

# Allen County HamNews

Fort Wayne Radio Club Fort Wayne DX Association

Allen County Amateur Radio Technical Society

February 2024  
Volume 25  
Issue 2

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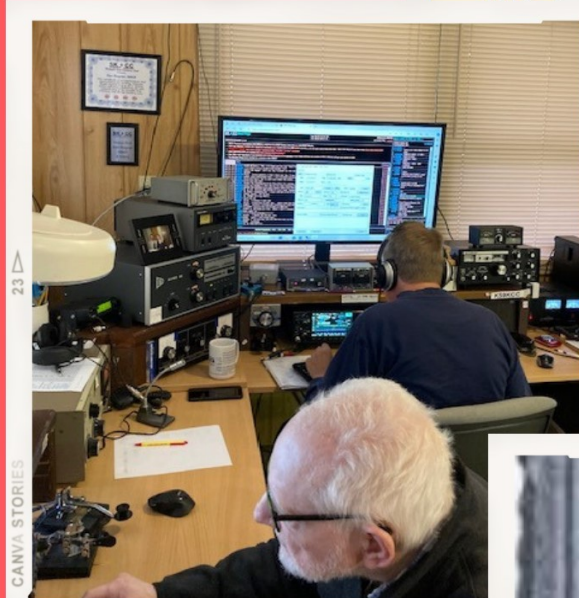
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Along with updated classifieds, radiosport events, local repeater and net information, HamCation 2024 information, and much more!





I discovered a certificate and lapel pin for 25 years of ARRL membership. At first, I thought that a serious mistake had been made. However, I presently realized that this year is also my 25th anniversary of being a ham. Time has a way of zooming by.



Checking the mail has always been a thrill since I was a kid. A few days ago I found a large envelope from the ARRL in my mailbox. Not expecting any deliveries from the League, I was curious to see what the envelope contained. More to follow...

January seems like it zoomed by. I wanted to begin the new year with a short adventure. Late on New Year's Day, I



took my mobile HF gear and drove up to the north shore of Lake Erie close to Pointe Pelee National Park. My goal for this short drive up to Ontario was to operate as VE9FWA for the first time and to participate in the annual K3Y special event that is sponsored by SKCC.

Although the cabin where I stayed on the Lake Erie shoreline sounded like it was in the middle of the North Atlantic during a storm, the highlight of the trip was spending a long afternoon making CW contacts. Propagation conditions were not perfect, but I was able to make about 50 contacts, including with several local stations, including WA9BBN and N8KR (who was not—so local down in 4 land). Despite the fun that was had, let me assure you, kind reader, that the Lake Erie shoreline is cold and blustery on an early January afternoon.

Returning to the envelope from the ARRL,

Each day is a gift. Build the kit or antenna that you have thought about for a long time, but never got around to making. Also, be sure to enjoy amateur radio, the best hobby in the world.

Have a great month of February and catch you on the airwaves!

73,

*Josh W9HT/VE9FWA*

## 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  
drjoshlong (at) gmail.com



# LITTLE RED BARN NET

## Update for January 2024

We had another great month in January on the LRBN - "Little Red Barn Net" - Monday thru Friday at 9:00am or 13:00z on 3.820 mhz. LSB. We have about 12 to 20 check-ins per day, with self-generated topics each day by the check-ins, but Thursday when Jack W9GT picks a topic, and we kind of run with it, a lot of fun. On Friday we have Ron Gregory W9RGM a WOWO celebrity, Ron did the evening show on WOWO years ago, WB9TYJ Don, is filling in for Ron for a while.

Also, we have a lunch every two weeks alternating from North Fort Wayne to South Fort Wayne. We usually have 15 to 25 participants at each lunch.

We had two lunches this month, on 1/4/2024 at the Salvatori's North and on 1/18/2024 at Halls Tavern of Coventry. It is always a great time to eat and socialize with friends.

The next dates for lunch would be 2/1/2024, 2/15/24, 2/29/24.... at 11:30am

on each date.

If you want to be on the LRBN email list, let me know at gmrepair1@aol.com, or message me at 260-437-4676 with your email and call sign or name.

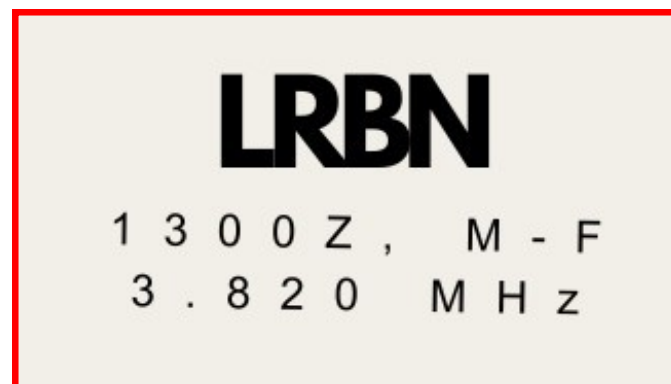
Net control operators are Monday KU8T Tom, Tuesday K9FW Al, Wednesday KD9HAV Norm, Thursday W9GT Jack, Friday W9RGM Ron Gregory now WB9TYJ is covering for Ron till he gets back.

We have a mobile web page at <https://gmrepair1.wixsite.com/mobile>. It works with mobile and computers systems. On the mobile page is much information times dates, pictures of previous lunches and other information

Also we have at [lrbn@groups.io](mailto:lrbn@groups.io). This is where we vote for the next lunch. Let me know if you need help; I can invite you .

Also, our net controls use Netlogger. You may download the program at the Download Center at [www.netlogger.org](http://www.netlogger.org). Also, for smart phones, there is Net Scraper. On the Android, go to Play Store. On iPhones, go to App Store and download this app.

*73, Tom, KU8T*



# ***The Livonia Amateur Radio Club***



## **Swap-n-Shop**

**SATURDAY**

**February 17, 2024**

**Sale hours: 8:00am-12:00pm**



ARRL Sanctioned Hamfest

### **BUY | SELL | TRADE**

- Amateur Radio Gear
  - Computers
  - Electronics
  - Antennas
  - Test Equipment
- Ham shack accessories and more!

**MONAGHAN BANQUET CENTER**  
**19801 FARMINGTON ROAD**  
*(north of 7 Mile)*  
**LIVONIA, MI**

Door Prizes from ARRL  
and

α **ALPHA ANTENNA®**

- \$100 Cash Grand Prize! •

**ADMISSION: STILL ONLY \$5!**

(cash @ door)

Admission ticket pre-sales are available only to vendors/sellers with advance table purchase, visit website for reservation info.

*Same-day tables subject to availability*

Talk-in: K8UNS LARC Repeater  
145.350 PL100Hz

**ADVANCE TABLE SALES, INFORMATION:**

**<https://livoniaarc.com/larc-annual-swap-and-shop/>**

**email: [swap@livoniaarc.com](mailto:swap@livoniaarc.com)**

**voice: (734) 648-6453**

**The next ARES Quarterly Meeting will be held on February 15, 2024 at the Allen County Public Library, Meeting Room A, in downtown Fort Wayne. The room will open at 6:00 pm and the meeting will start at 6:30 pm.**

**Jay Farlow, W9LW will be presenting the training portion of the meeting: "Basics of DMR Radio."**

# Ham splatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN



**From the President**

Welcome to a hopefully warmer February. With low temperatures and icy roads, it was the perfect month to stay inside for radio. Hopefully we have dusted the cobwebs from our equipment and put those new Christmas gifts to good use. This year will be a busy year for radio.

Looking at contests, we have wrapped up the January VHF contest. If you have not participated, it is always fun. Working 2m sideband feels like an entirely new band. Next month is the School Club Roundup, a week-long contest for schools around the US. SCR runs from Feb 12-16 and is the first time many students see radio. They are always excited to get on the air. You could be their first contact. You could be the person that gets them hooked. If you have time during that week, try to work a few school stations. Snider High School will be operating that week, so look for K9SHS on the air.

Next month, we plan to have a more social meeting with a chili cookoff. Bring your best chili for a chance to win a prize. This is also an opportunity to meet your fellow members. Remember that the club cannot function without all of you.

During the January meeting, the club had some items for sale. Josh Long, W9HT, went home with a Vibroplex key. If you have any items that you wish to sell or swap, bring it to a club meeting. We all have that item we put in a box 20 years ago waiting for the opportunity to use it. Now, you can sell it to someone so it can end up in their junk box for 20 more years.



Like always, let me know what you think. I can be reached at kd9nrt(at)gmail.com.

Thank you, and we will see you at the meetings.

73,

*Adam, KD9NRT*

## General Meeting this month

Friday, 2/9 at 6:30pm at  
Good Shepherd Church  
See you there!

## FWRC Officers 2024

### President

Adam Warrix, KD9NRT  
kd9nrt(at)gmail.com

### Vice President

Meghan Warrix, KD9ODP  
warrixmr(at)gmail.com

### Secretary

Al Burke, WB9SSE  
(260) 637-1989  
aburke55(at)comcast.net

### Treasurer

Bob Streeter, W8ST  
rdstre(at)yahoo.com

### Communications Manager

Charles Ward, KC9MUT  
(260) 749-4824  
kc9mut(at)yahoo.com

### Directors

Steve Nardin, W9SAN  
(260) 482-4039  
w9san(at)arrl.net

Terry Bowman, K9FMX  
(260) 705-7128  
tjbowman(at)frontier.com

Jim Stephens, KD9NYZ  
kd9nyz9nyz(at)gmail.com

Larry Temenoff, KB9OS  
(260) 490-3089  
temenoff(at)pfw.edu

# FORT WAYNE RADIO CLUB MEETING MINUTES

## 19 January 2024

The January meeting of the Ft. Wayne Radio Club was held on January 19th, 2024, delayed one week from the normal meeting date because of inclement weather. It was held at the Good Shepherd United Methodist Church starting at 6:30 pm. It was hosted by club President Adam Warrix, KD9NRT and there were about 20 attendees.

Adam led everyone in the Pledge of Allegiance and invited all present to introduce themselves with their name and call -sign.

Treasurer Bob Streeter, W8ST addressed the status of the club's account balances. As of 19 January, 2024 they were as follows:

Checking account:	\$1,818.19
Savings account:	\$502.46
Vanguard fund:	\$27,238.63
Year-T0-Date Income:	\$390.00
Year-to-Date Expenses	\$526.85

Club member headcount for 2023 was 150

Club member headcount for 2024 is 121

Adam addressed what he would like the club to focus on this year in modernizing the club:

- He would like to investigate microwave links via the Amateur Radio Emergency Data Network project

(AREDN). He has some equipment at home that can be employed to start investigating, with help from Charles Ward, this technology.

- He would like to look into setting up an APRS capability.
- He would like to modernize the execution of club meetings and publicize its existence, perhaps by making use of Facebook or YouTube.
- Make club meetings more entertaining, for example via more frequent food carry-in events and by hosting ad-hoc swap meets as a part of each meeting.
- In general, increase meeting attendance by becoming a friendlier club, especially in regards to how we treat newbies.

Following the formal business meeting a discussion ensued focused on the history of the Fort Wayne Radio Club with numerous tidbits of information about the club addressed.

The meeting concluded about 7:45 pm.

Respectfully submitted,

*Al Burke, WB9SSE*

Secretary, FWRC

Jim, W8HOM, would like to hear from anyone who has practiced receiving code at greater than 40 wpm. Please call 447-1225.

# State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN



## From the ACARTS President

We finally had our first general meeting for the new year, but not without problems. Being it's January in Indiana, one never knows what to expect weather wise. Generally the ACARTS Board meetings are held on the second Tuesday of the month, followed by the ACARTS General meetings on the third Tuesday of the month. This month as planned the board meeting was held on online via Microsoft Teams and went without a hitch. The General meeting not so much.

The extreme cold temperatures forced us to cancel the meeting and reschedule until Tuesday the 23<sup>rd</sup> and hope for the best. If you have ever coordinated anything you realize it's easier to schedule something then to have to cancel and reschedule something. With the meeting reschedule it caused a change of the presentations and presenters for January.

Jon Luckey N9OBL Instructor at FWCS Memorial Park Middle School ARC KD9PE was to give his presentation on "Bringing Modern Shop including Amateur Radio back to Urban Middle School". But because of the weather cancellation and his birthday fell on the 23<sup>rd</sup>. I asked if we could move him to the February 20<sup>th</sup> meeting and he agreed. Thankfully Grace Hochstetler American Red Cross Disaster Services Manager was willing to switch and cover our January presentation.

Before the meeting, Jim Sampiere KD9NPL Station Manager and myself met at WANE TV to remove the FWRC .76 Loaner Repeater that was crystallized up for 146.88. Needless to say it was a icy wet mess there. But within 20 minutes we were done. After the meeting, I met up with Al Burke WB9SSE in the parking lot and handed over the GE Mastr II Mobile FWRC .76 Backup Repeater to him. Thank you Al and FWRC for your loaner and your assistance last year!

This was the first time in many years we were back meeting at the Red Cross so it was just like the first time. Grace made us feel welcome and shared with us exactly what areas, duties and services not only what the NE Chapter offers but what the American Red Cross does nationally.

At one time, I served on our local Whitley County Red Cross Fire and Disaster Action Team that eventually covered Noble County as well. I served on the NE Chapter Board also. Back then there were three of us in our specific team that had our amateur licenses and sometimes we used local repeaters to coordinate our location and movement to each other if we happened to be teamed up together. Things have really changed the NE Chapter now covers seventeen counties in Indiana and Ohio! The following counties in NE Indiana are: Adams, Allen, Dekalb, Huntington, Kosciusko, Noble, Steuben, Wabash, Wells and Whitley counties in Indiana. And the following counties in Ohio: Allen, Auglaize, Defiance, Mercer, Paulding, Van Wert and Williams.

## ACARTS Officers 2024

### President

Dan Dahms N9WNH  
260-503-4163  
n9wnh(at)yahoo.com

### Vice President

Chris McCullough W9TSB  
260-312-2750  
w9tsb(at)outlook.com

### Secretary

Stuart Hall KD9LFW  
(260) 418-1755  
stuarthall(at)aol.com

### Treasurer

Kevin Hecksher W9KMH  
260-755-8784  
kevin(at)jr-kdigital.com

### Station Manager

Jim Sampiere KD9NPL  
260-999-8132  
Kd9npl(at)gmail.com

### Fundraising Manager

Fred Gengnagel KC9EZP  
260-704-7801  
kc9ezp(at)gmail.com

### Directors at Large

Steve Shannon K9SKS  
260-704-5353  
k9sks(at)aol.com

James Bassett W9YME  
260-438-6664  
Trrrrbo(at)aol.com

Howard Pletcher N9ADS  
260-747-5252  
hrpletch(at)gmail.com

### W9INX Trustee

Dan Dahms N9WNH  
260-503-4163  
n9wnh(at)yahoo.com



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Grace gave us a nice presentation answered many questions from audience and then we had a short tour of the Disaster Services section of the Fort Wayne office. We thank Grace for staying over after her work day, giving the presentation and tour. We hope once an Executive Director is selected we can sit down and talk about communications states he can now check-in with 1 watt now from his QTH. We would like to hear about more range reports from all of you.



*W9INX Motorola MTR3000  
VHF Analog/DMR Repeater  
(Currently on 146.880)*

With all the positives with that, we have more positives. I recently picked up the Kendecom KRP5000 VHF Repeater and the MCS PA-100 external power amplifier from Dave Lindquist W9LKH just the other week. I went through it and saw no immediate problems so it was time to enlist Jim Pliett K9OMA's help to check out the



*ACARTS 146.88(-) W9INX  
Kendecom KRP5000  
VHF Analog Repeater  
(Soon to be tested on 146.880)*



deviation issue, frequency response, receiver sensitivity, power out etc. The transmitter is maximum of 15 watts and set for around 12 watts output now as a driver for the external amp producing 80 watts output. The amplifier has a maximum input of 15 watts to produce 100 watts output. The Ken-decom repeaters are no longer made and has been out of business for awhile now. This is a crystal controlled unit with one slot only for 146.28 RX and 146.88 TX. There is a CAR-1000 controller built-in to the repeater cabinet ready to go! We are planning on installing it for a burn-in period while we take the MTR3000 off the air to work on the couple of programming issues. As of now it looks to be a good working unit, we will all find out soon!

73,

*Dan N9WNH*

P.S. If you would like your own ACARTS.COM mail address (for example, callsign@acarts.com), please send a request email with your direct contact information including:

1. Call Sign
2. Name
3. Contact email to send the initial login instructions to.

This is a benefit that ACARTS can proudly offer its members at no cost with 50GB of storage per account on the ACARTS domain email system. Please send your setup request email to the Email Administrator at:

EAdmin@acarts.com



## ARES net changes DMR talk group

By Jay Farlow, W9LW

After two successful tests, the DMR portion of the weekly Allen County ARES Training Net permanently moved to the “Indiana Link” talk group, 31181. This talk group is available on time slot 1 on both the N9MTF 442.6375 MHz Brandmeister repeater at Parkview Randallia Hospital and the K9MMQ 443.1000 MHz Crossroads repeater on West State Blvd. It is also availa-

ble via any Brandmeister device in the world, including any repeater connected to a Brandmeister server, DMR hotspots and devices running Droidstar software.

The Allen County ARES Training Net begins at 9 p.m. ET every Tuesday on FM on the W9TE 146.94 MHz repeater, located on the western edge of New Haven. When the FM portion of the net concludes, usually at approximately 9:15 p.m., the DMR portion begins.

Any interested ham in any location is welcome to join the FM or DMR portion of the net.

ACARTS General Meeting  
American Red Cross building  
1212 E. California Rd., Fort Wayne, IN

Tuesday, January 23, 2024  
7:03pm – 8:45pm

This meeting was postponed from the original date of January 16, 2024 due to weather.

Attendance: (15)  
President: Dan Dahms (N9WNH)  
Absent: Vice President: Chris McCullough (W9TSB)  
Secretary: Stuart Hall (KD9LFW)  
Treasurer: Kevin Hecksher (W9KMH)  
Station Manager: James (Jim) Sampiere (KD9NPL)  
Fundraising Manager (Hamfest Manager): Fred Gengnagel (KC9EZP)  
Board Member: Howard Pletcher (N9ADS)  
Board Member: Steve Shannon (K9SKS)  
Board Member: James (Jim) Bassett (W9YME)  
Members: 13  
Non-members: 2

### **President**

Dan opened the group and everyone attending introduced themselves.

Recognition of silent keys: John Reitz AB9RZ, Sue Holm KA9FFZ. Both were ACARTS members. Condolences were sent in the name of ACARTS.

### **Grace Hochstetler, American Red Cross Disaster Manager NE Chapter.**

Ms. Hochstetler presented an overview of Red Cross Disaster Cycle Services. This office covers 17 counties in NE Indiana and NW Ohio. Work includes community preparedness including Home Fire Campaign, Youth Programming, Community Programs. Such work involves installing free smoke detectors, home fire safety education for children, CPR, weather safety classes, business/organization disaster preparation.

Disaster Response includes National, Regional, and Local both in-person and virtually. Most of the disaster responses involve local home fires.

90% of work is done by volunteers. For more information on volunteering:

<https://www.redcross.org/local/indiana/volunteer.html>

Ms. Hochstetler led the group on a brief tour of the Red Cross facility.

### **Secretary**

Stuart Hall, KD9LFW, reviewed the minutes from November & December General Meetings.

He noted the group is starting the process of re-writing ACARTS constitution and by-laws.

**Motion:** To accept notes as read. Made by Kelley Clond, seconded by Steve Shannon. Passed by a voice vote.

President Dan Dahms, N9WNG, noted the minutes will be placed in the Allen County Ham News and also on the club's Ham Club Online (HCO) website.

Dan encouraged members to access and play around with the club's HCO website and the ACARTS IO Group. He encouraged members to access and get familiar with the ACARTS HCO and IO Group sites.

### **Treasurer**

Treasurer Kevin Hecksher, W9KMH, and Director Howard Pletcher, N9ADS, reviewed the financials from the 2023 Hamfest, noting a profit of \$2,734.73 overall.

Kevin reviewed the year's financials for the entire group with overall club profit of \$2,256.61, not including Hamfest income.

### **Reviewing the proposed budget for 2024:**

#### **Budget Line: Insurance**

President Dan Dahms, N9WNH, noted receiving one quote from the ARRL insurance vendor for \$200 per year with \$2,000,000 aggregate coverage. Dan and Treasurer Kevin Hecksher, W9KMH, are looking at getting two more quotes. The need for liability insurance for the Board was discussed and will be investigated.

A major source of liability is the Hamfest. Dan expressed concern that the club has not had high enough coverage. The club is now looking at getting at least \$2,000,000 aggregate coverage. Dan noted the need for written agreements for the repeater sites specifying liability, access, and other details. Currently the club only has one repeater site covered under a written agreement, the others being verbal agreements.

It was noted that with the amount approved in the budget, no further approval is needed to approve the insurance.

#### **Budget Line: Equipment purchase**

Jim Sampiere, KD9NDL, Station Manager, notes that the current Motorola MTR3000 VHF machine running the 880 repeater is working better than expected. There is thought that this will become the .255 Repeater. It is programmed for both VHF repeaters now.

The Kendecom KRP5000 machine has been checked out by Jim Pliett, K9OMA, and President Dan Dahms, N9WNH. For now, the machine will work as a backup if the club gets another repeater for 880.

President Dan Dahms, N9WNH, noted there is no maching to run on the UHF repeater at this time. Dan is looking at getting a new machine for the UHF and one for the 880 repeater. The club is also needing a duplexer as we are currently short a VHF duplexer if a backup one is wanted.

The current antenna on the WANE-TV tower was replaced in 2020 with a non-commercial antenna. That antenna is already leaning off the vertical and its current operating life is questionable. A budget line of \$1,500 for Maintenance is included to pay for replacing or repairing that antenna. Currently, we have no backup for the antenna. President Dan, N9WNH, Dahms and Station Manager Jim Sampiere, KD9NDL, are going to approach WANE about what our options are.

Station Manager Jim Sampiere, KD9NPL, feels the 880 repeater is in a good state and the club can focus on the 255 repeater and the UHF repeater.

It was noted that the current budget line for Repeaters was set before the Kendecom machine was checked out.

Budget Line: Antenna includes new commercial antenna with hardline. Labor on that is listed under Maintenance budget line. It was noted that the club decided to keep the 880 machine a simple, analog repeater for dependability sake despite the availability of internet in the repeater shack.

#### **Budget Line: Website Expenses**

Treasurer Kevin Hecksher, W9KMH, noted the club's website is now HTTPS and will be moved to Godaddy hosting within 60 days which will allow the group, as a 501c(3) organization, to get Microsoft products such as MS Teams. Most of the budget expense is a donation to the Purdue FW group for the propsed redoing of the website. Kevin noted that members will be able to get an @acarts.com e-mail addresses though it may take 60 days.

#### **Motion: To accept the 2024 Budget as reviewed. Made by Secretary Stuart Hall, KD9LFW. Seconded by Fundraising Manager Fred Gengnagel, KC9EZP. Accepted by a voice vote.**

President Dan Dahms, N9WNH, noted that the group has moved to MS Teams from Zoom under Kevin Hecksher's employer's account as previously Vice President Chris McCullough, W9TSB, was paying the cost of the Zoom account. Board meetings will continue on MS Teams on the 2<sup>nd</sup> Tuesday at 7pm. Meetings will be announced through Ham Club Online, the acarts@groups.io, and the ACARTS website.

Financial Audit Committee meeting moved to Monday, January 29, 5pm, Jensen Hughes, 3821 Superior Ridge Dr., Fort Wayne.

#### **Asset Inventory Audit Committee**

Asset Inventory Audit Committee Meeting: Tuesday, February 6, 7pm, online via Microsoft Teams.

Station Manager Jim Sampiere, KD9NDL, noted that he needs to know if anyone has any club equipment. Ham Club Online has the ability to list assets.

### **Non-Profit 501c(3) Committee**

Meeting has been set as a goal for Tuesday, February 27, 7pm, online via Microsoft Teams. This will also include a discussion on revision of the club's constitution and by-laws.

### **Ham Club Online (HCO)**

President Dan Dahms, N9WNH, noted the club has had HCO since 2022 but hasn't used it until now.

Treasurer Kevin Hecksher, W9KMH, noted a number of people have been paying club dues via credit card online.

### **PNC Account Notifications**

Treasurer Kevin Hecksher, W9KMH, noted that he and President Dan Dahms, N9WNH, both get notifications for transactions on the PNC accounts.

### **ACARTS Board Spending Limit / PNC Debit Cards**

President Dan Dahms, N9WNH, noted the Board approved getting debit cards for the President and Treasurer with a \$500 limit at the previous Board Meeting.

**Motion:** To approve Board's approval of PNC debit cards in last Board Meeting. Made by Station Manager Jim Sampiere, KD9NDL. Seconded by Treasurer Kevin Hecksher, W9KMH. Passed by a voice vote.

### **Expense Reimbursement for Northcom Technologies custom controller cable**

**Motion:** To reimburse Jim Sampiere KD9NDL, Station Manager, for purchase of Northcom Technologies Motorola MTR 3000 to CAT-1000 Controller Cable. Made by President Dan Dahms, N9WNH. Seconded by Treasurer Kevin Hecksher, W9KMH. Passed by a voice vote.

### **146.880 Repeater**

President Dan Dahms, N9WNH, related installing the Motorola MTR 3000 at WANE-TV for the 146.880MHz repeater. The Kendecom KRP5000 machine was taken to Jim Pliett, K9OMA, for additional text equipment examination. It appears to be a functional machine though, being crystal controlled, it will only work for the 146.880MHz repeater.

It was noted that Vice President Chris McCullough, W9TSB, has volunteered to be the interim Communications Manager/Liaison with the Purdue FW student group that hopefully may be revamping the club's website.

### **W9INX Trustee**

Dave Lindquist, W9LKH, has resigned as the club's Trustee. President Dan Dahms, N9WNH, was approved as replacement at the Board Meeting on January 9, 2024. The Board members have to sign the Board meeting minutes from the January 9<sup>th</sup> meeting to be submitted to the ARRL VEC and then it will be processed by the FCC.

### **ARRL Diamond Terrace Letter, Certificate, and Paver**

Kelley Cloud, NT9F, noted that a brick has been placed in the Diamond Terrace at the ARRL headquarters in the name of the ACARTS club for a donation of \$250 after he had won the \$250 at the Hamfest. He presented a framed certificate to the club in recognition. Thank you, Kelley!

### **ARRL Spectrum Defense Fund**

President Dan Dahms, N9WNH, noted that Randy Mays, N9REA, another ACARTS member, recently donated to the ARRL Spectrum Defense Fund. Thanks Randy!

Bob Streeter, W8ST, and the Fort Wayne Radio Club found and donated two historic ACARTS "Start of the Arts" Newsletters from May and June 1978. Thank you Bob and FWRC!

### **FWRC .760 Loaner Repeater**

Today, Station Manager Jim Sampiere, KD9NDL, and President Dan Dahms, N9WNH, removed the FWRC .760 GE Master II Mobile Loaner Repeater from WANE TV site. With thanks to the FWRC for the loaner to get us by for the .880 during our problem period. Special thanks to Al Burke, WB9SSE, and Jim Pliett, K9OMA, for their help. The repeater was turned back over to Al at the meeting.

**Motion:** To terminate General Meeting. Made by Fred. Seconded by Steve. Passed by a voice vote at 8:45pm.

**Next meeting(s):**

Financial Audit Committee Meeting: Monday, January 29, 5pm, Jensen Hughes, 3821 Superior Ridge Dr., Fort Wayne  
 Asset Inventory Audit Committee Meeting: Tuesday, February 6, 7pm, online via Microsoft Teams  
 Board Meeting: Tuesday, February 13, 7pm, online via Microsoft Teams  
 General Meeting: Tuesday, February 20, 7pm, American Red Cross building, 1212 E. California Rd., Fort Wayne, IN  
 ACARTS By-Laws Revision & 501 c(3) Committee Meeting: Tuesday, February 27, 7pm, online via Microsoft Teams  
 Hamfest Committee Meeting: Tuesday, March 5, 7pm, online via Microsoft Teams

<b>Upcoming ACARTS Events: 2024</b>			
<b>Date</b>	<b>Time</b>	<b>Location</b>	<b>Description</b>
<b>2/6/24</b>	7:00 PM	MS Teams (Online)	ACARTS Asset Inventory Committee Meeting
<b>2/13/24</b>	7:00 PM	MS Teams (Online)	ACARTS Board Meeting
<b>2/20/24</b>	7:00 PM	Red Cross & MS Teams (Online)	ACARTS General Meeting: Modern Shop & Amateur Radio in Urban Middle School by Jon Luckey N9OBL
<b>2/27/24</b>	7:00 PM	MS Teams (Online)	ACARTS By-Laws & 501(c) 3 Committee Meeting
<b>3/5/24</b>	7:00 PM	MS Teams (Online)	ACARTS Hamfest Committee Meeting
<b>3/12/24</b>	7:00 PM	MS Teams (Online)	ACARTS Board Meeting
<b>3/19/24</b>	7:00 PM	Red Cross & MS Teams (Online)	ACARTS General Meeting: HCO/Groups.io/Facebook/Website
<b>3/26/24</b>	7:00 PM	MS Teams	ACARTS By-Laws & 501(c) 3 Committee Meeting
<b>4/9/24</b>	7:00 PM	MS Teams (Online)	ACARTS Board Meeting
<b>4/16/24</b>	7:00 PM	Red Cross & MS Teams (Online)	ACARTS General Meeting: By-Laws Revision/501(c)3 Proposal
<b>4/20/24</b>	7:00 PM - 10:00 PM	On The Air	ACARTS - NE Indiana VHF/UHF FM Simplex Contest

ACARTS Board Meeting (online via Microsoft Teams)

Tuesday, January 9, 2024  
7:06pm – 10:37pm

Attendance (8):

President: Dan Dahms (N9WNH)

Vice President: Chris McCullough (W9TSB)

Secretary: Stuart Hall (KD9LFW)

Treasurer: Kevin Hecksher (W9KMH)

Station Manager: James (Jim) Sampiere (KD9NPL)

Fundraising Manager (Hamfest Manager): Fred Gengnagel (KC9EZP)

Board Member: Howard Pletcher (N9ADS)

Board Member: Steve Shannon (K9SKS)

Absent: Board Member: James (Jim) Bassett (W9YME)

Reviewed minutes from December 12, 2023 Board Meeting. Dan noted clarification that he has possession of one of the packet-node digipeters. It was also noted that the \$10-15,000 budgeted is for replacing all the repeaters.

Motion by Jim to accept minutes with these corrections. Chris seconded. Minutes approved with voice vote.

### **Secretary**

Stuart noted prudence of rewriting the club's by-laws in light of the lack of clear records concerning the current by-laws. Dan noted that the group needs to update the by-laws to change the group to a 501c3 organization. The 501c3 committee is made up of Dan, Chris, and Fred. Stuart will join 501c3 committee to facilitate. Kevin has sent a couple of suggestions for by-laws to Dan for future consideration.

### **Treasurer**

Kevin reviewed HamFest final numbers. Noted total income between HamFest income and general club of \$5000. Howard notes that much of club income is from UBS account income and expressed concern that the capital of that account is not reduced too much. Howard also noted that losses could come also from the Hamfest, either from loss in income or increase in Coliseum fees. Howard agreed to be an advisor to the financial audit committee. Kevin notes that having the audit done by the end of January looks doable.

Financial Audit Committee meeting set for: Tuesday, January 30, 5pm, at Kevin's office, 3821 Superior Ridge Drive, Fort Wayne

### **Vice President**

Chris noted that he will cancel his Zoom account if the club is going to be using Microsoft Teams going forward. Dan noted that the cost of Zoom has doubled and so Kevin volunteered to use his company's Teams account. The Teams account allows the recording and transcription of the meetings. It was noted that Microsoft offers free Team accounts for 501c3 organizations.

Kevin notes we will have to move the website to GoDaddy to facilitate its coordination with Microsoft Teams features.

Question about Trustee position was postponed to later in the meeting.

### **President**

Dan reviewing the Proposed ACARTS 2024 Events Schedule. Kevin confirmed his openness to do a presentation at the March 19 General Meeting on Ham Club Online.

Dan requested more ideas for events/presentations. Kevin noted that IEEE has a disaster truck to set up satellite and HF communications for general public and disaster workers that travels around the country. Kevin will try to get a contact number to Fred so Fred can send an invitation for the truck to come to the Hamfest

The P.O. Box for ACARTS has two keys. Dan recommends that the Secretary and the Treasurer should each have a key. Kevin will deliver a key to Stuart at the Financial Audit Committee meeting scheduled for January 30.

It was noted that a member of ACARTS donated money to the ARRL education fund in the club's name. Dan will check with the member as to whether he wants N9TF to remain anonymous. Kevin will e-mail a copy of the letter from ARRL to Stuart.

All officers have been added to the PNC account. The Treasurer and President have been set up with online access. Kevin has yet to set up the Vice President and Secretary for online access. Kevin has not yet heard back from UBS concerning access for the new officers. Dan notes he is waiting for a call back from UBS.

## **Reviewing Budget**

The proposed budget was reviewed line by line:

Activities, proposed \$600. Includes such things as possible picnics or electronic kits used with the club. Approved with a voice vote.

Administration, proposed \$1200. Dan is looking into other liability insurance providers. Liability insurance is expected to increase to increase coverage (particularly for our antenna mounted on the WANE-TV tower) and an expected increase of fees. Increase line item to \$1500 was moved, seconded, and approved by voice vote.

Donations, proposed \$350. Donation to Red Cross for use of room, only to be paid after the Hamfest. Approved by voice vote.

Communications, proposed \$1000. To cover website and other social media. Fred noted that Josh will contact Purdue instructor overseeing students to see what they can do for updating website. Howard has software and files for updating website along with access credentials. Howard notes that if the students do the website for the Hamfest, there will need to be an easy way for people to register online as there have been problems before. Approved by voice vote.

Station, proposed \$10-15,000. To cover upgrading repeaters. Dan is gathering pricing information on a spreadsheet. The current antenna on the WANE-TV tower is fiberglass dual-band running both repeaters, the VHF and UHF repeaters. From viewed on the ground, the antenna appears to be leaning. \$10,000 will likely cover replacing two repeater machines. Approved by voice vote.

Antenna Replacements, added new category to cover replacing one or two antennas. Proposed \$5000. Approved by voice vote.

Possible Work, proposed \$500. To cover expenses of installing new repeater antenna. Increased to \$1500. Approved by voice vote.

Hamfest, proposed \$18,000. Approved by voice vote.

Projected Income:

Operations (Dues), proposed \$650. Kevin noted that some silent key members have already paid. He has asked the families what they want done with the money. Kevin proposes setting up an account to pay for those members who cannot afford their membership fee. Kevin motioned, Fred seconded, and approved by voice vote to set up such an account. Skipping over other items in light of time.

Entire proposed budget. Discussion about the approach to take in replacing repeaters, whether to replace one or more repeaters this year. It is noted that the budget is in the negative by \$18,350, including \$16,500 for replacing the repeaters. That leaves \$1850 in the red due to expected costs of revamping website and increased insurance. It is expected that such major equipment replacement as proposed this year will not be repeated for 15-20 years.

*Motion to approve proposed budget passed by voice vote.*

## **Repeaters**

Dan read out details of Motorola repeater machine from ERS that he is looking at. There was discussion about a connector cable. It was noted that Dan and Jim pulled the duplexer for the 443.800 repeater. Jim (K9OMA) tuned them, making that the last ACARTS duplexer to be tuned. As the VHF machine for the 255 repeater has a bad receive/transmit capability, the club is looking at either having a backup duplexer for the 880 repeater or one duplexer for each VHF repeater.

## **Club Equipment Inventory**

Jim: Asking for anyone to let him know about any equipment members may have to complete inventory. The inventory will be listed on Ham Club Online.

## **Trustee**

Discussion of Communications Manager for ACARTS. To help maintain website, possibly FaceBook page, io groups. Dan thinks Station Manager and Trustee need to be held by different people. They can then back each other up.

Motion: Dan is appointed as Trustee. Chris will oversee website moderation. Motion dies for lack of second.

Motion: Dan appoints himself as Trustee. Approved on voice vote.

## **Debit Cards for PNC account**

Kevin would like to obtain debit cards from PNC for the President and Treasurer to facilitate online payments such as website fees. He notes that both President and Treasurer currently get e-mail alerts for any amounts over \$5 that are withdrawn or deposited.



There is no limit on withdrawal amounts from club accounts. This needs to be added to by-laws.

Kevin notes the need for bond insurance for all signatories on accounts.

The question was raised about whether the club has insurance for those who might break something on site when working on repeaters? Kevin has yet to fully examine insurance policy with an agent to see what it covers.

Motion made by Stuart (KD9LFW): Get PNC debit cards for President and Treasure with a limit of \$500 per day. Seconded by Steve. Passed by voice vote.

Meeting closed at 10:37 pm.

**Action Items:**

Jim Sampiere to fully inventory club equipment for January general meeting

New officers will get online access to financial accounts.

Kevin to get debit cards from PNC for the President and Treasurer.





*New  
Date!*

The Northeastern Indiana Amateur Radio Association

# AUBURN HAMFEST

## Saturday, July 20, 2024

### Auburn Cord Duesenberg Museum

**1600 S. Wayne St. Auburn, IN 46706**

OPEN 9 AM TO 2 PM • TALK-IN: 147.015 (141.3) 7:00 AM • LOAD-IN: 7 TO 9 AM

**FREE**

### Admission

6,000 SQ. FT. INDOOR DISPLAY SPACE (Not counting the huge Museum Area!)



**FREE**

### AUBURN CORD DUESENBERG Museum

View an amazing collection of classic motor vehicles.

**FOOD VENDOR**  
on the parking lot.

**NEED MORE INFO?**

**E-MAIL: W9OU@ARRL.NET**

**FREE**

### Parking

Supervised by the DeKalb County  
ARES Team.



**Indoor Vendor Tables: \$10 ea.**

Order online now at [www.w9ou.org](http://www.w9ou.org)

**Outdoor Sales** - One raffle ticket purchase for each parking space.

**Contact: [W9OU@ARRL.NET](mailto:W9OU@ARRL.NET)**

**Raffle Prizes:**

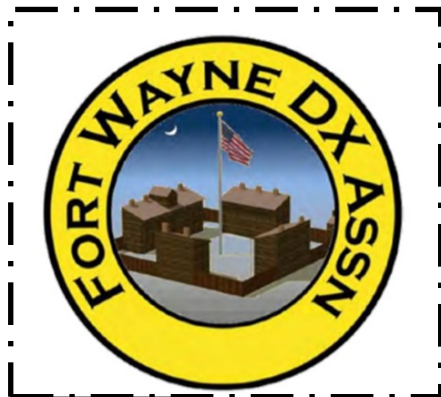
1st- Yeasu FTM 500

2nd- Zumspot with MD UV380 DMR

3rd- N3FJP Software (Full Access)

4th- \$50 Gift Certificate, DX Engineering

*Ticket Prices \$5.00 - Buy 2, get 1 Free!*



## My Introduction to 160-Meters

By Carl Luetzelschwab, K9LA

Due to my increasing interest in radio, which was sparked by a crystal radio to listen to AM broadcast stations and using inexpensive CB walkie-talkies with my next door neighbor Frankie, Mom and Dad bought me a National NC-60 Special receiver in the late 1950s. I remember going to a local National Radio store in Hammond, IN (where I grew up), and coming home with it.

After setting it up and running a lengthy wire from the antenna terminal, I began listening to the world of short-wave radio. One of the first things that I noticed was the annotation on the left side of the Band 2 scale (circled in red on the accompanying image of the NC-60 front panel).

It's from 1.8-2.0 MCS (Mega Cycles per Second – now MHz), and the annotation is 'amat 160m' and 'loran'. Of course 'amat 160m' means it's our 160-Meter band. I was aware of Amateur Radio from a couple books I had read (The Short-Wave Mystery in the Hardy Boys series and SOS at Midnight by Walker Tompkins). I began lis-

tening to 160-Meters and discovered that the Calumet Area Emergency Net (CAEN – north-west Indiana and Chicago) met nightly on AM on 1805.

When I received my Novice license in October 1961, I was still listening to 160-Meters, but the Novice license didn't allow operation on 160-Meters. When I received my General license in May 1962, I could operate on 160-Meters, but I didn't have a transmitter. But because of my NC-60, I discovered a number of locals in the Hammond area that were on 160-Meters.

night – and we could only transmit from 1800-1825 KHz. I even remember going with Al on 160-Meter transmitter hunts with our local club using small 160-Meter direction-finding antennas.

As I progressed from General to Extra, none of my rigs covered 160-Meters. I finally got on 160-Meters in the early 1980s when I bought a Kenwood TS-180S transceiver when I lived in Texas. It was used on 160-Meters at my home QTH in Texas and on 160-Meters for ARRL DX contests from Antigua (V2).

I still enjoy 160-Meters. I am



One was Al K9DHN (now K0AD in Minnesota – he was a year ahead of me at Purdue). He had re-tuned the AM radio in the family car to receive 160-Meters (which was close to the top of the AM broadcast band) and built a low power AM transmitter running off a dynamotor in the trunk of the car. The antenna was a center-loaded 8-foot whip. That provided very adequate local coverage. A side note – during those days the original LORAN-A system (the annotation 'loran') was on 1.85 and 1.95 MHz, and that resulted in power limits for those of us in Indiana of 200 Watts during the day and 50 Watts during the

writing this on the Wednesday before the CQ World Wide 160-Meter CW Contest from 2200Z January 26 to 2200Z January 28. I will be on with my mighty 160-Meter inverted-vee with its apex at about 55 feet. I won't work much DX, but I'll certainly work many domestic friends. FYI – I was a registered short wave listener with Popular Electronics – hence the WPE9BQH sign under the NC-60.

# 160



## The Central Intelligence Agency and Amateur Radio

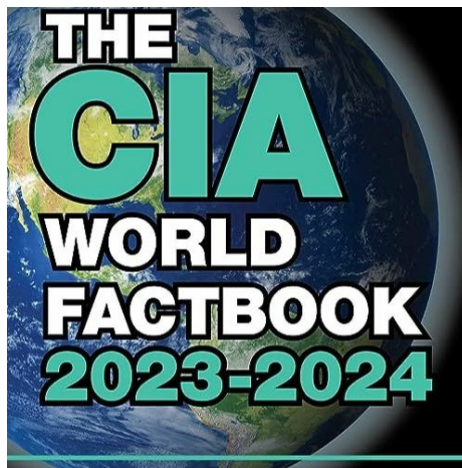
Hello my fellow radio bugs! January has come and gone, and we are at the start of February (keep on the alert for incoming ground hogs and valentines!) With the conclusion of the TX5S dxpedition to the rare entity Clipperton Island, I became interested in learning a little bit more about this particular entity. One website that gave information about Clipperton is actually operated and maintained by the Central Intelligence Agency (CIA). For this month's column, I thought it would be fun to give a quick overview about this resource, and what information it provides to the curious radio amateur interested in chasing and research dxcc entities.

### The CIA and Amateur Radio?

Although most radio amateurs associate the CIA with thriller spy movies and covert operations, the CIA actually maintains a fairly in-depth database that is quite useful to the radio amateur. This resource is the "CIA World Factbook." The database is free to access and contains a large number of entries about various countries and their possessions in an easy to read for-

mat.

Now, someone might ask, "How does this resource have anything to do with amateur radio?" The answer to the question lies in the aspect of chasing dx. Chasing dx has been a time-honored tradition in the history of amateur radio. However, many radio amateurs don't like to simply contact a particular entity. They also like to research the "countries" they "work," reading up on the history, geography, and importance or lack thereof of a particular entity. Although Wikipedia could suffice for most amateurs, the CIA's World Factbook provides a concise record of some of the most important information regarding a particular entity, including the history, governing country, and economics of a particular entity.



Here's an example of using the World Factbook to look up an entity. Suppose one wishes to find out more information on a location such as Clipperton Island (the site of the recent TX5S dxpedition). Well, all one has to do is go to the CIA's World Factbook website and enter

"Clipperton Island" in the search bar (see the following link). <https://www.cia.gov/the-world-factbook/countries/>. Simply click on the letter of the alphabet that begins the "country's" name ("C" for Clipperton Island) and then scroll down the webpage to click on Clipperton Island. On the webpage for Clipperton, one will discover that Clipperton is under the authorization of France, but has been claimed/occupied by both Mexico and the USA at one point or another. Additionally, one will read that Clipperton was a safe haven for pirates early in its history (named after an English buccaneer named John Clipperton), and that the island is fairly close to North America - only about 1100 kilometers from Mexico (hence explaining, at least in part, why us US amateurs could hear TX5S so well during the dxpedition!)

The World Factbook has many other entities besides Clipperton. Navassa Island, Bouvet Island, and Baker Island are also all in the database (although places like Desecheo Island are, unfortunately, not listed).

So there you have it. If chasing dx is an enjoyable activity, then reading up on the entity that your signal just traveled to will add just a little bit more enjoyment to that all-time-new-one (atno) contact!

73,

*Jim, AC9EZ*

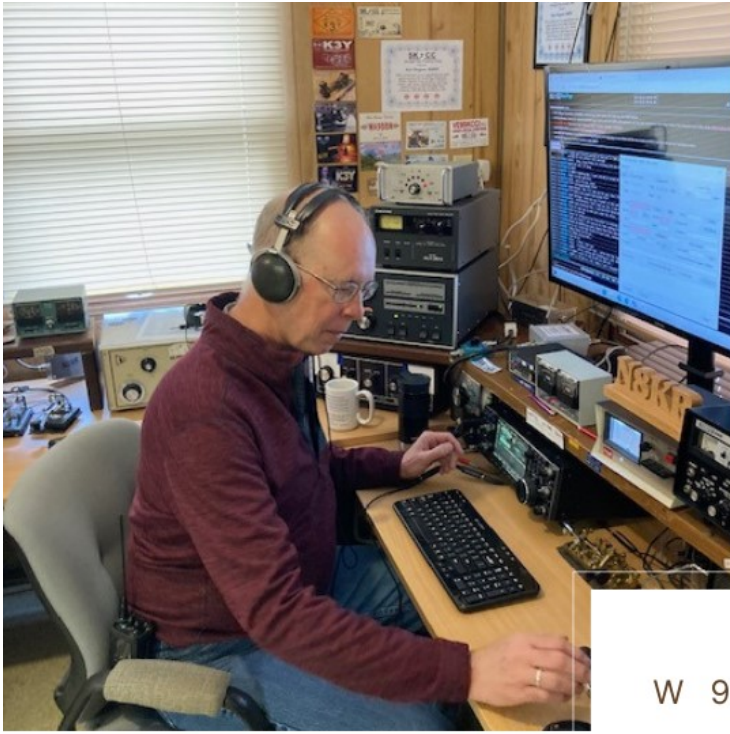
## W9TE First Place in SKCC WES

The January Weekend Sprintathon was a special multi-op multi-station event for our FWRC W9TE. Nine SKCC members who are also Fort Wayne Radio Club members braved the cold and windy 2<sup>nd</sup> weekend in January to activate W9TE which was also participating as a K3Y/9 special event station for the Straight Key Month activity for SKCC. This is the 6<sup>th</sup> year a January multi-op operation at N8KR was held gathering the local SKCC operators. Last year our friends from Southeast Michigan launched a massive 5 station operation in competition against us . . . and we lost by 13 qso's! This year, the same group got together to defend their "victory." The weekend results can be seen below:

Rank	Callsign	Name	SKCC #	SPC	QSO's	SPC's	S/T/C	Bonus	Score
1	W9TE	FWRC	20000S	IN	637	82	159/103/19	585	56,329
2	KS8KCC	Dit	16000T	MI	535	79	153/104/18	505	46,195
3	F6EJN	Bob	508S	FRA	204	66	81/39/6	5	15,104
4	KB0LF	Fred	6302T	NE	186	54	67/47/4	160	11,699
5	AC1GF	Bob	19399S	NH	128	48	42/26/4	120	7,174
6	F5NBX	FRED	9990	FRA	126	46	53/25/3	0	6,856
7	WB0B	Larry	8753	IA	116	44	42/30/5	96	6,155
8	N8XI	Rick	15024S	MI	125	37	51/31/4	270	5,990
9	NA5LU	Enrique Capone	26568	TX	100	47	38/29/1	0	5,565
10	DL4FN	Peter	26830T	GER	106	42	52/28/2	0	5,522
11	KR2H	FRED	27994	NJ	89	39	44/17/1	8	4,314
12	AC9XS	Steve	23280S	IN	89	36	37/22/3	110	4,104
13	WA2LMC	Cliff	25795S	NC	82	40	30/21/1	25	3,970
14	KD5RSS	Butch	1910S	OK	90	35	34/22/4	55	3,955
15	PG4I	Jo	11019S	NED	82	36	37/22/0	5	3,732
16	W0ANM	Chris	3616	MN	77	37	35/21/3	0	3,599
17	W9SA	Bill	18001S	IN	82	34	29/23/2	75	3,538
18	G4PVM	Paul	17810S	ENG	62	49	24/13/0	0	3,528
19	AD0AB	Jim	9667S	KS	77	35	21/29/1	110	3,415
20	KE8PX	Ron	26949S	OH	75	35	37/13/0	100	3,410
21	VE3FGU	Mike	17076S	ON	79	34	31/24/1	0	3,396
22	KN7T	Mark	368C	WA	80	33	31/17/1	0	3,280
23	AC1KV	Dan	24660S	CT	72	37	26/18/2	0	3,244
24	YU7AE	Kare	5790T	SER	73	35	30/11/3	40	3,170
25	WA3KCP	John	11705S	PA	64	38	29/13/0	100	3,097
26	N1BYT	Dan	11056	MA	63	34	37/8/1	260	3,042
27	KU8T	Tom	2442S	IN	70	40	11/6/2	0	3,035
28	WA9BBN	Ed	17763S	IN	75	31	27/16/2	15	2,915
29	NE5A	George	24849S	OK	63	33	26/19/0	95	2,754
30	K3EW	Phil	10605S	MD	59	37	26/12/4	0	2,713
31	W1TAG	John	15461S	MA	58	35	25/14/0	20	2,565
32	KA9GKF	Rose	17764S	IN	56	34	34/10/2	5	2,529

The KS8KCC station was a little short this year!

There were many local members who submitted scores: some have been highlighted above. There were about 200 stations that reported scores. We did quite well! Thanks to N9DGL, K9FW, WB9EAO, KR9U, WB9TYJ, W9LW, NJ0U, AC9XS, W9HT who joined me . . . and Terry – K9FMX for transportation from the airport! What a great time we had! —Ken, N8KR/4



W 9 T E

1 / 2 0 2 4



Join the fun next year during the January 2025 Weekend Sprintathon!



**Local**

**SK CC**  
Straight Key Century Club

**News**

**January 2024**

Awards:

N9SE

- Maple Leaf (Orange) Award
- Ragchew x 4 endorsement
- Senator x 6
- QRP x1 endorsements 80m x 3, 40m x 3, 20m

Operating activities during the month follow.

For the Weekend Sprintathon (WES) on January 13, the following local operators participated. QSO count is shown.

W9TE (Multi-OP) 637

AC9XS89

W9SA 82

WA9BBN 75

KU8T 70

KA9GKE 56

N9SE 43

W9GOO 35

WB9EAO 29

WB9TYJ 21

W9WN 20

W9HT 20

WD9IKW 3

OPERATING EVENTS

FEB

2024

4

NORTH AMERICAN  
SPRINT, CW

FEB

12-16

ARRL SCHOOL  
CLUB ROUNDUP

FEB

17-18

ARRL INTERNATIONAL  
DX, CW

FEB

24-25

NA QSO PARTY,  
RTTY

FEB

28

SKCC  
SPRINT

This information comes from the WA7BNM Contest Calendar at [contestcalendar.com](http://contestcalendar.com) and is gratefully acknowledged. It is deemed accurate as of the time of publication.

For the Two Hour Straight Key Sprint (SKS) on Tuesday evening, January 23 (7-9PM local), the following local operators participated. QSO count is shown.

- N8KR (In Florida) 57
- W9GOO 17
- NE9EE 17
- AC9XS 13

W9SE 12

Catch you next month!

73,

*Ed, WA9BBN*



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.

N9QR Ham gear for sale: **UPDATED 1/27/2024.** 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. I can be contacted at: mikes2125 at outlook.com or N9QR at arrl.net. Phone: 2606026193

Hustler 5BTV vertical antenna. Brand New in the box with brand new Gi-gaParts optional coax connection assembly. Never installed. Box opened to verify contents. 1 set of 14 radials for 7 bands. \$475

120 Ft +/- of used RG8 coax in good shape. Was used on my dipole that the wind took down last year. \$50

Approximately 200 ft of used RG8 coax. \$25

One coil of new RG58 and one coil mini RG 8 ~ 50' each. \$25ea.

Baofeng dual band HT. Used very little. Model UV5R7W with charger. Original packing. With programing CD and interface cable. \$15

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 for both.

Collins power cable with both male and female ends plus a spare male end. \$10

Heathkit SG-1271 Function Generator in good condition. \$20

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

Two plastic containers, BIG CONTAINERS, of connectors, adapters, including UHF, VHF, Audio, and test. \$10 each

Approximately 200 tubes. Most are 7 pin used in Collins and Drake equipment. Also includes 4 6146s, 4 6JB6s, 2 5U4s, and 2 5R4 tubes. Many are NOS the rest have been tested on a TV7 as good. One shoebox of 7 pin pulls untested. Take them all for \$100. **NO PICKING OVER-TAKE ALL OR NONE.**

Several Drake parts including new and used feet, new knobs, spare boards (T4XC), T/R relay and board,

hardware (cabinet screws, foot mounting screws and studs, rubber feet and a few more spares.

Pictures are available via email or text.

Several antique broadcast radios from the 30s and 40s. Consoles and table radios. Most are un-restored. A few are restored. Fire sale prices. Many are FREE, others are \$25 and up. Most are complete, restorable, and most include all tubes and original knobs. **Email me for the list and prices.**



For sale 1 gallon of AMSOIL transformer oil. For oil filled dummy loads. \$30.

Works lots better than any other fluid.

Contact K9FW through his qrz.com email address for more information.



Area Nets (updated as of 2/1/24)					
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 2/1/24)							
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	W9TE	444.8750	+5 MHz	141.3	W9TE
		FM / C4FM					
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 <sup>1</sup>	\$35.00 / year
Student membership <sup>2</sup>	\$5.00 / year
Associate membership <sup>3</sup>	\$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 <sup>1</sup>	\$6.00 / year
Student membership <sup>2</sup>	\$6.00 / year
Associate membership <sup>3</sup>	\$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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