



Successful Auction,
Planning for Field Day

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QRP CW Transceiver Kit
Demonstration, Picnic
Planned for August 10

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How Long Will We Be at
Solar Minimum?

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Allen County HamNews

Fort Wayne Radio Club Fort Wayne DX Association

Allen County Amateur Radio Technical Society

July 2019
Volume 20
Issue 7

ARRL FIELD DAY AT HISTORIC FORT WAYNE



Another successful Field Day in Fort Wayne. Of course we have photos but there is also a video you can watch too. Brenda Plummer, KD9GDX, narrated a video tour of the Fort Wayne Radio Club's Field Day operation as well.

<https://www.facebook.com/FortWayneRadioClub/videos/2426552947628720/>



Photos provided by Al Burke, WB9SSE and other FWRC members who uploaded photos to the club's Facebook page. Thanks!

Also this month

Field Day Photos	1,3,7	Classified Ads / Hamfests.....	9
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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, 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.

Hamsplatter

Fort Wayne Radio Club P.O. Box 15127, Fort Wayne, IN

FORT WAYNE RADIO CLUB MEETING MINUTES

The June meeting of the Ft. Wayne Radio Club was held at the Good Shepherd United Methodist Church (GSUMC) on 14 June, 2019. The meeting was hosted by President Charles Ward, KC9MUT.

There were about 30 folks in attendance and following the Pledge of Allegiance, each person introduced themselves via their call sign.

Treasurer Bob Streeter, W8ST was not present at the meeting, but he had previously provided the latest club financial data, as of 31 May, 2019 as follows:

Income Year-To-Date	\$3,340.54
Expenses Year-To-Date	\$294.12
Savings balance	\$1,830.25
Checking balance	\$2,628.99
Cash-on-Hand	\$43.00
Vanguard account balance	\$11,145.05
Number of members	128

Larry Temenoff, KB9OS noted that when Channel 21 ceased providing weather radar video to the public. He decided to write a letter to the FCC and to Channel 21 management regarding this loss of a valuable public service. He got an immediate response from the FCC and subsequently from Channel 21 (probably because he sent the letter to the Channel 21 General Manager registered requiring a signed acknowledgement of receipt). It appears that Channel 21 is now working with Public Television Channel 39 to provide streaming video of the weather radar. The lesson learned here is that it pays to be a squeaky wheel if you do it right.

Steve Nardin, W9SAN reported that the auction of approximately fifty items from the Brunns estate closed at 6:00 pm this evening and yielded about \$3,000.00. So, the FWRC's share of the proceedings will be about \$750.00. Of the fifty-three items up for auction, all but five sold, four of

these not meeting their reserve. The BOD will decide how to dispose of these items after the fact. Steve will have all of the purchased items at his QTH through mid-next week for folks to pay for and pick up (cash, check or money order only). After that contact Al Burke, WB9SSE, (260)-637-1989, aburke55@comcast.net if you have something to be picked up/paid for while Steve is out of town.

Steve received a well desired hearty applause from the crowd in attendance for all the effort he put into this auction.

Steve commented on the June fox-hunt. Three teams participated as hunters. The Nardins (Steve, Linda and grandson Alex) served as the fox. Don Glick, K9LI and his wife Julie were the winners. You can find more details in the June edition of the Foxhunt Chronicles which will be published soon.

Charles discussed the status of planning for Field Day. It will occur the weekend of 22-23 June at the Old Fort. There will be a QRP night on the evening of Friday the 21st. Field Day setup will commence on Saturday the 22nd starting about 09:00 am, with the competition starting at 2:00 pm and continuing on for twenty-four hours until 2:00 pm Sunday. We will use the 146.910 machine for intercom. We will have hamburgers and hot dogs for dinner Saturday evening starting about 5:30 pm with Charles as the master chef. The club will provide the hamburgers and hot dogs with accouterments, you bring in whatever chips or other snacks



July 19: The July meeting will include a wrap-up of Field Day.

FWRC Officers

President

Charles Ward, KC9MUT
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W9TE Trustee

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.

you might like. Be sure to bring a chair and something to drink. There will be a \$5.00 fee for the food (a bargain).

It is not clear how many stations we will have on the air. Looks like at least two CW stations, one phone station and a GOTA station. We are in need of someone to manage a six-meter station (propagation to the East Coast is expected to be good). We are in need for someone to serve as the Safety Officer. It would be nice for someone to take on the task of providing breakfast Sunday morning. We are in need of a UPS to back up the logging server. If anyone has some HF band-pass filters that would be used to reduce co-band interference, that would be appreciated. Bring tools, bring spare co-ax. Contact any club officer or Board member if you can help out in any area mentioned above, or elsewhere. Plan on joining in on the next On-the-Air Field Day coordination meetings which will occur on the 146.760 machine on 18 and 19 June starting at 7:00 pm.

Respectfully submitted,
Al Burke, WB9SSE
Secretary, Fort Wayne Radio Club



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, KB9IH, for his great presentation on the QPR Labs QCX QRP CW Transceiver kit. Jim gave many helpful hints on how to build the kit and explained a few problems with the assembly. He then explained the theory and operation of various circuits of the transceiver.

Congratulations to Larry Eckerley, KF9YP, who won the 40-meter version of the kit that ACARTS gave away after the presentation.

There will be no ACARTS meetings in July, and the August board meeting will be a week early, on August 6th.

Saturday, August 10th is the date of the 2019 ACARTS Picnic. The picnic was a great success the last two years, so this year's picnic will be pretty much the same. The Picnic will be start around 5:00 p.m. with the food served around 6:00 p.m. and will again be held at the Jefferson Township Park on Webster Road, east of New Haven. The club will provide the hamburgers and hotdogs, chips, and drinks. Salads, desserts, and other goodies will be a pot-luck carry-in. Charles, KC9MUT, our great chef at the previous picnics, has agreed to bring his grill and cook for us again. The park has a covered pavilion, with seating a picnic tables for around 50 people. You may consider bring lawn chairs, so that you don't have to spend the entire time on a hard picnic table seat.



The ACARTS Picnic is a family affair, so plan on bring your spouse, kids, or grandkids. Let me know if you have any ideas for activities to be held with the picnic. Members of ACARTS, the Fort Wayne Radio Club, and the Fort Wayne DX Association are invited, with a special invitation

to the new hams in the area. The picnic provides an excellent opportunity to have casual conversations and get to know your fellow hams and their families.

I will send an e-mail out around July 15th, to begin taking reservations. We need to have a count as to how many members and their guests will be attending by Monday, August 5th, so that we know how much food to purchase.

Mark the date of August 10th and plan to attend the picnic. I hope to see you there.

73,

Dave Lindquist, W9LKH

President

2019 ACARTS Picnic

Saturday, August 10th

Starting at 5 PM

Jefferson Township Park

1702 Webster Rd

New Haven, IN



July: NO ACARTS meetings in July.

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.

ACARTS Officers

President

Dave Lindquist, W9LKH
260-485-6135
w9lkh(at)comcast.net

Vice President

Jim Boyer, KB9IH
260-489-6700
kb9ih(at)arrl.net

Secretary

Position Open

Treasurer

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ACARTS Managers

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and

Jim Boyer, KB9IH
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ACARTS JUNE 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. No one spoke up.

Dave said there would be no ACARTS meetings in July, that the August board meeting would be a week early, on the 6th, and that the ACARTS Picnic would be on Saturday, August 10th, at Jefferson Township Park.

The program was a presentation by Jim, KB9IH, on the QRP Labs QCZ QRP CW Transceiver kit.

After the presentation, ACARTS gave away a 40-meter version of the kit to one lucky attendee. Mike, K9FT, who did not have a ticket in the pot, drew the winning ticket. The winner of the Transceiver kit was Larry Eckerley, KF9YP.

Submitted by Dave Lindquist, W9LKH.

ACARTS JUNE 2019 BOARD MEETING MINUTES

The meeting was called to order by Dave, W9LKH.

Dave announced that the June meeting would be a presentation on the QRP labs QCX QRP CW kit by Jim, KB9IH, and that the club would be giving away a 40-meter version at the meeting.

He added that there would be no ACARTS meetings in July, and that the August board meeting would be a week early, on August 6th, and the August meeting would be the club picnic on Saturday, August 10th, at Jefferson Township Park.

Dave stated that he was looking for someone to shop for the food for the picnic. Steve, K9SKS, volunteered to pick up the food. Dave said that he would have the count of how many people had made reservations by the August board meeting so he would let him know how much food to get at that meeting.

No other business was discussed.

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

Submitted by Dave Lindquist, W9LKH

July 2019

47th FORT WAYNE HAMFEST

Largest Hamfest in Indiana

2019 ARRL INDIANA SECTION CONVENTION



ARRL Forum - Saturday 10:00 AM

Kermit Carlson W9XA

ARRL Central Division Director

Carl Luetzelshwab K9LA

ARRL Central Division Vice - Director

James Merry Jr. KC9RPX

ARRL Indiana Section Manager

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

- 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

NOV.

16 & 17 2019

SAT 9 AM to 4 PM
SUN 9 AM to 2 PM

Admission: \$6 Sat & Sun
\$3 Sun only
Children under 12 free
(with adult)



Allen County
War Memorial Coliseum
4000 Parnell Ave
Fort Wayne, IN
73,000 sq. ft. all indoors
(Coliseum Parking \$6 per vehicle)

Get the latest information at

www.fortwaynehamfest.com

www.facebook.com/FTWAYNEHAMFEST/

EDITOR'S MILESTONE

As a brand new ham in 2011, I looked around for a local club to join and discovered the Fort Wayne Radio Club. When I downloaded the most recent newsletter from the club's web page, I saw:

Allen County HamNews

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

Still Looking For A New Newsletter Editor

As most of you know, Vic Guess, WB9UZA, our newsletter editor for many years became a Silent Key last November. That leaves the Allen County HamNews without an editor and looking for a replacement.

If you enjoy working on a computer and want to contribute, this could be a great opportunity for you. Just



contact one of the board members of either the Fort Wayne Radio Club or ACARTS or send me an e-mail at n9tb@att.net and let one of us know you are interested.

Tom - N9TB - Interim Newsletter Editor

I never had the opportunity to meet the previous editor Vic WB9UZA (SK). But having some experience with newsletters, I volunteered to take over as editor.

I emailed a sample of how I would do the newsletter if given the opportunity to each of the clubs officers. I got the thumbs up and put together the next issue. If my math is correct, *last month was the 100th issue of the Allen County HamNews for which I have been your editor.*

In the past eight years I've gone from KC9TPF to AB9ZD and recently to K9ZT. Even though we moved to Tennessee a few years ago, I look forward to doing the newsletter each month. And, yes, I do the newsletter for the group here each month as well (plus I now do their web page).

I am looking forward to putting together the next 100 issues.

Ken K9ZT



Carl Luetzelschwab, K9LA

There's no doubt we're approaching solar minimum between Cycles 24 and 25. All you have to do is look at either the sunspot number plot or the 10.7 cm solar flux plot at the Space Weather Prediction Center web site at <https://www.swpc.noaa.gov/products/solar-cycle-progression>. The first question that comes to mind is the title of this month's column – how long will we be at solar minimum? We can make a pretty good guess by looking at recent history and the current data.

How Long Will We Be At Solar Minimum?

Figure 1 shows the solar minimum periods between Cycles 18 and 19 thru Cycles 22 and 23. Per my definition of 'solar minimum' (when the smoothed sunspot number was below 20), we can see we were spoiled by short solar minimum periods of only 24 months or so – in other words, about 2 years.

But Figure 2 shows what happened for the solar minimum period between Cycles 23 and 24 (the thick green curve). It lasted almost 5 years! That was quite disheartening for enthusiasts of the higher HF bands. That's the longest minimum period in our lifetimes – but not in our recorded history back to about 1750 when Cycle 1 started. The solar minimum period between Cycles 4 and 5 was equally long. And the solar minimum periods between Cycles 5 and 6, between Cycles 6 and 7 and between Cycles 11 and 12 were even longer than the minimum between Cycles 23 and 24.

Figure 3 shows the current status of the solar minimum period between Cycles 24 and 25 (the thick red curve). It appears that we are tracking another long solar minimum period similar to the solar minimum period between Cycles 23 and 24. The plot also suggests that official solar minimum will likely occur in late 2019 or early 2020 – when the smoothed sunspot number bottoms out.

The second question that comes to mind is how big will Cycle 25 be? Unfortunately, historical data suggests that the longer we're at solar minimum, the smaller the next cycle will be. Next month we'll look at predictions for Cycle 25. So, enjoy the low bands for the next year or two, and realize that 20m (and 17m to a lesser extent) will still offer worldwide propagation during the day and early evening in spite of being at solar minimum.

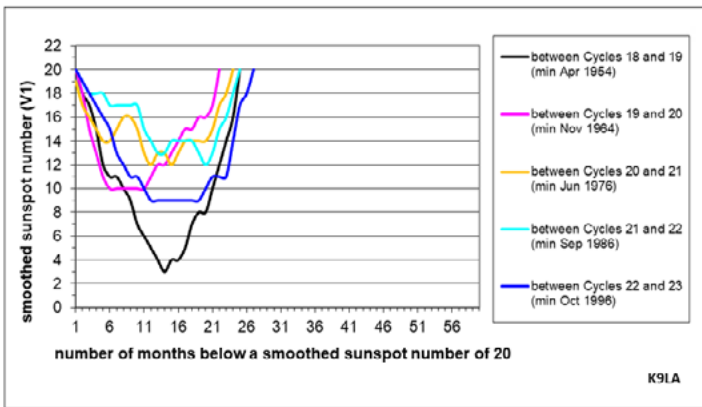


Figure 1 – Solar minimums for Cycles 18-19 thru 22-23

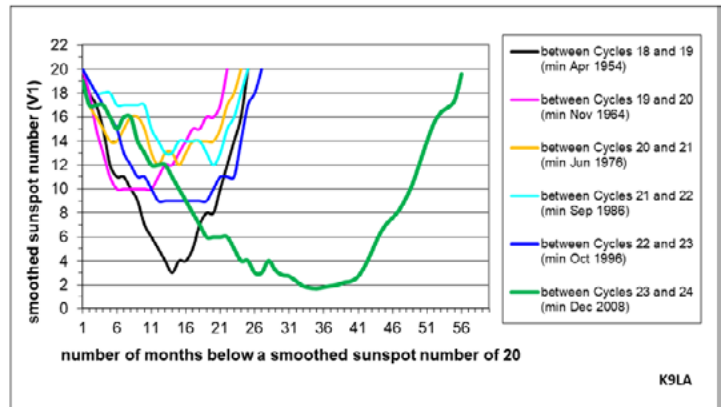


Figure 2 – Solar minimum between Cycles 23-24

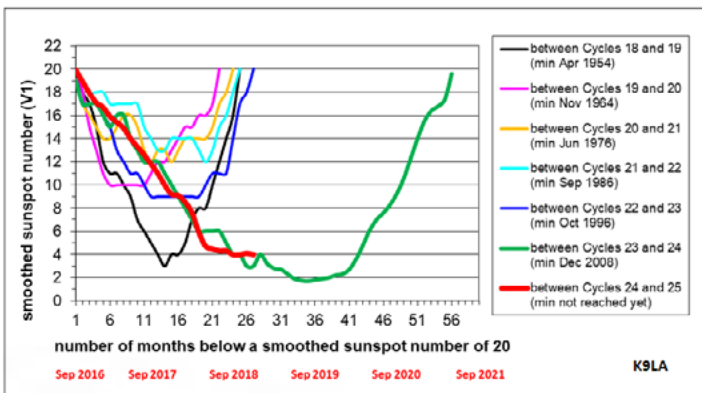
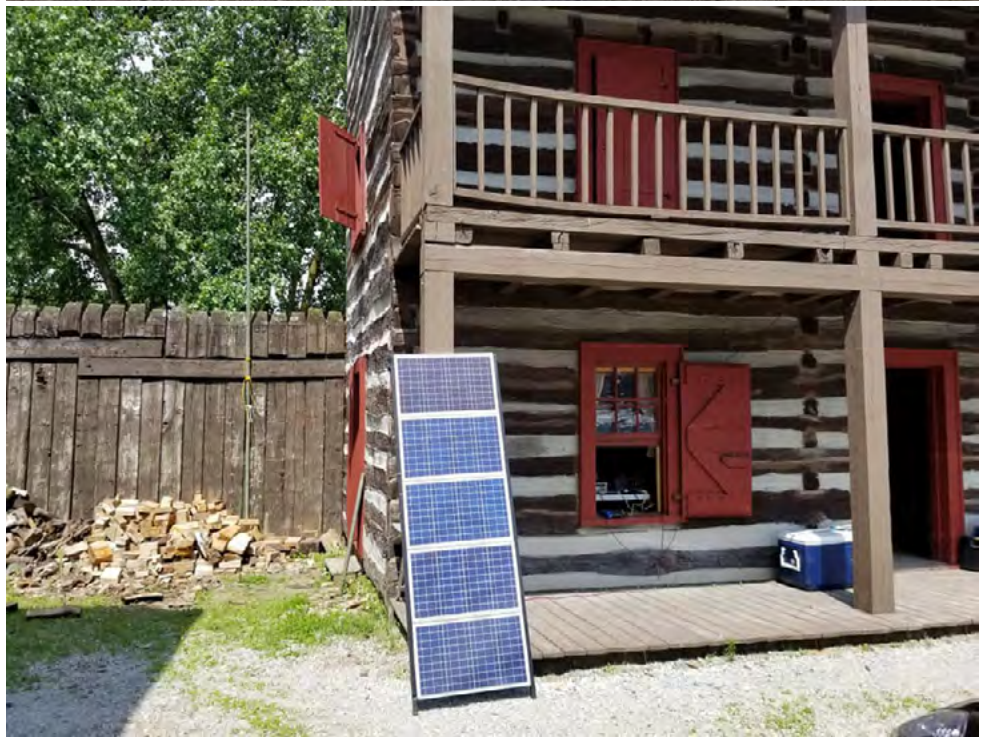


Figure 3 – The current solar minimum between Cycles 24-25



A LOT OF WORKS GOES INTO A SUCCESSFUL FIELD DAY - MORE PHOTOS



THE FOXHUNT CHRONICLES FOR JUNE 2019

It was a beautiful Spring June day on Sunday, the 2nd, and the Fox team of W9SAN, W9LAN, and their grandson, Alex was hiding and waiting on the hunters to find them. At 1:30 pm in the afternoon, the foxes began transmitting on 5 watts of power from their lair behind the Willard Schambaugh Elementary School in the northeast part of Fort Wayne, just north of Rothman Road. The team had parked behind a teacher's new pickup truck in the rear parking lot in the hopes the hunters would miss it as they drove by.

At the starting location, there were three teams of hunters ready to pounce! The teams were Jim and Anne, K9OMA & KA9YYI, Don and his wife Julie, K9LI, and the solo hunter of Charles, KC9MUT. At 1:30 sharp, the high-power transmitting began on 146.430 MHZ FM simplex. Every team immediately picked up the scent, uh signals, and were off in pursuit. Nothing was heard or seen of the hunters until the first team arrived on the scene at about 2:00 pm.

It was Don, K9LI, with his wife, Julie, at the wheel of the car. Julie wheeled into the parking lot with the determination of Danica Patrick trying to make up a lost lap at Indy! Don immediately jumped out with his fox hunting antenna and rig. The low power (40 milliwatts) micro Fox transmitter was running already in its hiding place, which was buried in the mulch beneath the jungle gym in the school playground. The metal jungle gym did a great job of scattering the signal, so determining where it was hidden meant the



Call	Score This Month	Year to Date
WB9SSE	0	9.5
WB9RUS	0	5.5
K9OMA	2	12.5
KA9YYI	2	8.5
KC9MUT	1	18.34
KC9EZP	0	10.67
AB9IZ	0	11.34
W9SAN	4	14.67
W9LAN	4	14.67
Alex	4	10
K9LI	4	9
Julie Glick	3	8
Ed	0	2

hunters had to get INSIDE the gym! Don managed to work his way inside and located the micro fox after several minutes.

Next to arrive was Jim and Anne. Jim got on foot right away and soon made the same discovery of the fox's hiding place. It was now about 2:25 and the last hunter, Charles, KC9MUT, operating alone for this hunt, with some equipment troubles to boot, arrived on scene. He too, was able to crawl inside the jungle gym and locate the fox. Since everyone was successful, we thought we were done, then Don no-

ticed one of his hearing aids was missing! Thus, began a frantic search by all which happily was not needed. Don's hearing aid turned up in his car! The big panic was that his hearing aid was almost the same color as the wood mulch covering the playground (talk about a needle in a haystack!!).

After the hunt, the group headed to the Culver's on Stellhorn Road for tall tales and yummy treats! Why not plan on joining us on July 14 th for the next FWRC Fox Hunt. It is a lot of fun, and you learn a lot about your equipment, and learn a lot about Allen County in the process.

73, Steve, W9SAN

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.

July 14
August 4
September 15
October 6
November 3

WORLD SCOUT JAMBOREE GEARING UP FOR SIGNIFICANT AMATEUR RADIO PRESENCE

Amateur Radio will play a role in this summer's 24th World Scout Jamboree in West Virginia, the first World Jamboree held in North America. The Jamboree has chosen the theme "Unlock a New World." Thousands of Scouts and Scout leaders from some 200 countries are expected to attend. **The Jamboree's Amateur Radio Exhibit will use the call sign NA1WJ — North America's 1st World Jamboree. It will be on the air during the event, July 22 until August 2,** at the Summit Bechtel Reserve, hosted by Canada, Mexico, and the US. Amateur Radio testing is expected to begin as early as July 14. Operating frequencies will be posted in real time via Facebook and Twitter or via an NA1WJ

email group.

"The goals of the Amateur Radio station at the World Scout Jamboree are to introduce Amateur Radio to Scouts and Scout leaders through hands-on participation in two-way communication with other stations across the globe. This activity will also serve as the Amateur Radio voice of the Jamboree," the World Scout Jamboree Amateur Radio Exhibit Operational Vision document states. Other facets of Amateur Radio at the Jamboree will include Amateur Radio direction finding (ARDF), Amateur Radio satellite contacts, and a scheduled Amateur Radio on the International Space Station (ARISS) contact

with an ISS crew member.

"We also expect to launch one or two balloons with Amateur Radio payloads and track them as they cross the Atlantic," the vision document continues.

Organizers are encouraging radio amateurs around the globe to get on the air during the World Jamboree to help NA1WJ demonstrate Amateur Radio for Jamboree visitors.

To read the entire article, go to:

<http://www.arrl.org/news/world-scout-jamboree-gearing-up-for-significant-amateur-radio-presence>



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**.

INDIANAPOLIS HAMFEST

July 12 and 13

Friday 2-7 P.M., Saturday 7 A.M. – 2 P.M.



Marion County Fairgrounds

Admission \$8 - Tickets are good both days

Icom IC-7100 Drawing on Saturday at 2 PM

Hosted by the Indianapolis Radio Club

www.indyhamfest.com

AUBURN HAMFEST

Saturday, July 20 • 9 AM-2 PM

First Christian Church • 910 N. Indiana Avenue • Auburn

Talk-In – 147.015 (no tone)

Admission – \$5.00 Under 12 Free

Includes Free Parking and One Free Raffle Ticket Prizes



- Yaesu FTM 3200 DR 144MHz 65W Mobile with Fusion
- Yaesu FTM 3100 R 65W 2M Mobile
- Yaesu FT 4 XR S#81032108 Dual Band Compact HT
- 3 ARRL Publication Certificates- one each \$50, \$25, \$25

<http://w9ou.org/>

VAN WERT HAMFEST

Sunday, July 21, 2019

Van Wert County Fairgrounds

1055 S. Washington Street

(U.S. Route 127)

Open at 8:00 AM EDT

Tickets: \$5.00, Free Parking

Talk-in on the 146.850 MHz repeater

<http://w8fy.org/>



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

RAC CANADA DAY CONTEST			10-10 INTERNATL SPIRIT OF 76 QSO PARTY			SKCC SPRINT EUROPE		
JULY 1, 0000Z			JULY 2, 2359Z			JULY 4, 1900Z		
1.8-28	50,144	PHONE, CW	28	-	PHONE, CW, DIGITAL	1.8-28	50	CW
VE: RS(T), PROVINCE/TERRITORY. NON-VE: RS(T), SERIAL			NAME, MBR OR "0," SPC			RST, SPC, NAME, MBR OR POWER		
https://wp.rac.ca/rac-canadaday-contest-rules			https://www.ten-ten.org/			https://www.skccgroup.com/		
FISTS SUMMER UNLIMITED SPRINT			IARU HF WORLD CHAMPIONSHIP			4 STATES QRP GROUP SPRINT		
JULY 6, 0000Z			JULY 6, 0400Z			JULY 15, 0000Z		
3.5-28	-	CW	1.8-28	-	PHONE, CW	1.8-28	-	PHONE, CW, DIGITAL
RST, SPC, NAME, MBR OR POWER			RS(T), ITU ZONE (HQ STATIONS: SEND IARU SOCIETY)			RS(T), SPC, MBR OR POWER		
https://www.fistsna.org/			http://www.arrl.org/iaru-hf-championship			http://www.4sqrp.com/index.php		
NORTH AMERICAN QSO PARTY, RTTY			CQ WORLDWIDE VHF CONTEST			SKCC SPRINT		
JULY 20, 1800Z			JULY 21, 0559Z			JULY 24, 0000Z		
3.5-28	-	DIGITAL	-	50,144	PHONE, CW, DIGITAL	1.8-28	-	CW
NAME, SPC/D.C.			4-CHAR GRID SQUARE			RST, SPC, NAME, MBR OR POWER		
www.ncjweb.com			https://www.cqww-vhf.com/			http://www.skccgroup.com/		

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 based 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

Anniversary of "The Battle of Gettysburg"

July 1-10	1200Z-0500Z	WO4L
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<https://www.qrz.com/db/wo4l>

Annual 13 Colonies Special Event Stations

July 1-7	1300Z-0400Z	Many
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<http://www.13colonies.net/>

50 Years - First Man on the Moon

July 14-28	1700Z-2000Z	N1A
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<http://www.w8mrc.com/>

24th World Scout Jamboree

7/22-8/2	0000Z-0000Z	NA1WJ
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<https://k2bsa.net/world-jamboree-na1wj>

EAA AirVenture 2019

July 22-28	1400Z-2300Z	W9W
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<http://www.warbirds-eaa.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
07/09/2019	7:00 PM	FWRC Board Meeting	GSUMC
07/14/2019	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
07/19/2019	7:00 PM	FWRC General Meeting	GSUMC
No ACARTS Meetings in July			
08/04/2019	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
08/06/2019	7:00 PM	FWRC Board Meeting	GSUMC
08/06/2019	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
08/10/2019	5:00 PM	ACARTS Picnic	Jefferson Township Park
08/16/2019	7:00 PM	FWRC Tailgate Hamfest	GSUMC Parking Lot
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