

Allen County HamNews

Fort Wayne Radio Club Fort Wayne DX Association

Allen County Amateur Radio Technical Society

December 2023

Volume 24

Issue 12



Merry Christmas

FROM THE FWRC, ACARTS,
AND FWDXA

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Along with lots of
classifieds, SKCC
news, operating
events, HamCation
2024 information,
and much more!

Hamming It Up With the Editor



Once again another edition of HamNews is out. It seems like this year has zoomed by in many ways. In hindsight, this year had many high points, along with a few low points. Permit me to reflect a few of the high points.

Following club elections last year, Larry, KB9OS and Chris, W9TSB agreed to serve as 2023 presidents of the FWRC and ACARTS, respectively. I would like to thank each of these gentlemen and their fellow officers for their work and dedication during 2023. The new incoming presidents and officers will have big shoes to fill, and I wish them the best. As with past years, I will continue on as your friendly neighborhood newsletter editor into 2024 and probably beyond, God willing.

The 2023 Fort Wayne Hamfest is another one for the history books. Some photos follow on the next page, along with a fun column on some of the hamfest-related happenings by guest columnist, Ted, K8AQM (found later in this edition of HamNews). I was able to sell a handful of goodies and picked up an Icom IC-705 for a reasonable price at the tail end of the Hamfest.

DXing is a particularly favorite pastime of mine. 2023 was an excellent year for working a large handful of all-time-new-ones (ATNOs) for me, including Hong Kong, Singapore, and Nepal.



10m has been frequently open too. Hopefully, propagation will be as favorable (or even better) throughout

the new year of 2024.

One of the personally-fulfilling highlights of my year was being able to work with a group of university students and to introduce them to amateur radio, including with a foxhunt, satellite contacts, and studying for the Technician class exam. One student earned his ticket, and a few will be following suit soon. I hope to share more stories about this in the upcoming editions of HamNews.

As we enter into the Christmas and New Years holidays, please be mindful of any members of our ham community who might be lonely or isolated this holiday season. Share a kind word of greeting or encouragement with someone that you don't recognize on the local repeaters or elsewhere on the air. You might just help to brighten someone's holiday season.

Merry Christmas to you and your family,

Josh W9HT

ALLEN COUNTY HAMNEWS

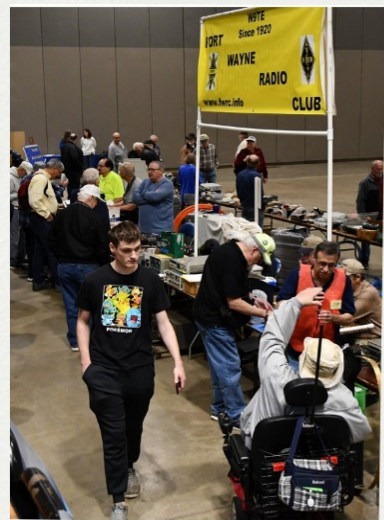
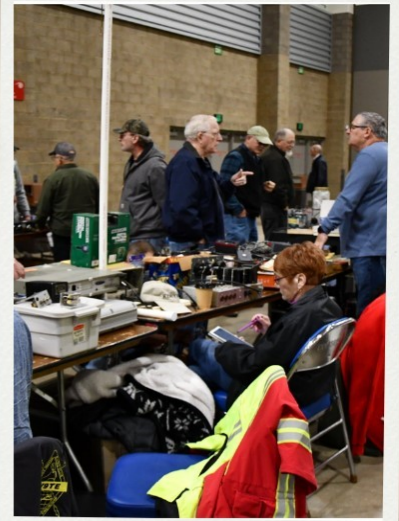
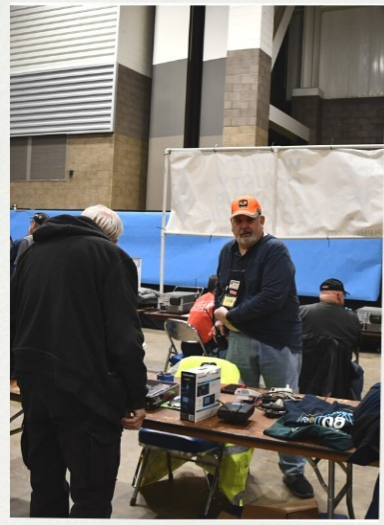
HamNews is a monthly, joint publication of the Fort Wayne Radio Club, the Allen County Amateur Radio Technical Society, and the Fort Wayne DX Association.

Articles are written by members and friends of the three clubs. New submissions for HamNews are always welcome. Please send your information to the editor within two days of the end of the month for inclusion in the next edition.

HamNews Editor
Josh Long, W9HT
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Fort Wayne Hamfest 2023

Fort Wayne Hamfest 2023



EndFed vs. Dipole: Working DX in CQWW (FL style)

de Ken-N8KR/4

I have never been a big fan of the endfed antenna. Even though it works, it does not perform as well as a resonant dipole. Here at my Florida QTH space is limited. Lots are 80 feet deep and 45 feet wide: just enough for a double wide and driveway! I've been running a fan dipole for 10-40 meters – with just enough room to fit on our property with a little help from my neighbor's TV antenna support! 80 meters is difficult with our small property. With a good recommendation I decided to purchase the Vibroplex PAR ENDFEDZ 80-10-JR-KW antenna which is only 72 feet long: just long enough to fit on our property. The antenna is well built, has traps, is resonant on 10, 15, 20, 40 and 80 meters with the center frequency on 80 at 3.550 – CW band! With a kilowatt rating, it should be able to handle my little 500 watt amp. I used it for the first time last winter for some SKCC events and it made many 80 meter contacts. This year I decided to try it during the CQWWcw contest with a focus on working DX on 80 meters. Follow-

ing the manufacturer's directions, I ran the feed end up to the top of my 30 foot mast and stretched the radiator out and across the street to a telephone pole. (80 meters is a night time band: it was dark, most people are either not down here yet or in for the evening so no one ever noticed!) SWR was great on all bands with NO tuner needed. I worked DX (300 watts out) on 20 and 40 with ease but when it came to 80 meters, no DX, other than Canada could hear me. I listened to European DX stations at S-9 and called and called and called. The antenna was broadside to Europe and my counterpoise exactly as specified. I made some changes including reconfiguring the antenna to look like an Inverted Vee. Still no DX on 80. The other bands worked well, though. I took the antenna down the next day and decided to build an 80 meter dipole.

Saturday evening around 7pm, I ran the center connector of my new 80 meter dipole up the 30 foot flagpole. With the help of Debbie, I got the antenna legs trimmed so that I had a resonant dipole not needing an antenna tuner. One of the 66 foot-long legs ran across the street to the same telephone pole I used

for the endfed. The other leg went over my neighbor's trailer to a tree in his back yard. (good neighbor with his permission) By 8pm I was ready to give it a try. With 300 watts I began working DX on 80 meters. By 9:30 I had worked 60 stations representing 38 countries. 50+ were from Europe and a few from the Caribbean and Canada. I turned the amp off and, with 50 watts, worked France and Italy!

If I had room for only one wire antenna, the Endfedz 80-10 would be my first choice. With 2 traps on the 72 foot resonator and its power rating AND not needing a tuner, it will perform quite well. For working DX on 80 meters it falls short compared to a resonant 80 meter dipole but with a 80 meter dipole, you're limited to that one band without an external tuner. My fan dipole (10,15,20,40) is back in the air and I'll wait for ARRL DX to put the 80 dipole back up.

If you're interested in the Vibroplex PAR ENDFEDZ, visit DX Engineering.



Hamsplatter

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



I would like to invite all of my ham friends to the Christmas banquet on Friday, Dec. 8. It will be at the Good Shepherd UMC on Vance Avenue. There will be a short meeting and a recognition of silent key K9EA and his family at 6pm. We will start serving food at 6:30pm. The Club will supply chicken and utensils. Please bring your favorite dish to share.

Well, it's time to say goodbye as your FWRC president. Looking back on last year there were a lot of things that were happening. On a positive note, we have 150 members and almost \$30,000 in the treasury. This is an exceptional record for the club. I want to thank all the people who helped the multiple projects through the year. We could not have completed the projects without the volunteers that stepped up. I would also like to welcome the new officers for the year 2024 and hope they find the new projects challenging but fulfilling as I did.

At the beginning of the year, we put out a survey of what the members would like to see in 2023. In summary, we accomplished 9 out of the 11 that were ask for in the survey.

The following represents items on the original survey that I provided to the club in January and a list of some additional projects that came along during the year:

- Using your credit card for membership payments (not accomplished)

- Sign-out go-box, possibly funded by an ARRL grant (accomplished, privately funded, and constructed).
- Winter auction (accomplished)
- Summer tailgate hamfest at PFW garage (accomplished)
- Monthly speakers and/or tours of commercial facilities, field trip (accomplished)
- Group trip by bus to Hamvention (not accomplished)
- Working with other groups: Fort Wayne Hamfest, tandem bike marathon, and IT 100 at Chain of Lakes Park (accomplished)
- On the Air Swap and Shop Net (accomplished on 146.91 repeater on Sunday nights)
- Morse code involvement and/or classes (not accomplished)
- Working with youth group (accomplished at PFW science fair)
- Sale of antenna, towers, and estate equipment (accomplished)
- ARRL Field Day 2023 (accomplished)
- Special Event Station in August at International Harvester event (accomplished)

Christmas Party & General Meeting this month

Read Larry's article for more information this month!

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- Loaned equipment and assisted in restoring the use of the 146.88 repeater (accomplished)
- FWRC 100 years anniversary and archive project (accomplished)

I hope to see you at the Christmas Party on Friday, December 8th!

73,

Larry, KB9OS

FORT WAYNE RADIO CLUB MEETING MINUTES

10 NOVEMBER 2023

The November meeting of the Ft. Wayne Radio Club was a field trip that was held at the Ft. Wayne facilities of Jensen Hughes, a fire protection engineering company located off Hillegas Rd., across from the channel 39 broadcast facilities. The meeting started at 6:30 pm. Our Jensen Hughes host was Kevin Hecksher, (W9KMH).

President Larry Temenoff (KB9OS) welcomed all attendees (about 16), and had everyone introduce themselves by virtue of their name & callsign.

Bob Streeter, W8ST provided the Treasurer's report as of 10 November 2023 indicating the following account balances:

Savings-	\$502.42
Checking-	\$9,686.43
Vanguard Money Market-	\$17,032.24

Year-to-Date Income-	\$9,510.50
Year-to-Date Expenses-	\$4,248.15
Club members-	149
Prepaid 2024 members	20

Larry discussed a proposal to increase the Board of Directors discretionary spending limit, currently limited at \$150.00 by the club's constitution, to a revised limit of \$600.00. This proposal will be addressed in an article in the upcoming December Allen County HamNews and will be discussed at the December 8th club meeting/Christmas banquet and be put to a vote.

Larry noted that the auction of the Dan Michnay, (K9EA) estate items had gone quite well with most of the eighty odd items sold so that very few items would need to be hauled to the Fort Wayne Hamfest for offer to the public. He thanked Steve Nardin for honchoing this activity.

Larry also noted that one item from the K9EA estate, a homebrew power supply, had had an offer of \$100.00 from Ken Rogner, (N8KR). Larry asked if there were any other persons interested in this item. No one expressed any interest so the power supply will go to Ken for \$100.00.

Using Jim Pliett (K9OMA)'s and Larry's trailers, the remaining material from the K9EA estate identified to be taken to the Hamfest, and the material identified as scrap will be picked up at K9EA's at noon on November 16th. Jim Pliett will take the scrap material to a recycling facility in Whitley County where we can dispose of it at no charge while Larry will haul the material

headed for the Hamfest in his trailer. The Hamfest material will be transported to the Coliseum of Friday the 17th and placed on the clubs tables.

In recognition of the donation to the club of the K9EA estate material Larry suggested that we recognize this gesture by inviting Dan's family to the Christmas banquet. Everyone agreed that this was an appropriate suggestion so Larry will coordinate with Dan's family.

Dan Dahms, (N9WNH) asked if the Hamfest could plan on utilizing one of the FWRC repeaters as a back-up to the 146.88 repeater in case it should go down during the Hamfest weekend. Larry and all present saw no problem with this request and suggested that the 146.91 machine be identified as the back-up.

Following the business meeting Kevin Hecksher, (W9KMH) provided a thoroughly interesting presentation on the care and feeding of modern (Lithium-Ion based) batteries including details on their failure modes. He addressed some of the history associated with the occurrence of fires with the use of this new technology and the importance that should be employed in charging them and managing their thermal environment. They are definitely different from that of the old lead-acid technology and you have to treat them differently.

The meeting concluded about 7:50 pm.

Respectfully submitted,

Al Burke, WB9SSE

Secretary, FWRC

November 2023 FWRC general meeting at Jensen Hughes



State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

**FROM THE
ACARTS
PRESIDENT**

CHRIS, W9TSB



- Director at Large 2: Jim Bassett, W9YME, nominated and unanimously elected.
- Director at large 3: Howard Fletcher, N9ADS, nominated and unanimously elected.

Hello all!

I hope everyone enjoyed the Hamfest and had a great Thanksgiving; I know I sure did! I ate way too much food ,but got to spend a lot of time with my 2-week-old grandson.

Our November General Meeting was our club elections, and our 2024 Board of Directors are as follows:

- President: Dan Dahms, N9WNH, nominated and unanimously elected.
- Vice-President: Chris McCullough, W9TSB, nominated and unanimously elected.
- Secretary: Stuart Hall, KD9LFW, nominated and unanimously elected.
- Treasurer: Kevin Hecksher, W9KMH, nominated and unanimously elected.
- Station Manager: Jim Sampiere, KD9NPL, nominated and unanimously elected.
- Fundraising Manager (Hamfest Manager): Fred Gengnagel, KC9EZP, nominated and unanimously elected.
- Director at Large 1: Steve Shannon, K9SKS, nominated and unanimously elected.

This is the first time in a while that all board positions have been filled. Wish us all a great 2024 for the club!

We also appointed our audit committee. This committee will be auditing the clubs financial standing as well as club owned equipment. All audit actions will begin January 2024.

We will be having our Christmas dinner on the 19th of December at 6:00pm at the Liberty Diner. This will take the place of our general meeting for December.

We will have a Board Meeting on December 12th via Zoom. The link for the meeting will be sent out the weekend before the meeting. We will be reviewing the final bits of data from the Hamfest and hope to have more to share about in January's newsletter.

Have a GREAT Christmas and a Happy New Year.

.73,

Chris, W9TSB

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2023**

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Is That Length of Coax Good?

Carl Luetzelschwab K9LA

In the August 2015 FWDXA column in the Allen County HamNews (titled Name That Core), I mentioned that I had a bunch of cores in the garage, and I didn't know what many of them were. Using data sheet information on various ferrite cores, I showed a way to determine with reasonable accuracy the permeability of the core in conjunction with a MFJ-259B analyzer.

It's about 8 years later, and I have many lengths of coax hanging up and laying around in the garage. Many of these are old pieces – decades old. I wondered how good they are. Is there an easy way (like the ferrite core measurement) to determine if the length of coax is still okay?

Yes, there is. The parameter that's important is the loss of the length of the cable. Is it what it should be (from the cable's spec sheet)? Or is it significantly more – which may indicate a water intrusion issue?

A well-published way of measuring the loss of a length of cable

is to measure the SWR of the cable with the far end open-circuited, and calculate the loss from that measurement. Either the equation $L = 10 \log \left\{ \frac{(SWR+1)}{(SWR-1)} \right\}$ or the graphical solution in the accompanying figure can be used.

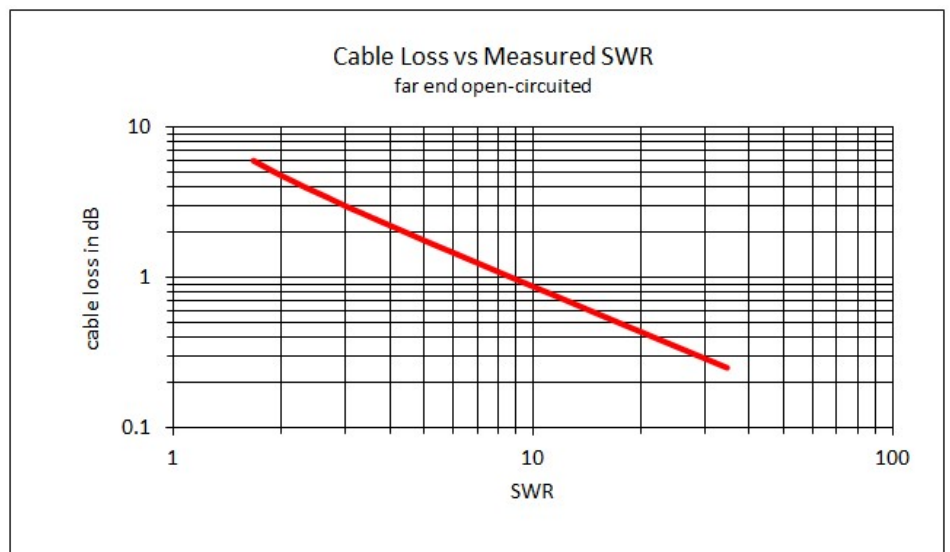
Here's an example. I have a 50-foot length of RG-58. With the far end open-circuited, my MFJ-259B measured the SWR as 7.5:1 at 10.0 MHz (I used 10 MHz because that's one of the spec frequencies usually given for coax). That translates to a loss of 1.12 dB. From RG-58 specs, the loss at 10.0 MHz for a 50-foot length could be anywhere from 0.50 to 0.75 dB depending on the maker of the coax (from Table 23.1 in the 25th Edition of the ARRL Antenna Book).

Does my measurement suggest my length of coax is bad? I don't think so because there are some caveats with this measurement technique. Two issues are detailed in the article titled "Measuring Cable Loss" by Frank Witt, AI1H that appeared in the May/June 2005 issue of QEX (this article can be downloaded at <https://www.arrl.org/files/file/Technology/tis/info/pdf/0505qex044.pdf>). A third is-

sue is the accuracy of the SWR measurement. A fourth issue is measuring short cables – the resolution may not be good enough for very low loss. A fifth issue is since this method results in a high SWR on the coax, there is some additional loss due to the high SWR.

The bottom line is that this technique is a ball-park measurement. If you want results to several tenths of a dB, it would be best to use lab-grade equipment (such as calibrated watt meters).

Two final comments. First, I had a 100-foot length of RG-8 that I thought was good. But it showed significantly more loss than the spec. When I took the UHF connectors off and stripped back the jacket a bit, the braid on each end was not shiny copper – it was black. Water intrusion ruined the coax. Second, after going through all of this, I remembered that my MFJ-259B has a "coax loss" mode. Thus, the equation given earlier and the accompanying plot are moot – let your antenna analyzer do the work!





November

The November Foxhunt occurred on Sunday, November 5th, a remarkably mild and beautiful day for this late in the Fall, Somehow one suspects that later this winter we will pay the price for this good fortune. But since this was the last foxhunt of the 2023 foxhunting season, we won't have to worry about it until February rolls around.

There were two foxhunting teams. The first comprised of Linda and Steve Nardin, W9's LAN and SAN. The second team consisted of Charles Ward, KC9MUT and his hunting mate Angie, and they were aided by his suite of vehicle mounted high-tech direction finding / locating equipment that he was quickly learning how to use to great effect. (More on this later). Both teams were located at the foxhunting starting point in the 24/30 Surplus Center parking lot off Coliseum near Lakeside Golf Course.



The role of the fox for was provided by Jim Pliett & Annie Pliett, K9OMA and KA9YYI plus Al & Carole Burke, WB9's SSE & RUS. They were hiding out at the Mayhew

Bridge Public Access boat ramp on the St. Joe River off Mayhew Rd. at 41.1678904,-85.073546. They buried the microfox under several inches of the ballast rock that lined the edges of the concrete boat ramp.



The high power (about 30 watts into a roof mounted quad) fox, and the microfox (about 100 milliwatts into a short vertical antenna) started broadcasting as planned at 13:30 EST on 146.430 MHz, the high power fox on the air for one minute every five minutes while the microfox broadcast for one minute every two and one half minutes. Jim and I noted that the microfox third harmonic (439.290 MHz) was quite strong.

Both teams heard the high power fox from the get-go. Charles and Angie headed north on Coliseum then north-east on Clinton following Charles's DF bearings and more or less drove directly to the fox hide site, arriving about 20 minutes after the hunt began. He heard the third harmonic when he crossed over the St. Joe River via the Mayhew Rd. bridge.

unknown to Steve and Linda their roof mounted yagi bore-site and compass -rose were out of alignment by about 40 degrees and so

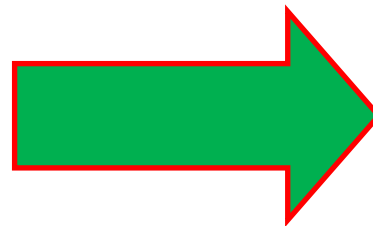
they turned north on Coliseum and then east on State and started going around in circles because of the bore-site / compass rose misalignment.

Charles and Angie found the microfox about 20 minutes after have arriving on site. (The microfox were not easy to locate under those ballast rocks). Steve and Linda found it about 15 minutes after they arrived.

Jim and Al took careful note of how quickly Charles had localized the fox using his fancy-smancy high-tech equipment. (It was rumored that Jim, having spent a good part of his career at Magnavox in Electronic Warfare systems development might just know a few techniques at jamming and spoofing that could come in handy....hee,hee).

Following the hunt everyone bugged out to the Casa Grande Mexican Grill at Pine Valley. This place really serves scrumptious south of the border cuisine and everyone walked away satisfied and full!

Plans are to restart foxhunts in February although we may change how foxhunts are organized. We want to involve more people in foxhunting, get more teams out there searching. We have a few months to decide what we will do.



The year-end scoring matrix is shown below. Charles will once again take charge of the FWRC Foxhunting traveling plaque for the CY 2023 hunting season.



FOXHUNTER	NOVEMBER	YTD
K9OMA	1	15
KA9YYI	1	8
WB9SSE	1	13
WB9RUS	1	8
KC9MUT	3	19
ANGIE	2	9
W9SAN	1	15
W9LAN	1	11
ALEX	0	9
HALEY	0	7
W9TSB	0	5
KD9NPL	0	5
KC9GAS	0	4
KD9OPA	0	4

So, see you in February. Think seriously about getting into the hunt.

73,

Al Burke, WB9SSE





Destination – Outer Space

Hello my fellow radio bugs. Welcome to December! In 31 days, 2023 will be one for the record books and 2024 will arrive with new projects and new dreams. But first, we need to welcome in the Christmas season, and part of that welcome involves another edition of *Tuning Up*.

This month's column is a quick look about a fascinating experiment which occurred some years ago, involving space communications. The experiment which was carried out has unique implications for radio amateurs interested in space comms, particularly those looking for the next big challenge.

The Background

All the way back in 2009, a group of German amateur radio operators carried out a successful attempt to bounce a radio signal off of the planet Venus. The attempt required some heavy-duty equipment, with an article on the ARRL's website detailing a power output of 6,000 watts used by the German team. A link to the full article is provided here. <https://www.arrl.org/news/german-amsat-team-transmits-receives-signals-from-venus>.

One of the interesting aspects to this experiment is the implication

that the reflections of the radio signals were detected using not aural reception, but visual reception. The ARRL article refers to the Germans using a "FFT" process for signal reception, with the mode of transmission consisting of a Morse Code transmission sending the word "HI." The intriguing portion of this story, at least for me, is this idea of using visual means of detection. As most Earth-Moon-Earth (EME) radio amateurs can attest, much of EME communications revolve around digital modes and visual detection of EME signals. Only the most powerful stations with the largest of antenna arrays can receive an audible reflection of a signal from off the moon. For many radio amateurs, EME communications are the practice of extreme dx'ing, with only the faintest whisper of a signal being received during any given contact.

This concept – visual reception of radio signals – coupled together with digital-mode signal processing is one of the core ideas that will, quite possibly, form the backbone of future space communication exploits of the radio amateurs of tomorrow. EME has become a rather common phenomenon within the amateur radio world (albeit relatively few radio amateurs have actually pursued such EME communications.) With the renewed and even invigorated interest by NASA and other space agencies for manned missions to Earth's near neighbors – the moon and Mars – weak signal communication experience and knowledge will only increase in its value and practicality. With experiments like those conducted by the German amateurs in 2009, radio amateurs stand to forge a tremendous partnership between agencies like NASA and radio amateur

organizations, such as the ARRL, AMSAT, and private clubs/individuals.

Radio amateurs hold a unique position in the world of radio communications – we don't have nearly the red tape or regulations governing our experimentation that a government or commercial organization must follow. The sheer number of frequency privileges alone place the amateur radio service at a complete advantage over almost any other kind of hobbyist organization in existence to this day. I would like to encourage my fellow radio amateurs to consider what other experiments we could try that would further these kinds of communication tests. Do we really have EME down to a "science," or are we merely looking at the tip of the iceberg.

Although I cannot say anything official at this time, I can say that tests like those conducted by the German radio amateurs serve as great inspiration for a new project underway at PFW. Although nothing as spectacular as the EVE communication test is currently planned, the current project at PFW should result in a unique tool that will further such weak signal communication tests. When can I release more details on that project? Well, keep your eye on this column. 2024 should bring some great news to the northeast Indiana radio amateur community. The sky is truly not the limit...



.73 de Jim AC9EZ

Fort Wayne, IN Hamfest November, 2023

—Ted, K8AQM

The Fort Wayne, IN hamfest provides an excellent gathering place to enjoy oneself among lots of “needed” items for the hamshack. Everything from boat anchors, high tech gear, parts and computers are there.

The greater Fort Wayne area has one of the largest and most active SKCC groups. According to records there are over 70 members in the area and “many” are Senator status! Familiar calls from the group include; W9HT, N9SE, N8KR, WA9BBN, AC9XS, KA9GKE, K9FW and NE9EE.



The SKCC group photo Saturday at noon. Unfortunately Rose KA9GKE, missed the photo and she certainly would have been “the rose among us thorns!” 50 members signed in and 7 new members were registered.



But it’s not just their hamfest activities; after the hamfest they get together with the Fort Wayne DX Association and reserve a banquet room and have a very FB dinner. Just check out their menu options below. Both groups get along well together and a short (very short) address by the leader of each group offer support and information to each group.

As you may have read earlier in *The Rag Chew*, Ken N8KR is one of the new nominees selected to the SKCC Honor Roll. The local SKCC guys made a small plaque to present to and honor Ken for this excellent SKCC Honor Roll achievement.

The picture on the right was taken in the N8KR hamshack. Who among us has “pinball machines” to pass the time when the bands are folded! Sheez, some guys have all the toys!

Finally, if you’re anywhere near Fort Wayne next November, come join the gang at the hamfest! You won’t be sorry!





SKCC
Straight Key Century Club



FORT WAYNE DX ASSN

WELCOME TO THE 2023
FORT WAYNE HAMFEST DINNER

ENTREES

PRIME RIB

10 OZ HOUSE SPECIALTY SERVED WITH OUR SIGNATURE HORSERADISH CREAM #52

CHICKEN HERB

BROTHED WITH ROASTED TOMATOES, RED ONIONS, PORTABELLAS, ASPARAGUS, & WHITE CHeddar CREAM #22

ATLANTIC COD

PAN FRIED, SERVED WITH HOUSE MADE TARTAR SAUCE #22

SALAD

FACTORY HOUSE

(SALAD, FRENCH, BLUE CHEESE)

SIDES

RED SKIN GARLIC BAKED POTATOES

CLASSIC BAKED POTATO

DESSERT

GERMAN CHOCOLATE CAKE #7

BUTTER PECAN NY STYLE CASSEROLE #6

Local

SK CC
Straight Key Century Club

News

November 2023

Results from the Fort Wayne Hamfest: 52 SKCC members signed the sign in sheet including the 6 new members that joined the SKCC at the Hamfest. The two who are from the Fort Wayne area are listed below.

New members: NT9F, WB9NOO

Operating Activities during the month include the following

For the Weekend Sprintathon (WES) on November 11-12, the following local operators participated. QSO count is shown.

- | | |
|-----------|-----------|
| KC9UR 132 | W9HT 42 |
| AC9XS 119 | W9GOO 18 |
| N9SE 90 | WG9K 17 |
| N8KR 78 | N9DGL 16 |
| WB9EAO 71 | WB9TYJ 13 |

For the Two Hour Straight Key Sprint (SKS) on Tuesday evening, November 22, 7-9 PM local, the following local operators participated. QSO count is shown.

- | | |
|----------|----------|
| NJ0U 46 | N9DGL 20 |
| W9HT 39 | W9GOO 20 |
| KR9U 27 | N9SE 5 |
| AC9XS 28 | WB9NOO 2 |
| NE9EE 22 | |

73,

Ed, WA9BBN

2023
OPERATING EVENTS

- DEC 9-10** ARRL 10M CONTEST
- DEC 9-10** SKCC WEEKEND SPRINTATHON
- DEC 17** ARRL ROOKIE ROUNDUP CW
- DEC 30** RAC WINTER CONTEST
- JAN 1** STRAIGHT KEY NIGHT

This information comes from the WA7BNM Contest Calendar at contestcalendar.com and is gratefully acknowledged. It is deemed accurate as of the time of publication.

SKCC

2 Hour Sprint
1 2 / 2 7 , 0 0 - 0 2 z



This section of the Allen County HamNews is available for local hams to list any ham radio related gear for sale or to place any ham radio related want ads.

Listings are posted for one month, but can be renewed upon request of the editor.

Please see page two for contact information.

ICOM ID-31A D-STAR/FM UHF handheld transceiver. UHF only. Up to 5 watts output. Built in GPS receiver. Programmed for Fort Wayne's D-STAR repeater and all Fort Wayne UHF FM repeaters.



Includes drop-in charger, new in box OPC-2350LU programming cable (\$57 value), LC-178 case



(\$10 value), two BP-271 1150 milliampere-hour battery packs, and a 32-megabyte SD card. Was working great when I replaced it with an ID-51A plus. \$225.

Contact Jay Farlow, W9LW, w9lw (at) arrl.net.

HV-6V Butternut 80/10 vertical \$165 (pickup in Columbia City)



K4KIO Hexbeam 20m thru 6m \$350 (still on tower in Columbia City)



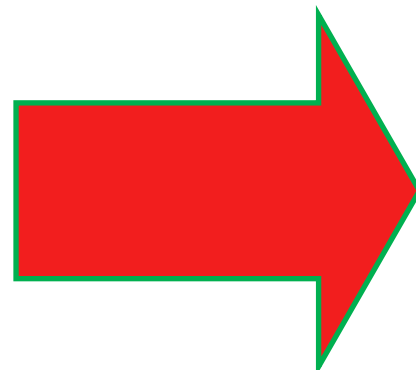
Hammarlund HQ 170A \$75



Hallicrafters SX-100 \$75



Contact Bill, K3HZP at hzp_electronics (at) juno.com.





N9QR Ham gear for sale: I'm hanging it up. All equipment is in good shape and working. It all needs a new home. Located about 3 miles south of the airport off Bluffton Road.

Reasonable offers will be considered and appreciated. I can be contacted at mikes2125 (at) outlook.com

Yaesu FT-1000 MP Mark 5. Gone through by Byron Campbell WA4GEG late last year. Excellent condition. Not much use since Byron returned it. New display back light and some other WA4GEG mods. Includes the FP-29 Power Supply and the SP-8 Speaker. Heil Pro-set Plus headphone/Mic. Nye Navy straight key with cable. Heil Gold line mic with stand and cable, Heil hand control actuator, original radio manual and boxes. Have Box for the SP-8 but no inserts. \$1200

Nye Viking MB-V-A Tuner. Excellent condition. \$250

Heathkit SB-610 Monitor Scope with manual. Good condition and working well. \$75

Nye Viking SWR/Power meter (3000 Watts) with 150 KW adapter also, original docs and power supply. Dials are yellowed but it works as it should. I've had it in use since about 2008 in a non-smoking shack. \$100

Vibroplex chrome iambic key with cable and original box. \$100

Hustler 5BTV antenna. Brand New in the box and GigaParts optional coax connection assy brand new. I was going to put this up after I lost all my antennas in last years Derecho wind but have decided to get out of Ham Radio. \$500

150 Ft of new AMR 400 Coax with UHF connectors. \$150

Box of coax. RG8, RG58, assembled jumpers, audio cables, and more. FREE Pick up only and taker MUST take it all.

120 Ft + of used RG8 coax in good shape. Was used on my dipole that the wind took down last year. \$75

Heathkit Cantenna. Original and unassembled. Original box. \$50

VCI solid state 1 KW dummy load. \$50

Nye-Viking Low Pass filter in original box. \$25

Dual band Baofeng dual band HT. Used very little. Model UV5R7W. With program CD and interface cable. \$20

2 APC brand AC 620 VA UPS units. One in original box with battery (uninstalled) and one without box or battery. Both work fine. \$75

C&S Engineering front end saver. Fair cosmetics but working fine. No PS. \$10

Approximately 200 plus ft of RG8 coax. Used but in good physical shape. \$30

Astron RS-35M Power Supply in excellent condition with original box. \$100

Flag antenna I bought about 10 years ago but never put up. Well made. 80 meters I think. \$25

Isolation transformer model ISO-300. 300 Watt rating in original box. \$25

Collins power cable with both male and female ends plus a spare male end. \$25

Heathkit SG-1271 Function Generator in good condition. \$25

HP 8640B Signal generator. Diode in the protection circuit bad. \$50

Approximately 200 tubes. Most are 7 pin used in Collins and Drake equipment. Also included are 6146, 6jb6, 5U4, 5R4 and others. Many are NOS the rest have been tested on a TV7 as good. One shoebox of pulls untested 7 pin. Take them all for \$100. NO PICKING OVER-TAKE ALL OR NONE.

Several antique broadcast radios from the 30s and 40s. Consoles and table radios. Most are unrestored. A few are restored. Fire sale prices. \$25 and up. Most are complete, restorable and include all tubes and original knobs.

Area Nets (updated as of 12/1/23)					
Daily			Tuesday		
8:00 AM	3.535	Daily (QIN) Indiana Section CW net	7:30 PM	147.150+	21 Repeater Group Net (97.4 PL)
8:30 AM	3.912	Daily Indiana Traffic Net	8:00 PM	50.580 USB	FWRC 6-Meter SSB Net
6:00 PM	3.910	Daily Indiana Traffic Net	9:00 PM	146.940-	Allen Co. ARES Training Net (141.3 PL)
6:30 PM	146.880-	IMO (alternate is 146.940)	Wednesday		
7:00 PM	147.015+	Tri State Two Meter Net	--	--	--
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
9:00 AM	3.820	Little Red Barn Net	--	--	--
Sunday			Thursday		
8:00 PM	444.550+	Whitley Co. ARC Sunday Night Net (141.3 PL)	8:00 PM	D-STAR	Indiana D-STAR net (Note 3)
8:30 PM	146.910-	"No-Name" Net also on EchoLink Node number 519521	8:00 PM	50.580	AM 6-Meter AM Net
9:00 PM	145.53 simplex	Northeast Indiana Packet Net 1200 baud (Note 2)	8:30 PM	145.510 simplex	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(141.3 PL)

1. All times local time. **Any changes or corrections should be submitted to the newsletter editor at drjoshlong (at) gmail.com.**
2. NEIPN is direct accessible via any BPQ Chat Node (or through Node hopping etc.) via other packet frequencies in this area and other areas through other nodes (it is locally direct accessible on 145.53 in NC & NE Indiana/NW Ohio and SE Michigan using KA9LCF-11, KC9VYU-11, N9LCF-11, N9PXO-11, K9BIF-11) Most BPQ Nodes use an SSID of -11.
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>

Area Repeaters (updated as of 12/1/23)							
Frequency	Offset	Tone/Notes	Callsign	Frequency	Offset	Tone/Notes	Callsign
				442.6375	+5 MHz	MDR CC1	N9MTF
145.330	-0.6 MHz	141.3	W9FEZ	442.99375	+5 MHz	D-Star W9TE-B	W9TE
146.880	-0.6 MHz	--	W9INX	443.100	+5 MHz	DMR CC1	K9MMQ
147.255	+0.6 MHz	--	W9INX	443.275	+5 MHz	P25 NAC # 293	K9MMQ
146.760	-0.6 MHz	141.3	W9TE	444.250	+5 MHz	141.3	W9AVW
146.910	-0.6 MHz	--	W9TE	444.800	+5 MHz	--	W9FEZ
146.940	-0.6 MHz	141.3 FM /	W9TE	444.8750	+5 MHz	141.3	W9TE
224.780	-1.6 MHz	--	W9FEZ				

FWRC Membership Application

Name: _____ Call Sign: _____
 License Class: _____
 Street address: _____ City: _____
 State: _____ ZIP: _____ Phone #: (_____) _____
 * Email address: _____
 * (@arrl.net domain is unreliable. Please use an alternate email address if you have one).
 ARRL Member? _____ (ARRL membership helps the club maintain ARRL affiliation)
 May we list your name, call & email address in our membership roster & on our club web site? Yes or No

Fort Wayne Radio Club dues:

Regular membership	\$25.00 / year
Family membership ¹	\$35.00 / year
Student membership ²	\$5.00 / year
Associate membership ³	\$20.00 / year

(Memberships for July-December are ½ the stated amounts)

Please attach a check to this form (paying by check is strongly encouraged) made out to:
 Fort Wayne Radio Club (check number _____) and bring to a club meeting or mail to:
 Fort Wayne Radio Club
 P.O. Box 15127
 Fort Wayne, IN 46885-5127

- 1: Please list all names and calls on an attached sheet.
- 2: K-12 or full time student.
- 3: Unlicensed member.

ACARTS Membership Application

Name: _____ Call Sign: _____
 License Class: _____
 Street address: _____ City: _____
 State: _____ ZIP: _____ Phone #: (_____) _____
 Email address: _____ ARRL Member? _____
 (ARRL membership helps the club maintain ARRL affiliation)
 May we list your name, call & email address in our membership roster & on our club web site? Yes or No

ACARTS dues:

Regular membership	\$12.00 / year
Additional family members ¹	\$6.00 / year
Student membership ²	\$6.00 / year
Associate membership ³	\$6.00 / year

(New regular memberships are \$1.00/month)

Please attach a check to this form (paying by check is strongly encouraged) made out to:
 Allen County Amateur Radio Technical Society (check number _____) and bring to a club meeting or mail to:
 A.C.A.R.T.S.
 P.O. Box 10342
 Fort Wayne, IN

- 1: Please list all names and calls on an attached sheet.
- 2: K-12 or full time student.
- 3: Unlicensed member.



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