it was cold out there). Jim and I picked up our handheld yagi's and stomped off on foot to find the microfox. Jim was employing a recent improvement to his hand-held equipment. He had added a UHF yagi to the VHF yagi he used as his hand-held foxhunting rig plus a UHF receiver to go along with the UHF antenna. The UHF antenna is tuned to the third harmonic of the fox signal, i.e., 439.290 MHz and its elements are mounted on the boom in the same plane as those of the VHF antenna elements. The use of the third harmonic provides unambiguous indications of a nearby location of the microfox and is of great help in locating the little bugger when it is well hidden.

So as it turned out, Jim was the first to locate the microfox although he had to get down on his belly to lay eyes on the thing. About one half hour after our finding the microfox the Nardin team arrived on site and they started hunting the



microfox too and found it not too much later.

Don Glick and Julie had suffered an equipment failure. One of the elements on his hand held yagi had broken which apparently really distorted its pattern thus giving him erroneous beam headings. He and Julie wound up in New Haven and a few other exotic locals before they concluded..."Something isn't right." They finally decided to give up on the hunt and meet us where-ever we decided to get a bite to eat.

Our Locale-de-Food Consumption turned out to be Hall's Original Drive-In on Bluffton Rd. I was especially looking forward to a trip to Hall's because they are known for yummy milk shakes, sundaes and malted milks. Linda Nar-

din and Don Glick were too. Much to our consternation we discovered that Hall's had run out of ice cream. Yah, no kidding. So we had to do without those treats. But we worked around it and everyone found something they liked.

Since Jim first found the microfox, he and I will be the fox for the April hunt which will occur on 7 April. Why not come out and join us. It's fun.

The foxhunt scorecard so far this year is shown below:

Call	Score This Month	Year to Date
WB9SSE	3	4
K9OMA	4	5
KC9MUT	4.67	7.67
KC9EZP	4.67	8.67
AB9IZ	4.67	4.67
KB9RLW	-	9
KC9UHU	-	5
W9SAN	2	7.67
W9LAN	2	7.67
Alex	2	2
K9LI	DNF	2
Julie Glick	DNF	2
KD9ITZ	-	2
KA9YYI	-	1
Brian Mockenhaupt	-	1

73's,

Al Burke, WB9SSE





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.

April 7
May 5
June 2
July 14
August 4
September 15
October 6
November 3



*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**.*



15th Annual – North Central Indiana Hamfest

Saturday, April 27th, 2019

8:00 AM to 1:00 PM (EST)

**Miami County 4H Fairgrounds
1029 W. 200 North, Peru, IN**

**Hosted by the Cass County, Grant County, Miami County & Kokomo
Amateur Radio Clubs**

Talk-In on 147.345+ (131.8) The K9ZEV Miami County ARC Repeater

\$5.00 at the Door – 17 and Under FREE

Raffle Prizes: Yaesu FT-2900 & FTM-3200 Mobiles

FREE Parking

<http://nci-hamfest.net/>

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

MISSISSIPPI QSO PARTY			MISSOURI QSO PARTY			NORTH DAKOTA QSO PARTY		
APRIL 6, 1400Z		APRIL 7, 0200Z	APRIL 6, 1400Z		APRIL 7, 0200Z	APRIL 13, 1800Z		APRIL 14, 1800Z
3.5-28	50+	PHONE, CW, DIGITAL	1.8-28	50+	PHONE, CW, DIGITAL	1.8-28	50,144	PHONE, CW, DIGITAL
RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC		
www.arrlmiss.org			www.w0ma.org			www.kg0yl.net/QSO.html		
NEW MEXICO QSO PARTY			GEORGIA QSO PARTY			ARRL ROOKIE ROUNDUP, SSB		
APRIL 13, 1400Z		APRIL 14, 0200Z	APRIL 13, 1800Z		APRIL 14, 2359Z	APRIL 14, 1800Z		APRIL 14, 2359Z
3.5-28	50	PHONE, CW, DIGITAL	1.8-28	50	PHONE, CW, DIGITAL	3.5-28	50	PHONE
NAME, COUNTY OR SPC			RST, COUNTY OR SPC			NAME, 2-DIGIT YEAR LICENSED, STATE/PROVINCE/XE AREA/"DX"		
www.newmexicoqsoparty.org			www.georgiaqsoparty.org			www.arrl.org/rookie-roundup		
NEBRASKA QSO PARTY			MICHIGAN QSO PARTY			FLORIDA QSO PARTY		
APRIL 13, 1400Z		APRIL 22, 2359Z	APRIL 20, 1600Z		APRIL 21, 0400Z	APRIL 27, 1600Z		APRIL 28, 2159Z
1.8-28	ALL	PHONE, CW, DIGITAL	3.5-28	-	PHONE, CW	7.0-28	-	PHONE, CW
RS(T), COUNTY OR SPC [FT8: S/N, GRID]			SERIAL, COUNTY OR SPC			RS(T), COUNTY OR SPC		
www.qcwa.org/chapter025.htm			www.miqp.org/Rules.htm			https://floridaqsoparty.org/		

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: 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.			Notes: 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			N9MTF	442.6375 (+)	N/A	Fort Wayne, DMR
						W9AVW	444.250 (+)	141.3 Hz required	Fort Wayne
						W9OU	147.015 (+)	No tone	Auburn
						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:			

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(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 PC running Windows 10.

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 ☐ \$12.00 / year
 Additional family members¹ ☐ \$6.00 / year
 Student membership² ☐ \$6.00 / year
 Associate membership³ ☐ \$6.00 / year
 (New Regular memberships are \$1/month)

Fort Wayne Radio Club Dues

Regular membership ☐ \$20.00 / year
 Family membership¹ ☐ \$30.00 / year
 Student membership² ☐ \$5.00 / year
 Associate membership³ ☐ \$20.00 / year
 Mailed newsletter premium ☐ \$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

PO Box 10342

Fort Wayne, IN 46851-0342

Fort Wayne Radio Club.

PO Box 15127

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

40th Anniversary of W6RO on the Queen Mary

Apr 1-30 1600Z-0000Z W6RO

<http://aral.org/>

7th Annual Earth Day Celebration

Apr 13 1500Z-2000Z W8PRC

www.parmaradioclub.com/

World Amateur Radio Day

Apr 18 0100Z-2300Z W2JLD

<https://theworldradionetwork.com/>

Commemorating the Louisiana Purchase

4/27-5/5 0000Z-2359Z W5L

www.nelarc.org/2019-W5L

W1BSA

Apr 27 1400Z-2000Z W1BSA

<http://ne1pl.org/>

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

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

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
04/02/2019	7:00 PM	FWRC Board Meeting	GSUMC
04/06/2019	7:00 PM to 10:00 PM	VHF/UHF FM Simplex Contest	
04/07/2019	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
04/09/2019	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
04/12/2019	7:00 PM	FWRC Spring Banquet	GSUMC
04/16/2019	6:00 PM	ACARTS Spring Banquet	Don Hall's Guesthouse
04/30/2019	7:00 PM	FWRC Board Meeting	GSUMC
05/05/2019	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
05/10/2019	7:00 PM	FWRC General Meeting	GSUMC
05/14/2019	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
05/21/2019	7:00 PM	ACARTS General Meeting	Red Cross Center
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