

Q-FIVER

The Official Newsletter of the OH-KY-IN Amateur Radio Society

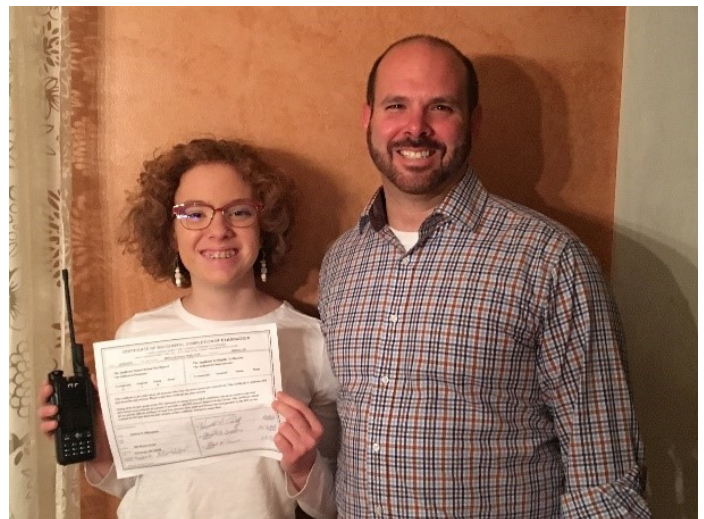


The President's Corner

Wow! What a heat wave! Yesterday was 77 degrees! In February! I had an inspiration just before dinner time to fire up the grill! Who knows when I will get to do that again. Today of course is rainy and flooding is expected around the area. That's the Cincinnati area for you!

Welcome Jerry Shipp (W1SCR) to the position of Vice-President! Jerry brings a great deal of experience to the post, as well as a real enthusiasm for the hobby. Thank you, Jerry, for stepping up to serve! Our February meeting was well attended with some very timely information. Tom Delaney gave us a nice rundown of the recent issues facing the ARRL so as to answer questions and bring some sense to all the rumors floating about. With the resignation/retirement of the current president of the ARRL the board has reconsidered some of the more controversial steps which have been taken over the last couple of years, and is reviewing policies and procedures, while welcoming feedback from membership. Thanks Tom!

We also discussed and demonstrated WSJT-X, particularly FT8, a mode which is sweeping the amateur world. The mode is robust, already mature, and being used by DXpeditions around the world, as well as folks interested in DX chasing and filling out their WAS ((Worked All States) needs on multiple bands. Once again we have exciting news of one of our own passing their Technician license: 13-yr old Julianna DiBenedetto passed her Technician's license test on Feb. 8th!! Way to go Julia!! Julia has been active with the club for several years, having been at several field days, many meetings, and even operating the GOTA stations. She has put up with our good-natured ribbing about getting her license, so now we'll give her a bit of a break, at least until it is time for her to get her General ticket! She plans to study for that over the summer when school is out.



Julia has the call sign KE8IUU, so make sure you say hello when you hear her on the air. And of course, congratulate her proud Dad who has encouraged her along the way. Way to go Dad!!

In our March meeting we have what promises to be a great presentation by Ohio Section Manager Scott Yonally N8SY on DMR Radios, with some bonus tips and tricks! Many in our club have purchased DMR radios, and more want to, but need a little help understanding this commercial technology which has been brought into the amateur world. Scott will try to demystify some of the terms and operational schemes of this mode. I know I need the help!

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2018 Board of Directors

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Jerry Shipp W1SCR.....(513) 309-4550 w1scr@arrl.net

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OH-KY-IN Repeaters

146.670 (-) Clifton

146.625 *(-) Edgewood

146.925 *(-) Delhi

443.7625 *(+5) Clifton

A CTCSS (PL) tone of 123.0 Hz is required for access to all OH-KY-IN repeaters. All repeaters also transmit a CTCSS (PL) tone of 123.0 Hz

** Fusion Repeater*

APRS on 144.390 mHz

K8SCH-10 Edgewood WIDEn

Packet on 145.010 mHz

K8SCH-7 Digipeater

For membership information, please contact Nathan Ciufo KA3MTT, 6323 Cinnamon Ridge Dr, Burlington KY 41005, (859) 586-2435 or Email membership@ohkyin.org. Renewals of Club Memberships are due by the end of March. Permission is hereby granted to any amateur radio group to quote or reprint from this publication, if proper source credit is given, unless permission is otherwise reserved.

THE Q-FIVER is now mailed & e-mailed, it's hoped, a week before the club meeting.

Normally copy deadline is the weekend before that. Please send your submissions for THE Q-FIVER (including notice of upgrades & callsign changes) to Brian K4BRI

These may be: snail-mailed to or dropped off at 6901 Backus Drive, Alexandria KY 41001 or telephoned to (859) 635-3095 any time



Oh-Ky-In Life Members

John Phelps N8JTP

Kenneth E Wolf N8WYC

John W Hughes AI4DA

Karl R Kaucher KK4KRK

Howard Hunt NG8P

Fred Schneider K9OHE

Roger Higley W8CRK

Dan Curtain KF4AV

2018 Committee Chairs and Appointments

Newcomers/Elmers Net..... Robert Gulley AK3Q
 Technical Operations Group Eric Neiheisel, N8YC
 ARPSC Representative.....Jerry Shipp W1SCR
 Volunteer ExaminersBrian DeYoung K4BRI
 QCEN Representative Pat Maley KD8PAT
 Membership Nathan Ciufu KA3MTT
 Fundraising Bruce Vanselow N8BV
 Education Michael Niehaus KD8ZLB
 Repeater Control Ops Mgr Bruce Vanselow N8BV
 PIOTed Morris NC8V
 Librarian Justin Moore KE8COY
 Digital GroupJerry Shipp W1SCR

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 Field Day..... Eric Neiheisel N8YC
 Historian Dale Vanselow KC8HQ5
 Special Publications Jo Haltermon KD4PYS
 Fox Hunters Dick Arnett WB4SUV
 Equipment MgrFred Schneider K9OHE
 WebMaster George Gardei N3VQW
 Silent KeyBruce Vanselow N8BV
 Tech Talk Net MgrBruce Vanselow N8BV
 K8SCH QSL Mgr Bob Frey WA6EZV
 TV/RFI Dick Arnett WB4SUV
 HamFest Gary Coffey KB8MYC

The date of the Board meetings has been changed to the second Tuesday of the month—still at My Neighbor’s Place 3150 Harrison Ave at 7PM. Board meetings are open to all.

March Calendar

- Sun Mar 4 6:30 PM Newcomers/Elmers Net, 146.67,
 Topic: **Computers and Amateur Radio**
- Tue Mar 6 7:30 PM Club Meeting in St Bernard—
 Topic: **DMR—Scott Yonnaly N8SY**
- Wed Mar 7 9:00 PM Tech Talk, NCS Robert AK3Q
- Sat Mar 10 10:00 AM Monthly ARDF Style Foxhunt—French Park—80 meter hunt—starts at 10:00 AM
 1:00 PM Brunch Bunch at **Frischs Big Boy Restaurant**
5216 Glenway Avenue, 45238, in Price Hill
- Sun Mar 11 6:30 PM Newcomers/Elmers Net, 146.67,
 Topic: **ARRL And Why (I Believe) You Should Be A Member**
- Tue Mar 13 7:00 PM Board of Directors meeting at My Neighbor’s place –3150 Harrison Ave.
- Wed Mar 14 9:00 PM Tech Talk, NCS Eric N8YC
- Sun Mar 18 6:30 PM Newcomers/Elmers Net, 146.67,
 Topic: **Hunting Down Used Equipment**
- Wed Mar 21 9:00 PM Tech Talk, NCS Dale, KC8HQ5
- Sun Mar 25 6:30 PM Newcomers/Elmers Net, 146.67,
 Topic: **Speakers, Headphones, and Microphones**
- Wed Mar 28 9:00 PM Tech Talk, NCS George N3VQW

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Bruce, N8BV, announced for those of you who are operating packet radio on 145.010, the K8SCH-7 Ka-Node and UC digipeater is back on the air. It is located very near the University of Cincinnati. Signal reports etc., are welcome at N8BV-1 or at n8bv@juno.com

Finally, I want to make a plug for folks to make use of our repeaters – we have 4 of them, not just the 670 repeater! They provide good coverage of the greater Cincinnati area, and they are there for your use! I know I like talking radio with folks, and I bet you do too. So put a call out and start a conversation in which you want to participate!!

I hope to see you all at the March meeting!

Cheers! Robert AK3Q

The Music of Radio: The Radiophonic Laboratory

By Justin Patrick Moore, KE8COY

♪ Radio is the perfect medium for the diffusion of electronic music. The unpredictable sounds coming from radios are also a perfect source material. In many cases the production studios available at broadcast facilities made them the first laboratories for the scientific investigation of sound, for the sole purpose of making music, to be used by electronic music pioneers. Likewise these stations became the first to introduce electronic and other avant-garde music to the public. Such was the case with *Westdeutscher Rundfunk*, or WDR, the German public broadcasting institution located in Cologne. Their Studio for Electronic Music was the first of its kind in the world and became an epicenter for musicians working in the new medium. On the broadcasting side the WDR promoted new music through unique programming that included radio lectures, the playing of live and recorded music, and commissioning new works from composers working in the field.

The story begins with Herbert Heimert, a student of musical theory and devotee of the atonal serialist composer Arnold Schoenberg. At the age of 24 while still a student at Cologne Heimert published his first book, *Atonal Music Theory*. He followed this with a twelve-tone string quartet for his end-of-term examination in composition. This piece became the cause of a



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heated dispute with his teacher. This was in the early 1920's and at this time Schoenberg's work was considered intellectually decadent; as the Nazi's rose to power in Germany, his work came to be labeled as degenerate music, and the composer emigrated to America to escape persecution. Heimert was found guilty association just for following Schoenberg's theories, and was expelled from the composition class for his decadent string quartet.

Heimert was only temporarily thwarted by his teachers rigid adherence to tradition. His activities as a student were just the beginning of a long and industrious career promoting new developments music and educating the public about them. A few years later he found himself employed by Cologne Radio (-then NWDR) while working on his doctorate and writing articles for various music magazines and journals. He kept up this pace of activity on through WWII. In the aftermath he found himself the first salaried employee of WDR under the administration of the British occupying forces.

After gaining more influence and moving a few steps up the ladder at the station in 1948 he initiated the *Musikalische Nachtprogramme* or late-night music programs. He was the director of and a presenter of these programs until 1965. The tradition of playing avant-garde, intellectually demanding, or just plain weird music on late night radio programs has its beginning with Heimert in Germany. It was on these late night music shows that Heimert was able to showcase works by new composers and the first forays into recorded electronic music.

At the same time as Herbert was plugging along on his inspired path, another man was carving away at his. The two men would join forces at WDR in due time. Werner Meyer-Eppler was a Belgian-born German who worked in physics, experimental acoustics, phonetics and was also an early information theorist. During the war he was an assistant at the Physics Institute of the University of Bonn. Afterwards he focused his efforts on phonetics, in particular speech synthesis. Recruited into the Bonn's Phonetic Institute he started to publish essays on synthetic language production and gave presentations on American inventions like the Coder, the Vocoder, and the Visible Speech Machine. He was on the team who developed the electrolarynx, a device that continues to be used by people who are speech-impaired.

Through his work on speech synthesis Meyer-Eppler also became interested in making music through purely electronic means and published a book in 1949 titled *Electronic sound production: Electronic music and Synthetic speech*, promoting his ideas. Ten years later he published what is seen to be his most important book, *Basic Principles and Applications of Communications Theory*.

Since Heimert had been an advocate of new music since his days as a student, he was well acquainted with musical outliers. The development of electronic music technology throughout the thirties and forties was just one of many pulses his busy fingers were watching. Aware of Meyer-Eppler's phonetics research at the Bonn, he was quick to realize it had implications that would be of use to composers and musicians.

There exists a close relationship between the way speech sounds and music are organized. Meyer-Eppler had applied his knowledge of information theory, in the form of statistical and probabilistic analysis to study change in the units of speech over time. One of the methods Meyer-Eppler used to study speech was the cut-up method, later made famous by author William S. Burroughs. Werner would take tape recordings of speech, cut them up into individual sounds, and later reassemble, or edit the tape, to make synthetic words and phrases. Heimert had heard these experiments and it convinced him of the need for the creation of an electronic music studio where sound could be explored from both a scientific standpoint of research into tone synthesis

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and the underlying principles of music organization and perception, and with an aesthetic agenda towards pushing against the boundaries of compositional practice.

In 1951 Eimert launched another broadcast series, *Die Klangwelt der elektronische Musik*, or the sound world of Electronic Music, that was a spin off of his popular late night music program. The first show aired on October 18, 1951. A meeting had been held on the same day as the broadcast with WDR's general manager about the establishment of a Studio for Electronic Music. Those at the meeting included Heimert, Werner Meyer-Eppler, and others working in this area such as Robert Beyer and Fritz Enkel. The general manager gave the greenlight for the project and a new chapter in musical history was born. The studio was promoted as the first of its kind 'to produce new musical material and to study the problems of its production and processing systematically'.

The original equipment in the studio consisted of a Trautonium, a kind of proto-synthesizer developed by Dr Friedrich Trautwein. Modified to Meyer-Eppler's specification it was called an Electronic Monochord. There was also the Melochord invented by Harald Bode. Besides those instruments the studio consisted of signal generators: sine, rectangular, sawtooth and noise; filters: octave, third, radio drama (W49) filters; a pulse generator; ring modulator; oscilloscope; rotary speaker for recording spatial sounds; echo and reverb chambers: the reverb chamber being a large empty room where sounds could be played through speakers and re-recorded with the room ambience added; sixteen channel (2 X 8 channel) audio mixer; patchbay to route modules; tape Machines: several mono, 2-track and one 4-track (one of the earliest 4-track recorders made) tape recorders and a 'Springer' variable speed tape recorder with a rotating 6-fold playback head.

Many new composers worked in this studio throughout its heyday in the 50's and 60's. These included György Ligeti, Nam June Paik, and Gottfried Michael Koenig among many others. Their names are all overshadowed by that of Karlheinz Stockhausen, who had been studying under Meyer-Eppler and later succeeded Heimert as the director of the WDR's Electronic Music Studio in 1962. Next months column will focus on some of the compositions Stockhausen created at the studio, and at Japan's NHK studio which followed the WDR's example, before turning to Stockhausen's fascination with, and incorporation, shortwave radio into a number of his pieces of music.

Sources:

The Works of Karlheinz Stockhausen by Robin Maconie, 2nd edition, Clarendon Press, Oxford, 1990.

New Music, New Allies: American Experimental Music in West Germany from the Zero Hour to Reunification by Amy C. Beal, University of California Press, Berkeley, 2006

Live Wires: A History of Electronic Music by Daniel Warner, Reaktion Books, London, 2017

[https://en.wikipedia.org/wiki/Studio_for_Electronic_Music_\(WDR\)](https://en.wikipedia.org/wiki/Studio_for_Electronic_Music_(WDR))

<http://120years.net/wdr-electronic-music-studio-germany-1951/>

https://en.wikipedia.org/wiki/Herbert_Eimert

https://en.wikipedia.org/wiki/Werner_Meyer-Eppler

From Artist to Technician

A Creative Person's Journey Into Ham Radio

Having a lot of nieces and nephews, the Toys R Us theme is a very familiar song to me. Due to this, I shouldn't have been surprised when my Mic Fright began to repeat in my head in accordance with that theme:

I don't wanna mess up

I'm a Ham Radio Kid

There's a million mistakes that I can make

I don't wanna be a Lid

I thought taking the test, even for Technician Class, was stressful. You see, I'm an artist and a writer. The left side of my brain is very exercised. Actually, I imagine that the left side of my brain is enlarging my head and maybe even sporting a six pack, whereas the right side of my brain is atrophied from lack of use. In addition to this, I'm an Appalachian – an Appalachian who grew up in a generation when women used creativity to keep the home fires burning and left the mechanical and the technical to the men. So, in addition to my right brain atrophy, I had to conquer my own gender stereotypes. These things made the Technician exam a very frightening endeavor for me. Fortunately, taking practice tests helped me understand what I needed to study more and made the test not nearly as bad as I thought it would be.

I passed the test. Yay!

The test was nothing compared to the Mic fright I am now experiencing as a Technician Class Amateur. Fear stuttering aside, it isn't quite like the study guide describes it when the mic is in your face and an unknown number of people are listening to you. I say my call sign to announce my presence on the air, and I immediately begin to ask myself if I followed protocol in doing so. That leads to a series of self-doubting thoughts, and this series is nothing like a series circuit – it keeps on going even when one burns out. My brain goes into overdrive. Oh my word, I think the book said I should say their call sign first and then my own. What's their call sign? How can I remember other people's call signs when I'm so nervous I can't even remember their names? Suddenly, I realize I've been talking for ten minutes and must say my call sign again – but someone else is talking, and oh No, he's in a conversation. Should I break in between the two of them to say my call sign, or would that be rude? But, if I don't say my call sign close enough to ten minutes, will the FCC lower the boom? Experiencing several similar doubts leads me to get off the air. I know I'm supposed to say 73. 73, yes, 73. Don't say 88 unless you want to explain to your husband how you got a date. But, do you say anything else besides 73. Do I say my call sign again? I'm Appalachian, so I find myself wondering if saying "Well, butter my biscuits" when I find myself feeling frustrated will be understood, and if it is – will I be guilty of using profanity on the air? Would someone please hand me a towel? I wipe my brow and then realize that my anti-perspirant isn't working, and I need to change my shirt. 73 – I simply must get off the air now.

Why am I so nervous? I of all people should not be nervous. My husband holds an Extra Class license. I have an Elmer right in my own home. "Calm down," he tells me. If he really believed I had the ability to calm down, would he have bought me a bottle of Merlot before he said that to me? "You don't have to talk unless you want to?" he says. "Keep the radio on as often as your responsibilities will allow you to, and listen to how other people do it. You will learn by their example and soon will be much more comfortable talking on the air."

That makes sense. I was just sure I would never pass the test, and I did. Surely, I can overcome my mic fright, too. Such good advice from my Elmer. I turn my radio on and pour myself a glass of Merlot. Good thing I'm only listening tonight, because I wouldn't want to slur my words on the air. That just might get me labeled a Lid. I have a plan of action, listen and learn. I can do that – with a little help from my wine, oops, I mean my Elmer.

Rhonda Partin-Sharp KE8IFV

February 6th 2018 Meeting Minutes

The meeting was called to order at 7:30 PM by Robert AK3Q leading with the Pledge of Allegiance.

Guests: 3

Self Introductions: 39

Membership: 89 as of 2/5/2018

Silent Keys: Bruce N8BV reported Jerry Weimer - KD8ASL, OH-KY-IN's former QSL Manager, passed away on January 30th at the age of 78. Memorial will be held on 2/10/18 from 11:00 AM to 1:00 PM at Lakeside Christian Church, 195 Buttermilk Pike Lakeside Park, KY 41071. In lieu of flowers, please donate to Cincinnati VA.

New License or upgrades: Archibald, one of our visitors, is a new ham since December.

Brag Sessions: none

Brunch Bunch: Bruce N8BV reports that the next Brunch Bunch will be this Saturday, 2/10/2018 at 1:00 PM where it all began seven years ago at Chili Time in St Bernard, 4727 Vine St, Cincinnati, OH 45217.

Past Meeting Minutes: The January Member Meeting Minutes were accepted as amended in the February 2018 Q-Fiver.

Treasurer: Brian K4BRI submitted the January 2018 Treasurer's Report; it was filed for audit.

Tech Committee: Eric N8YC reports the following:

- The 670 repeater will lose its 1 second delay with some pending modifications being made to the controller.
- The repeaters will be getting their cavity filters tuned soon.
- All repeaters are up and operations.

Education: Mike KD8ZLB reports the following:

- A ten-week Amateur Extra license class will start on February 26th and run through April 30th. The class will meet on Mondays from 7:00 PM to 9:00 PM at Trinity Lutheran Church, 1553 Kinney Ave., Cincinnati, OH 45231.
- A five-week Tech and General license class will start on April 2nd and run through April 30th. This class will also meet on Mondays from 7:00 PM to 9:00 PM, but at the Greater Cincinnati American Red Cross, 2111 Dana Ave., Cincinnati, OH 45207.
- An exam session is being held on the following Saturday, May 5th at 9:00 AM at St Bernard's Centennial Hall, 110 Washington Ave., St Bernard, OH 45217.
- For questions or to register, please contact Mike Neihaus - KD8ZLB at kd8zlb@gmail.com.

Life Membership: Roger Higley - W8CRK is our newest life member. Congratulations!

Old Business:

- Need to appoint committee to audit the treasurer's reports, sometime in March.

New Business:

- Bob WA6EZV reports the Bouvet Island DXpedition has run into too many insurmountable difficulties and has turned back home.
- Bob WA6EZV also reports that since June 21, 2017, Kosovo has been added back to the DXCC list, which currently stands at 340.
- Mike KD8ZLB discussed the Cystic Fibrosis Bike Ride for 2018, it will be on September 15th this year. Due to a prior commitment, someone will need to step up and fill in for Mike.
- OH-KY-IN's hamfest was briefly brought up due to it coinciding last year with the CF Bike Ride. A date of September 22nd was mentioned, but more research is needed to avoid other popular hamfests in September.
- Tom Delaney W8WTD, Vice Director of the ARRL Great Lakes Division was a guest speaker and gave the club an update on the ARRL. The following are some highlights:
 - CEO Tom Gallagher NY2RF retired suddenly; the ARRL staff was devastated. Three hallmarks of his tenure were being a financial guy, he added accountability to the organization, he was very good at motivating the staff and he examine programs for viability and how to make them better.
 - Past Great Lakes Director and silent key Jim Weaver K8JE helped establish a process and committee to select a new CEO and that process has already started.
 - The Board of Directors met recently and addressed the perceived controversy. One item is transparency and making the board meeting minutes with votes available. Another was the dropping of certain controversial provisions to the code of conduct, in particular around the discussion of voting. They also are working to improve relationships with the staff. There are still matters that remain secret such as personal matters and some financial matters.
 - Tom is always available to talk, so if you have any concerns, contact him anytime!
 - Tom is currently sitting on two committees: education and licensing. He feels strongly about giving tech license holders some more limited privileges on the HF bands outside of the current CW privileges. Also, lifelong learning; there is a new position opening at the ARRL for a Lifelong Learning Manager.
 - Questions for Tom:
 - ARES? Dale Williams WA8EFK, the ARRL Great Lakes Division Director heads the committee and is looking for feedback. Expect new things to be rolling out soon.
 - Youth? Education and licensing: how to get youth interested in amateur radio is a hot item.

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- QCEN: Pat KD8PAT reports they are testing out a new time for the next two meetings on Saturdays instead of Fridays.
 - The next meeting will be on Saturday, 2/17/2018 at 10:00 AM at the American Red Cross, 2111 Dana Avenue, Cincinnati, OH 45207.
 - The February meeting will review disaster planning.
 - The March meeting will cover building simple antennas.
- ARES: Bryan KC8EGV reported the POD exercise on Saturday, January 27th went well; it was the first ever drive through exercise.
 - ARES successfully provided backup communications for the recent visit by the President and First Lady to Cincinnati.
 - The next meeting will be Tuesday, 2/20/2018 at 7:00 PM at the Hamilton County Environmental and Public Health offices, 250 William Howard Taft Rd Cincinnati, OH 45219.
 - Stay tuned for the second week in March! Volunteers will be needed.
- Winter Field Day: Michael KD8SOH reported a successful operation. Great work teaming up with QCEN. 30 people helped out on four transmitters totally 6,504 points.
- The meeting was recessed at 8:06 PM and resumed at 8:20 PM
- Robert AK3Q announced the board appointed Jerry Shipp W1SCR as Vice President. Congratulations!
- Rhonda E8IFV has published a novel, "The Blood Moon Sealed My Fate", and has several copies for club members donated by her publisher. Congratulations and thanks!

Program: Robert AK3Q presented on Weak Signal Modes using the WSJT-X software suite.

Next month's program: ARRL Ohio Section Manager Scott Yonally N8SY will present DMR.

Door Prize: The book Arduino for Ham Radio was the door prize, won by Mike KD8ZLB.

Split the Pot: Took in \$168 and Brian K4BRI won \$84.

Next meeting will be on Tuesday, March 6th at 7:30 PM EST at the Saint Bernard Municipal Building, 120 Washington Avenue, Saint Bernard, OH 45217.

The meeting adjourned at 9:16 PM EST.

Respectfully submitted, Cesi KD8OQB, Secretary

Hamilton County ARES February Activities

Hamilton County ARES Activities of 2018

Members of ARES were called in to the radio room at the regional operations center to be on standby during the President Trump's recent visit to Blue Ash on February 5th.

Later that day Marty Newhall, KE8CEI, known by some as the president of the Cincinnati Eye Institute, acted as net control for the Hamilton County Emergency Communications Net. This net happens on the first monday of every month at 7pm local time. All amateurs are invited to participate in this net on the 146.670 repeater whether or not they are a member of ARES.

The past two weeks ARES members have found themselves in monitor mode. In particular monitoring local weather and news bulletins from the National Weather Service towards keeping an eye on the Ohio River as it moved from minor flood level towards just below moderate flood level. If flooding reaches a point where HamCo ARES is asked to help, members could be tasked with assisting in flood spotting at various locations, damage assessment, shelter comms assistance (as a supplement to QCEN), and just to act as extra hands for any of the served agencies.

Back in the end of January members volunteered for a Pod exercise in conjunction with the Health Department out in Loveland. Here are some pictures from the event!



Brunch Bunch

The next Brunch Bunch will be held Saturday, March 10th, at 1pm. The location for March is Frischs Big Boy Restaurant located at 5216 Glenway Avenue, 45238, in Price Hill. It is directly across the street from the intersection of Glenway Avenue and Sidney Road. This location is well known as Price Hill Frischs.

Over the years the Frischs Big Boy has greeted guests with his happy smile and the signature Big Boy hamburger located just outside the door to its restaurants.

For a look at the Frischs menu go to:
www.frischs.com

Remember that the Brunch Bunch always meets the second Saturday of every month at 1pm at a location to be announced each month. If you can't join us this month, maybe you'll be available to join us in the months ahead.

I'm always looking for suggestions on what restaurant you think might be a good place for the Brunch Bunch to visit soon.

73,Bruce, N8BV



March 2018 DX Spots de KA3MTT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 KH6 - Hawaii thru 3-8 ----- ZF2AE - Cayman Is Thru 3-10 ----- 4B4B - Revilla Gigedo thru 3-15	2 Z2LA - Zimbabwe Thru 3-11 ----- XR0YD - Easter Isl Thru 3-15	3
4	5	6 C6A - Bahamas thru 3-13 ----- 9M0W - Spratly Is Thru 3-13	7 B31GX - Belize thru 3-16 ----- TY7C - Benin thru 3-18 ----- PJ2 - Curacao thru 3-28	8 VP9 - Bermuda thru 3-12	9 XX9B - Macao thru 3-17 ----- TN5R - Congo thru 3-19	10 3B8XF - Mauritius thru 3-11 ----- TX5X - French Polynesia thru 3-17
11	12	13 H44YM - Solomon Is Thru 3-17 ----- DU1 - Philippines thru 3-18 ----- J68SL - St Lucia thru 3-22	14	15 TJ - Cameroon thru 3-31 	16	17 VP2EGO - Anguilla thru 3-24 
18	19	20 8P6DR - Barbados Thru 4-29 	21 7Q7EI - Malawi thru 4-3 	22	23 XT2MAX - Burkina Faso thru 4-2 	24
25	26	27 3B8MM - Mauritius Thru 4-11	28	29	30	31

OH-KY-IN Amateur Radio Society

Regular monthly meetings are held the first Tuesday of each month at 7:30PM local time at the St Bernard Recreation Hall, 120 Washington Avenue (corner Washington & Tower Aves) in St Bernard, just east of Vine St. Please come in the doors at street level, facing the high school. Visitors are ALWAYS welcome!

The next meeting of the Oh-Ky-In Amateur Radio Society will be Tuesday, March 6th at 7:30 PM

Program:

DMR

Scott Yonnaly N8SY

***** NOTICE *****

The date of the Board meetings has changed to the SECOND Tuesday of each month

OH-KY-IN Amateur Radio Society

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PLEASE
PLACE
STAMP
HERE

