JULY 2023

FEEDBACK

W0ERH.ORG

A PUBLICATION OF THE JOHNSON COUNTY RADIO AMATEURS CLUB, INC.

President's Corner

Field Day 2023 is in the books. There are a lot of people to thank for making our Field Day a success. Among those are Jay (WJØX), our Field Day coordinator and Ted (NØTEK). Ted has a new title, "Sign man." Bill's (KC4TKL) solar trailer provided power for the Welcome Tent and the digital station. Bill also kept a watch over the Field Day logging software and hardware. The GOTA station under Brian (KCØBS) logged 14 persons making contacts.

The weather remained dry with showers passing north and south of our Field Day site Saturday morning. Saturday proved to be breezy which helped it feel a little "cooler." Sunday proved to be cooler, which helped with the breakdown on the site.

Thanks to everyone that helped with the setup Friday and the breakdown Sunday. Having enough people to set up and break down is key to a successful Field Day.

Next up is the Ensor auction which is set for October 28. Please start to gather items for the auction. The auction is our big fundraiser.

73,
Bill
KA2FNK

Upcoming Club Events

- Tue. Jul 4 - NO Club VE Testing!! - Enjoy the Independence Day holiday. Stay safe. Stay hydrated!
- Fri. Jul 14 @ 1900 - Club Meeting - Biz meeting and presentation - Topic: Field Day 2023 Recap and Results
- Fri. Jul 28 @ 1900 - Club Meeting - Extended presentation with Q&A - Topic: Calibrating and Measuring SWR with your NanoVNA by Kevin ADØIM and Bill WAØCBW
- Tue. Aug 1 @ 1900 - Club VE Testing - JoCo Library 9875 W 87th St, OPKS
- Fri. Aug 11 @ 1900 - Club Meeting - Biz meeting and presentation - Topic: TBD

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Hambone

"Hambone Goes to the Circus"

A Hambone story by Jaimie Charlton ADØAB

Previously published in the August 2021 issue of FEEDBACK

"This sounds really cool! A circus about electrical surprises," gushed Dude, Hambone's younger, yet smarter, brother. The boys were walking to Hambone's frat house when a poster on the outdoor bulletin board caught their attention. "I always wanted to see a real college seminar, but everybody told me I was too young or not a college student. But now, Professor Gavotte Bransle says everybody's welcome to his Summer Seminar Circus of Electrical Surprises. That means me and best of all, it's free! I already like that guy and I don't even know him."

"Yeah, yeah," replied Hambone. "I've had him in class and he's all right. Quirky, but all right. He sometimes puts on these sorts of mini seminars. He says he's trying to spur interest in electronics, but I think his seminars are boring. I already know everything about what he's gonna talk about. There won't be any surprises."

"I don't care. I still want to go," replied Dude.

"Well, okay. It might be fun to ask hard questions and see how old Gavvy, that's what we call him, squirms to answer."

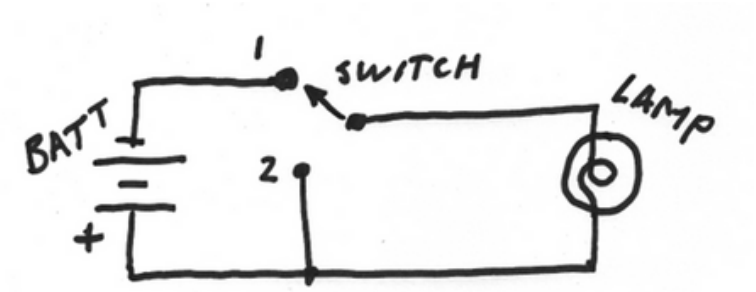
Later, at the seminar, we find Dude and Hambone occupying the front row seats. A few of the other seats in the half-filled hall are occupied by an assortment of frat rats and lounge lizards looking for a cool place to spend a hot summer afternoon.

Professor Gavotte Bransle speaks, "Welcome to the Circus of Electrical Surprises. I hope that some you will learn something new and eventually become engineers. I also hope that some of you who already 'know' what I am about to discuss will learn that what you think is true isn't and you will be surprised and leave all the better for the experience."

"Fat chance of that," whispered Hambone.

"Finally, I think that some of you who may be considering a career in engineering will discover that you are better suited to becoming something less brain-taxing like psychology. Since this seminar is a circus, let's make our first act all about circuits. After all, circus means circuit, sort of."

"Let's consider this circuit. It is simply a battery, a switch and a lamp. Notice that when the switch is in position one, the battery is connected to the lamp. But in position two, the circuit is the same except there is no battery."



A lady's voice from the back of the room asks, "Can the battery light the lamp?"

"Yes, it can. Let's say the lamp is rates at twelve volts and twelve watts. Let's also say the battery is a 12 volt battery. Any other questions? Okay.

"With the switch in position two, is the lamp in a complete circuit, anybody? Yes, lady in the back row again."

"Yes, the lamp is in a complete circuit, but it doesn't light."

"That's correct, but a deeper question is why doesn't the lamp light?"

Unable to resist any longer Hambone shoots up his hand.

"Yes, gentleman right here in the front row. Please stand up. If I remember correctly, you were in my class last Spring. Your name is Hambone, isn't it?"

"Go for it!" whispers Dude, loudly.

Surprised by his sudden loss of anonymity, Hambone rises and replies, "Yes, yes it is."

Hambone cont'd

"Well, Hambone, why do you think the lamp doesn't light?"

"It doesn't light because there are no electrons in the circuit. It takes electrons from the battery to make the lamp light. Everybody knows that." Hambone sits down satisfied with his answer, but the professor is not.

"Hambone," he continues, "the lamp and the wires and everything else are all made out of atoms and molecules, are they not?"

"Yes," answers Hambone, not sure where this is going.

"And atoms and molecules are made out of neutrons as well as positively charged protons and negatively charged electrons, aren't they?"

"I guess so," replies Hambone feeling like he is walking into a trap.

"All that said," continued the professor returning his gaze to the general audience, "Would you expect to get a shock if you touched the lamp of the wires leading to it? Anybody?"

"What was that all about," asked Dude in a low whisper.

"I sort of gave him a hard time when I was in his class. I think this is revenge. But don't worry. I can handle him. I know his tricks."

"We'll see. So far, I don't think he is sweating."

"Yes, Tim in the third row, would you expect to get a shock?"

"No, because the lamp and other parts are electrically neutral. The positive charge of the protons is exactly canceled out by the negative charge of the electrons."

"So, Tim, how many electrons and protons would you say there are in the lamp and other parts?"

"Oh, I don't know, gazillions, maybe more."

"Thank you, Tim."

Returning his attention to Hambone, Bransle asks, "Hambone, you said that the lamp doesn't light because there are no electrons in the circuit. But Tim says that this lamp and its circuit are full of electrons. So, why doesn't the lamp light?"

"I, um... I don't know," murmured Hambone. "Maybe the battery adds more electrons?"

"Thank you! That's exactly the wrong answer I'm looking for!" exclaimed Bransle.

"Now who's sweating?" smirked Dude.

"It is commonly believed that a power source, in this case, the battery, provides electrons that flow like water through a pipe to a load such as a lamp. Surprise! That belief is wrong!"

"The battery doesn't supply electrons, they are already present in the wires and everything else. The battery simply pushes them along."

"What do you mean by pushes them along?" asked a voice from the back."

"Exactly what I said.

"Viewed from a distance, the battery is electrically neutral. It is only up close that we see that one end is more negatively charged than the other. This is because a chemical reaction inside the battery has caused a surplus of electrons to migrate to that end making that end negatively charged with respect to the other end.

"Since like charges repel and all electrons have the same negative charge, the really want to leave that battery. By setting the switch to position one, we provide a path and those electrons rush out of the battery."

"Professor!" shouted Hambone regaining a bit of his composure. "You first said that the number of electrons doesn't change, but now you're saying that electrons are rushing out of the battery. How can both statements be correct?"

Hambone cont'd

"Good question. Both are true because for every electron that leaves the negative battery terminal, one returns to the positive terminal. The total number of electrons doesn't change.

"When the chemical reaction inside the battery can no longer separate the electrons, the battery is considered dead.

"So, in summary, power supplies don't actually add electrons to a circuit. They just push around the electrons that are already there."

Turning to his brother, Dude whispered, "It's a good thing we came. Both of us were surprised and learned something new."

Hambone didn't answer.

"The second question we want to discuss is, how fast do electrons move through the wires?"

"I know! I know!" shouted Hambone from the front row.

"Okay, Hambone, how fast?"

"Pretty darn fast, almost the speed of light."

Returning his attention to the audience, Professor Bransle asks, "Who thinks Hambone is essentially correct when he says that the electrons travel at nearly the speed of light?"

Several of the braver students raised their hands slowly but hoped they would not be called on. The students who did not raise their hands looked away trying to avoid eye contact with the professor. Nevertheless, the professor singled out a boy in the third row and call on him.

"Ken, I don't mean to interrupt your browsing of Instagram, but you didn't put your hand up. That tells me that you don't agree with Hambone's assertion that electrons travel at almost the speed of light. How fast do you think they travel?"

With a red face, Ken nervously stood and replied, "I don't know, maybe the speed of sound?"

Ignoring some giggles, Bransle continued, "Thank you, Ken. While your guess is closer than Hambone's, it's still way too fast."

Relieved, Ken collapsed back into his seat.

"Surprise! The electrons actually move at only about one-thousandth of an inch per second."

"That can't be right!" exclaimed Hambone. "It that were true, nothing would work because the electrons from the power company wouldn't have gotten here, yet."

"I said this was a circus of surprises and that's surprise number two. The speed of electrons through the wires is called *drift velocity*. Drift velocity is the speed of electrons in a metal that is caused by applying an electric field. In this circuit, the battery supplies the electric field or voltage."

A young lady in the back row raised her hand and asked, "In physics we learned that the electrons re bouncing around really fast, maybe thousands or millions of miles per hour. How is this different?"

"The velocity you're thinking of is the Fermi velocity which is a quantum effect arising from the thermal and other energy carried by the electrons and atoms. Although it is very fast, it is totally random, so it does not result in any current. That's why we don't notice it."

"Okay," came a voice from the far corner of the hall. "If your drift velocity is so slow, how does electricity ever get anywhere?"

"Please, be still and learn."

Bransle picks up a black erasable marker and began to draw on the white board.

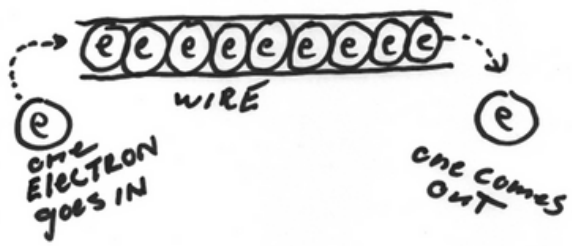
"This is a magnified view of a piece of the wire used in our little circuit. I haven't included the other parts because you've already seen them.

Hambone cont'd

"These little circles are electrons inside the wire. You see, the wire is full of electrons and all the electrons look the same and we can't tell one from another. When no voltage is applied, that is, the switch is in position two, the electrons just bounce around randomly inside the wire, but don't really go anywhere. But when we apply a voltage by putting the switch in position one, things change.

"Here the battery pushes electrons into its end of the wire. But since the wire is already full of electrons, the same number of electrons must be pushed out of the other end. In this case, into the lamp. It is analogous to a pipe full of marbles. You push a marble in one end and a different marble comes out the other. Although you push your marble in slowly, the far end marble come out right away. Because all the marbles look exactly alike, it looks like your marble traveled through the pipe very fast, but it didn't.

"It's the same with electrons.



"Surprise! That's your second surprise!"

"I didn't know that, did you?" asked Dude.

"Shush," said Hambone.

"For our third and greatest surprise, let's talk about laws. Universal physical laws that we all accept. Name some laws you're familiar with."

From across the room, students shouted out various names and Bransle listed them on the white board.

"That's good, Newton's Law, and yes, Ohm's Law, sure, Faraday's Law, Lentz's Law, Ampere's Law, great! That's enough. this is quite a list. But to quote the well-known philosopher, Big Bird, 'One of these things is not like the others.' Which one?"

No hands went up.

"Surprise! It's Ohm's Law!"

A collective gasp could be heard across the room.

"Yes, Ohm's Law which we have all grown to love and hold sacred is no a real universal law."

"But Professor," shouted Hambone, "Even our textbooks and other classes always call it a law. Are they all wrong? Or are you?"

"Calm down, Hambone. Nobody's wrong. We will always call your beloved formula, I=E/R, Ohm's Law because that's its popular name. But it is not actually a universal law."

"I guess he told you, Hammy," whispered Dude.

"Universal laws are derived from the fundamental constants like length, mass and time or meters, kilograms and seconds. Ohm's Law is not. It comes from the result of many, many measurements relating voltage, resistance and current together. None of these is a fundamental constant. For example, voltage is a type of force or energy, current is really the flow of charge and resistance is just the ratio between the first two.

"That doesn't make it any less useful and we will continue to use it in solving many interesting and puzzling problems. But keep in mind that as you progress in your studies, you may find situations in which it doesn't exactly apply. Don't get upset. Just remember what it really is.

"Well, that's it for today, thank you for coming and good luck in your Fall classes."

As the professor left the stage and the students left the hall, Dude commented to his brother, "Hammy, that was fun. I really liked the way you asked hard questions and really made him squirm. Yeah, he really squirmed."

"Dude, shut up!"

Jaimie "Unck" Charlton
ADØAB
Author of Hambone

This is Only a Test

Are you new to the hobby? Maybe you recently received your Technician class ticket and what you have learned is still fresh. Or maybe you have held your Extra class ticket for a while and have forgotten some of what you have learned. Regardless, let's keep those mental pencils sharp by reviewing some of the questions from each of the question pools. Only a Tech? Push yourself and try the higher class questions. You might surprise yourself and be encouraged to try your hand at upgrading!

Now with new General Pool questions!

1. T1D07 – What types of amateur stations can automatically retransmit the signals of other amateur stations?
   A. Auxiliary, beacon, or Earth stations
   B. Earth, repeater, or space stations
   C. Beacon, repeater, or space stations
   D. Repeater, auxiliary, or space stations

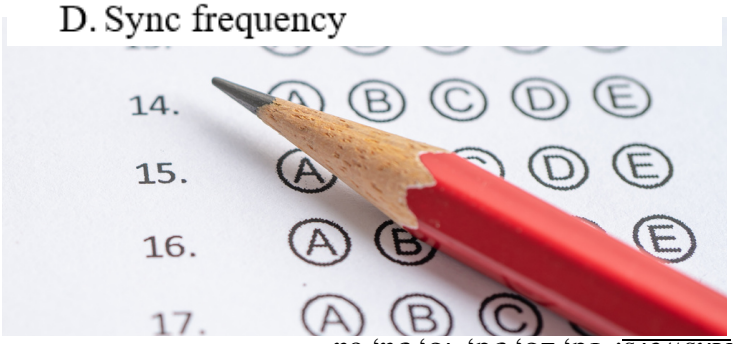
2. T5B09 – Which decibel value most closely represents a power increase from 5 watts to 10 watts?
   A. 2 dB
   B. 3 dB
   C. 5 dB
   D. 10 dB

3. G5A07 – What is the term for the inverse of impedance?
   A. Conductance
   B. Susceptance
   C. Reluctance
   D. Admittance

4. G2E05 – What is the standard sideband for JT65, JT9, FT4, or FT8 digital signal when using AFSK?
   A. LSB
   B. USB
   C. DSB
   D. SSB

5. E9H05 – What is the main drawback of a small wire-loop antenna for direction finding?
   A. It has a bidirectional pattern
   B. It has no clearly defined null
   C. It is practical for use only on VHF and higher bands
   D. All these choices are correct

6. E2B10 – What aspect of an analog slow-scan television signal encodes the brightness of the picture?
   A. Tone frequency
   B. Tone amplitude
   C. Sync amplitude
   D. Sync frequency



Answers: 1d, 2b, 3d, 4b, 5a, 6a

How did you do?

If you got them all correct, *Congrats!* If you hold a Tech or General class license, this may be the sign you need to work on that upgrade. Plenty of resources are available for study. Remember, JCRAC VE Team holds testing sessions on the first Tuesday of each month at 7 PM at the JoCo Library at 87th & Farley in OP.

SPECIAL NOTICE!!

Due to the Independence Day holiday on Tuesday, July 4, with the closure of the library as well as the club having two testing sessions during the month of June, there will be no testing session in July.

Also, on July 1, 2023, the General Class question pool was updated. If you have been studying for your General Class license, you may want to review the new question pool. The Amateur Extra pool updates July 1, 2024.

Meeting Minutes 05-12-2023

Johnson County Radio Amateurs Club

These minutes were approved by the membership in attendance at the 06-09-2023 meeting.

Meeting Date: Friday May 12, 2023. The meeting started at 7:00 PM.

Attendance: Self introduction with name and call sign. 36 signed the check in sheet. This was followed by the Pledge of Allegiance.

As per the new By-Laws, the Minutes of the previous meeting from March 10, 2023, were posted on the club website instead of being read. The posted minutes were approved with 1 opposed vote.

The Treasurer's report was red and accepted unanimously. Total paid membership is at 156.

Old Business:

- We welcomed all 1st time visitors to the meeting.
- Repeater Update – Bill Brinker, WAØCBW reported all Repeaters were up and repeating.
- Field Day 2023 – June 24 - 25. Set-up will be on Friday afternoon June 23. We will have a Club meeting at the Field Day site Friday evening at 7:00 pm with free ice cream afterwards. Field Day operations begin at 1:00 pm on Saturday June 24 and end at 1:00 pm Sunday afternoon at 1:00 pm. We will be having BBQ for dinner Saturday. All hands-on deck for tear down clean up and beginning at 1:01 pm Sunday.
- A motion was made and seconded to spend up to $2,000 on this year's Field Day expenses. A vote was taken, and it passed unanimously.
- The Club's VE team held a testing session on Tuesday May 7. We had 4 individuals that took 7 exams.
- May is the month that the Club provides volunteers to the Ensor Park and Museum. Look for a Sign-up list shortly. The Club does get a check from the City of Olathe for providing volunteers so it's a great fundraiser for the Club. Finally all that volunteer are entered into a drawing for a $100 gift certificate to Associated Radio.
- WW1USA Special Event station in conjunction with the NFL Draft took place on April 27-29. A total of 2,150 contacts were made over the 3-day event.

New Business:

- The 1st Meeting in June will be Club Elections.
- Ted Knapp, N0TEK as an employee of Hallmark Cards, Inc. has the opportunity to participate in Hallmark's Volunteer Program. The purpose of the Volunteer Program is to recognize Hallmark employees who have volunteered a minimum of 50 hours of service to a non-profit organization in a one-year period. As the club's Secretary and having met the non-profit qualification, the Hallmark Corporate Foundation has contributed $500 to the Club.
- Dave Porter, K0DVP announced a Net Control class will be taking place for anyone interested in how to be a Net Controller. More information to come.

Reports:

- 6 m – NR.
- 10 m SSB Roundtable – 6 on May 11, 7 (including Brazil) on May 4, 6 on April 27, and 4 on April 20.
- 40m SSB Roundtable – 2 on May 10, 5 on May 3, 5 on April 26, and 3 on April 19.

Meeting Minutes 05-12-2023 cont'd

- Fusion Digital 440 net – For the month of April (4 nets) there were a total of 48 check-ins with a low of 9 check-ins on April 19 and a high of 14 check-ins on April 26.
- 2m Wheat Shocker net – For the month of April (4 nets) there were a total of 62 check-ins with a low of 18 check-ins on April 13 and a high of 24 check-ins on April 27.
- HF Activity – NR.
- Pota Activation – 1.

Announcements:

- See Larry's List for any upcoming Public Service Events.

Business meeting adjourned at 7:40 PM.

Program:

The program was presented on rockets and how rocketry is connected to ham radio by Steve O'Neal, KFØBZX. Submitted by Ted Knapp, N0TEK Secretary.

Meeting Presentation 06-09-2023

For this club meeting, there was a business session conducted prior to our meeting presentation. The Meeting Minutes from this business session have not been approved by the membership at the time of this publication, but they are available for review on that club website at www.w0erh.org and will be voted on for approval by the membership at the July 14, 2023 meeting. Once approved, they will be published in the following issue of Feedback.

Upon conclusion of the business meeting, which included Club Officer elections, Jay Greenough, WJØX, led the club in discussing everything Field Day 2023 from set-up, break down, food, training, etc. The locations of each of the stations, the public welcome tent, and parking was presented on an aerial image of the Field Day site.

This meeting was held at JCCC in the ITC Building. Special thanks to Tom Wheeler, NØGSG, for assisting us in locating an alternative meeting site for this meeting.

Meeting Presentation 06-23-2023

Given the new club meeting format and this being the second meeting of the month, this meeting consisted of an extended program. Due to this meeting being the meeting on the Eve of Field Day 2023, this meeting was held at the Field Day site in Shawnee Mission Park. Jay Greenough, WJØX, went over the Field Day agenda for the weekend. John Raydo, KØIZ, held an HF clinic prior to the meeting to introduce new hams to proper HF operation and etiquette as well as freshen up the skills of the rusty HF operator. After the meeting, members were treated to ice cream from an ice cream truck, which was quite yummy on the warm Summer evening. A few club members stayed overnight to keep watch on our Field Day site and equipment. Club members did have the opportunity to stay after the meeting to work each of the stations, if they wished, to familiarize themselves with each station and the logging software. This also served as a great test of the equipment and antenna setups while allowing some to use radios powered in new ways to them as well as use antennas that they may not have used otherwise. It is rumored there was some decent propagation that evening for some DXing.

Field Day 2023

Field Day 2023 is in the books. The July 14, 2023 club meeting will go into a full review of the weekend including points scored, bonus points achieved, successes, failures, happy moments, maybe some sad moments, and more. Make sure to attend to get the full recap. In the meantime, here are some results to share and some photos courtesy of Tim Wiegman, KBØYQN, and Steve O'Neal, KFØBZX

Preliminary total score: 8,339

Bonus Points:

Bonus	Points	Status
100% emergency power	300	
Public location	100	
Public information table	100	File [Welcome-tent.jpg] previously uploaded
Formal message to ARRL SM/SEC	100	File [ARRL-sec-NTS.txt] previously uploaded
W1AW Field Day message	100	File [ARL-FD-msg23.txt] previously uploaded
Formal messages handled (10 x 10, max of 100)	100	File [FD-Messages-2023.txt] previously uploaded
Natural power QSOs completed	100	File [phone-with-solar.jpg] previously uploaded
Site visit by invited elected official	100	
Educational activity	100	
Youth participation (12 x 20, max of 100)	100	
Safety officer	100	Documented by Dig-safety-fd23.jpg
Social media	100	
GOTA Station	485	
GOTA Coach	100	
Entry submitted via web	50	
Total bonus points	**2,035**	

Score Summary - File [W0ERH.dup] previously uploaded

	CW	Digital	Phone	Total	
Total QSOs	606	471	998		
Total Points	1212	942	998	**3152**	**Claimed Score** = (QSO points x power mult) = **6,304**

Band/Mode QSO Breakdown:

	CW		Digital		Phone	
Band	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)
160m						
80m			38	30	22	100
40m	255	100	207	30		
20m	333	100	53	30	877	100
15m	16	100	173	30	1	100
10m	2	100				
6m					1	100
2m						
222						
432						
Other						
Satellite						
GOTA					97	100
Total	**606**		**471**		**998**	

Field Day Testing Report

The JCRAC VE Testing Team held a testing session at the Field Day site the morning prior to Field Day beginning. Kevin, ADØIM , has reported that 2 candidates passed their Technician Class exams, 1 candidate passed their General Class exam, and Jose, KFØLVY, passed his Amateur Extra Class exam. Congrats to all those who passed!

Field Day 2023 cont'd

Welcome sign on 87th St. courtesy of Ted NØTEK

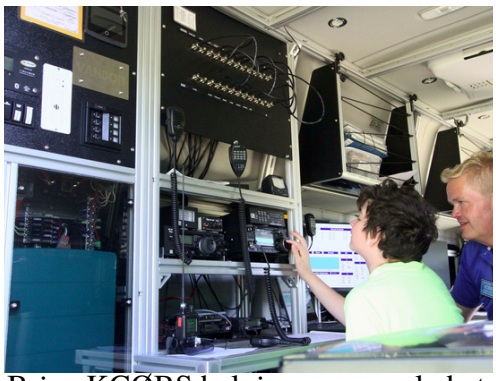

Welcome tent hosting all guests as well as testing and network ops.


Main tent with mesh networking for station logging & Kevin's ADØIM antenna for the demonstation station

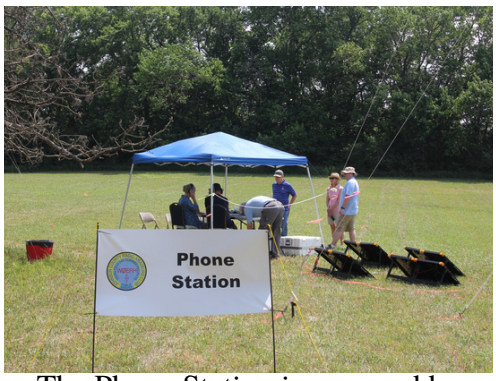

Salvation Army GOTA van, complete with A/C!

Salvation Army GOTA van deployed by Brian KCØBS


Brian KCØBS & Tim NØSZE in the GOTA van


Brian KCØBS helping a young lad at the GOTA Station


Erecting the 50-foot mast for the Phone Station's antenna



The Phone Station is powered by solar-charged batteries


John KØIZ and Curt NØJCM operating the Phone Station


Jose KFØLVY/AE and John KØIZ operating the Phone Station. Jose passed his Extra at the on-site testing

The Digital Station located in the heart of the Field Day Site

Field Day 2023 cont'd

The Digital Station had quite the interest as many were wanting to learn about this mode

Ted NØTEK and Herb NZØF steering the Digital Station Sunday

The CW Station located on the western edge of the Field Day site

Our team of Morse Code paddlers is quite robust... and yellow

Doc NØCVW and Joel KØJEM hard at work automating their CW calls

Kevin ADØIM at the Demonstration Station in the main tent operating a some CW on the side

Dave KØDVP explaining Ham radio to some guests

Breaking down the Phone Station masts Sunday afternoon

Jay WJØX discussing all things Field Day on the Eve of Field Day

Several bearded club members were in attendance at the club meeting on the Eve of Field Day

Jaimie ADØAB sharing Field Day stories with John KØIZ and an intrigued Jose KFØLVY

Meeting attendees lining up for the main attraction of the Friday night meeting... *ICE CREAM!!*

Intentional QRM

A chicken walks into a library up to the librarian and says, "BOOK! BOOK! BOOK!" Not knowing exactly what the chicken wants, she gets 3 books and hands them to the chicken. Satisfied, the chicken leaves.

The next day, the chicken returns with the 3 books. It goes back to the librarian and again says, "BOOK! BOOK! BOOK!" The librarian takes the 3 original books, find 3 new books, and hands them to the chicken. Satisfied, the chicken leaves.

The next day, the chicken returns yet again with those 3 new books and gives them back to the librarian. It repeats its request, "BOOK! BOOK! BOOK!" The librarian finds another 3 books and gives them to the chicken. This time, when the chicken leaves, she decides to follow it.

The librarian follows the chicken to a local pond where she sees the chicken give the 3 books to a frog. The frog goes through the 3 books and croaks out, "READ IT! READ IT! READ IT!"

What is a CW operator's favorite seasoning?

Mrs. Dash

Ensorfest 23

Coming this August, the Ensor Park and Museum is celebrating 100 years of Amateur Radio on the Ensor Farm.

The celebration is on Saturday, August 12, 2023 starting at 4:30 PM CDT. Some of the activities include:

- A Morse Code Workshop
- Tours of simulation of Marshal Ensor's woodworking shop at Olathe High School
- Tractor and Implement Display and Demonstration (1941 John Deere)

Starting at 6:30 PM, the Pheasant Pluckers will serenade the grounds with Bluegrass music.

Food will be available on the grounds.
Ensor Park and Museum is located in Olathe at:

18995 W. 183rd Street, Olathe, KS 66062

Take US 169 south from I-35 in Olathe approximately 4 miles. Turn left on 183rd Street and go east approximately 1 mile. Ensor Farm is on the south side of the street. Turn right into the property.

Upcoming Public Service Events

Lots of Public Service Events are occurring in the next few months now that summer is here. These events allow us an opportunity to serve our communities while meetings other Hams, testing our equipment, and honing our skills. If you are interested in helping with any of these events, send an email to the Point of Contact provided.

July 9 - Shawnee Mission Park Marathon - Mike R. KØKCK - wmralls@comcast.net

July 15 - Lenexa Moonlight Bike Ride - Steve R. WDØDPB - wd0dpb@comcast.net

August 6 - Sunflower to Roses Bike Event - OP - Steve L. KDØEKS - stevekd0eks@gmail.com

August 12 - Kill Creek Adult Triathlon, DeSoto - Mike R. KØKCK - wmralls@comcast.net

August 19 - Kill Creek Kids' Triathlon, DeSoto - Mike R. KØKCK - wmralls@comcast.net

August 20 - Summer Breeze Bike Ride, Longview Lake - Ray E. KØRSE - rerlichman@kc.rr.com

From the Editor

Here it is, July, and Field Day 2023 is in the books. If I could describe Field Day using only one word, it would have to be "Amazing!" And I mean that is so many different ways.

First, it has been nearly 20 years since I have participated in a Field Day event, and over 20 years since I have participated in a JCRAC Field Day event. The technology has changed *A LOT!* We used to have to haul out heavy, noisy generators to power our stations. Today, the generators we used were very quiet and used sparingly. Why? Solar and battery tech has vastly improved. Sure, we had solar back in the late 1990s, but the operational limits left us only using it for a few contacts. This year, the Phone station made all its contacts via solar power. AMAZING!

Next are the radios. The radios have gotten smaller and more powerful. Thanks to software, filtering is better and the audio heard is so much clearer. The ease of using the radios today has improved. I remember having to lug out these large, heavy rigs full of knobs and backlit displays. Not this time. Touchscreen displays replace those backlit meters and a couple taps and a quick tune and you are on a different band in just a few seconds. AMAZING!

Then there are the people. It was so exciting seeing newly licensed members belly up to a station and just go to town making contacts. I'm sure some of this is the result of the WW1USA Special Event station we did just a couple months ago paired with the awesome HF classes put on my John Raydo, KØIZ. I'm sure these new licensees also took some time logging contacts so that they could hear what a proper contact sounds like.

And further with the people, the visitors we had that hopped on the GOTA station. I seem to recall that it was a real challenge to get visitors to key the mic. Maybe it was the cool (temperature and allure) van Brian Short, KCØBS, set up. It could have been the welcome signs Ted Knapp, NØTEK, provided. Regardless, the public outreach was AMAZING!

It was also great to see old club members come back. Jokingly, I posted an old non-flattering photo of Tim McCuiston, NØSZE, to my Facebook on Saturday afternoon wondering if he would make an appearance. Honestly, I didn't think he would even see it in time. Well, joke's on me! He did see it and arrived just as Brian Short, KCØBS, and I were heading out for a QT run. It was so nice to see an old friend come back for Field Day. And I know he wasn't the only one. So, again, to me, bringing back old friends... AMAZING!

And of course the veteran operators in the group, the Elmers if you will, shared their knowledge to the newer operators. This is what this hobby is about, and to see it in action... AMAZING!

Combine all these things with our score, and the stunning number of bonus points we racked up, to me, Field Day 2023 was AMAZING!

Now, back to the Elmer thing quickly...We have a lot of newer licensees in the club. While the books teach the theory behind the hobby, practice is where the real education begins. Those new hams could use some Elmers to help them truly learn the hobby. I would like to create a list that we can share here in *FEEDBACK* of club members that are willing to share their time and knowledge. I know that no one person knows everything about everything in the hobby, but many of us know a lot about a couple areas. So, if you are willing to be listed as an "Elmer resource," please let me know and tell me what your specialty is. It can be dipole antennas, CW, making a go box, POTA, EME, coax loss calculations, anything. I know there are members looking for some guidance and it would be nice for them to have a reference of who to turn to first.

So, would you like to be an Elmer resource?

73

Tim Wiegman, Jr.
KBØYQN

What's Your Traffic?

Have something you'd like to announce to the club? What about a useful Tech Tip? Is there club member that should be spotlighted? Photos from a presentation?

Your input including ideas, photos, news bits, etc. will help me curate the monthly "Feedback" newsletters. Together, we can create an awesome publication to advance and further the Amateur Radio hobby.

Submit a contribution by emailing me at twiegman+feedback@gmail.com

Thank you to those that submit photos for events and meetings as well as provide tech tips and other information.

Club Nets

The club has weekly next on Wednesday and Thursday. It is a great way to test your equipment. Many public service events conduct their communications in a similar way, so this is also a great way to gain experience applicable to assisting in public service events.

Wednesday @ 1900 - Yaesu System Fusion net via Kansas City Room, also accessible from select local KC repeaters (visit www.kansascityroom.com for list)

Wednesday @ Conclusion of YSF net - 40M Roundtable ***near*** 7.273 MHz LSB

Thursday @ 1900 - Wheatshocker analog net on 145.29 MHz club analog repeater (negative offset, PL Tone of 151.4 Hz)

Thursday @ Conclusion of analog net - 10M Afterglow net on 28.475 MHz USB (within Technician Class portion of band)

Need Club Swag?

If want to show off your JCRAC pride and need some club swag, you may order some by visiting the "Store" tab on the club website where you can purchase hats, patches, name badges and shirts. Also, some items along with other goodies may be available for purchase at club meetings.

Club website: https://www.w0erh.org

FEEDBACK

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