

# Q-FIVER

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



## The President's Corner

Taking a break today from the CQ WW WPX Contest to give everyone a heads-up on some exciting upcoming club events! Our April meeting will feature my good friend Jim Hicks (WB4CTX) presenting HF DXing With A Modest Station. Jim is a retired high school teacher and college professor who taught a number of amateur radio classes at Dixie Heights High School, with the final exam being the Technician Exam!

He will share his DXing experiences in using modest antennas to rack up 254 DX LOTW confirmed entities (yes, that's right, 254), with a dozen or more QSL cards to be checked and logged. I think we can all learn something from him!!

Also in April, we will be hosting an area-wide seminar with topics such as Soldering, Circuit Board Design, Safety and Grounding, and at least one or more antenna building demonstrations. The Seminar will be held on April 21<sup>st</sup> from 9-12 at the CPS (Cincinnati Public Schools) building on Iowa Ave, 2355, (look for the blue awning), just off E. McMillan. More information to follow!

Finally in the special events category, our own team of Brian (K4BRI) and Eric (N8YC) will be demonstrating Flight Tracking – you won't want to miss it!!

Planning is already underway for our annual Hamfest in September – don't wait to be asked, let Gary (KB8MYC) know you want to help! This really is an all-club effort, and we want to continue the trend we have started with an even bigger, and better, Hamfest this year! And, as the old saying goes, "many hands make light work!"

On a business note, the end of March is the membership cutoff point where if you haven't renewed your membership you won't receive the newsletter any more and you won't be able to vote on club business. So please remember to renew!

Here are several renewal options from Nathan KA3MTT (our membership guru!):

"If you want to print an application and mail it with payment, use this web address: <http://ohkyin.org/wp/about-oh-ky-in/membership/membership-application/>

"If you would like to use ANY credit card OR PayPal, simply use this web address: <http://ohkyin.org/wp/pay-membership-fees/>

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## 2018 Board of Directors

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### *Past President*

Gary Coffey KB8MYC .....(513) 382-3879 ..... kb8myc@fuse.net

### 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](mailto: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 Curtin KF4AV

## 2018 Committee Chairs and Appointments

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

Q-Fiver Editor ..... Brian DeYoung, K4BRI  
 Field Day..... Eric Neiheisel N8YC  
 Historian ..... Dale Vanselow KC8HQS  
 Special Publications ..... Jo Haltermon KD4PYS  
 Fox Hunters ..... Dick Arnett WB4SUV  
 Equipment Mgr .....Fred Schneider K9OHE  
 WebMaster ..... George Gardei N3VQW  
 Silent Key .....Bruce Vanselow N8BV  
 Tech Talk Net Mgr .....Bruce Vanselow N8BV  
 K8SCH QSL Mgr ..... Bob Frey WA6EZV  
 TV/RFI ..... Dick Arnett WB4SUV  
 HamFest ..... Gary Coffey KB8MYC

## April Calendar

Sun Apr 1 6:30 PM Newcomers/Elmers Net, 146.67, Topic: **Easter: No Net**

Mon Apr 2 7:00 PM Technician and General Classes at the Red Cross building on Dana Ave

Tue Apr 3 7:30 PM Club Meeting in St Bernard—Topic: **DXing—Jim WB4CTX**

Wed Apr 4 9:00 PM Tech Talk, NCS Robert AK3Q

Sun Apr 8 6:30 PM Newcomers/Elmers Net, 146.67,  
 Topic: **LF and VLF Radio**

Mon Apr 9 7:00 PM Technician and General Classes at the Red Cross building on Dana Ave

Tue Apr 10 7:00 PM Board of Directors meeting at My Neighbor’s place –3150 Harrison Ave.

Wed Apr 11 9:00 PM Tech Talk, NCS Eric N8YC

Sat Apr 14 10:00 AM Monthly Mobile Foxhunt—Start from Mt. Storm in Clifton—Setup at ~9:30AM, starts at 10AM  
 1:00 PM Brunch Bunch at **Sunnyside Grill—7995 Wesselman Road**

Sun Apr 15 6:30 PM Newcomers/Elmers Net, 146.67,  
 Topic: **A Little Bit of History!**

Mon Apr 16 7:00 PM Technician and General Classes at the Red Cross building on Dana Ave

Wed Apr 18 9:00 PM Tech Talk, NCS Dale, KC8HQS

Sun Apr 22 6:30 PM Newcomers/Elmers Net, 146.67,  
 Topic: **More Radio-Related Websites!!**

Mon Apr 23 7:00 PM Technician and General Classes at the Red Cross building on Dana Ave

Wed Apr 25 9:00 PM Tech Talk, NCS George N3VQW

Sun Apr 29 6:30 PM Newcomers/Elmers Net, 146.67,  
 Topic: **ATV (Hint - Not a Vehicle!)**

Mon Apr 30 7:00 PM Technician and General Classes at the Red Cross building on Dana Ave

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“You don’t need a PayPal account to use a credit card either! If anyone has any questions, please do not hesitate to contact me.” Our Membership information email is: [membership@ohkyin.org](mailto:membership@ohkyin.org)

Last month I made a plug for using other repeaters, and you know what? Folks did!! I personally talked to folks who put out calls on the 625 and 925 repeaters! And surprise, surprise!! It was fun working on the different repeaters! They each have their own sound, and they each have a “personality” a little different than the 67 repeater. So I’ll be listening for you on our “other” repeaters, and with any luck we’ll get them even more active than the 67! In fact, I am hoping we might start a few nets on these other repeaters, perhaps a digital group net, a System Fusion net, maybe even a DX net. Let’s bounce some ideas around at our next meeting and see what we can come up with!

I look forward to seeing you all at the April meeting!

Cheers! Robert AK3Q

## From the Membership Committee Chairman

Greetings to all, and I hope this issue of the Q-Fiver finds you well.

I can tell you one thing...this weather trend has me ready for Spring and Summer to finally arrive! With Spring and Summer come many OH-KY-IN Amateur Radio Society events and activities. These events are only as good as our membership makes them. This is why being a member of OH-KY-IN is very crucial to helping promote our great hobby in the Greater Cincinnati area.

If you haven’t already done so, why not renew your club membership! We are lucky to be able to offer many options for joining and/or renewing.

Go to <http://ohkyin.org/wp/about-oh-ky-in/membership/membership-application/> and print the application, which can be mailed with your payment.

Go to <http://ohkyin.org/wp/about-oh-ky-in/membership/pay-membership-fees/> and you can pay with ANY credit card.

Go to <http://ohkyin.org/wp/about-oh-ky-in/membership/pay-membership-fees/> and you can pay using PayPal.

Renew and/or join at the next monthly meeting.

If I can be of any assistance in the process, please do not hesitate to contact me.

73,  
Nathan Ciufo, KA3MTT  
Membership Chairman  
OH-KY-IN Amateur Radio Society  
Email: [membership@ohkyin.org](mailto:membership@ohkyin.org)

## The Music of Radio: Gesang der Jünglinge, Telemusik, & Hymnen

### Gesang der Jünglinge

There is a mystery in the sounds of the vowels. There is a mystery in the sound of the human voice as it is uttered from the mouth and born into the air. And there is a mystery in the way electrons, interacting inside an oscillating circuit, can be synthesized and made to sing. Karlheinz Stockhausen set out to investigate these mysteries of human speech and circuitry as a scientist of sound, using the newly available radiophonic equipment at the WDR's Studio for Electronic Music. The end result of his research was bridged into the vessel of music, giving the ideas behind his inquiries an aesthetic and spiritual form. In doing so he unleashed his electroacoustic masterpiece *Gesang der Jünglinge* (Song of the Youths) into the world.

Part of his inspiration for *Gesang der Jünglinge* came from his studies of linguistics and phonetics at the Bonn between 1954 and 1956, with his mentor Werner Meyer-Eppler. The other part came from his spiritual inclinations. At the time of its composition Stockhausen was a devout Catholic. His original conception for the piece was for it to be a sacred electronic Mass born from his personal conviction. According to the official biography, he had asked his other mentor Herbert Heimert to write to the Diocesan office of the Archbishop for permission to have the proposed work performed in the Cologne Cathedral, the largest Gothic church in northern Europe. The request was refused on grounds that loudspeakers had no place inside a church. No records of this request have been uncovered, so this story is now considered apocryphal. There are doubts that Heimert, who was a Protestant, ever actually brought up the subject with Johannes Overath. Johannes was the man at the Archdiocese responsible for granting or denying such requests and by March 1955 had become a member of the Broadcasting Council. It is likely Heimert and Overath were associates. What we can substantiate is that Stockhausen did have ambitions to create an electronic Mass and that he experienced frustrations and setbacks in his search for a suitable sacred venue for its performance, one that would be sanctioned by the authorities at the church.

These frustrations did not stop him however from realizing his sound-vision. The lectures given by Meyer-Eppler had seeded inspiration in his mind, and those seeds were in the form of syllables, vowels, phonemes, and fricatives. Stockhausen set to work creating music where voices merged in a sublime continuum with synthetic tones that he built from scratch in the studio. To achieve the desired effect of mixing human voice with electronics he needed pure speech timbres. He decided to use the talents of Josef Protschka, a 12-year old boy chorister who sang fragments derived and permuted from the "Song of the Three Youths in the Fiery Furnace" in the 3<sup>rd</sup> book of Daniel. In the story three youths are tossed into the furnace by King Nebuchadnezzar. They are rescued from the devouring flames by an angel who hears them singing a song of their faith. This story resonated strongly with Stockhausen at the time. He considered himself to be a fiery youth. Still in his twenties he was full of energy, but was under verbal fire and critical attack from the classical music establishment who lambasted him for his earlier works. *Gesang der Jünglinge* showed his devotion to the divine through song despite this persecution.

The electronic bedrock of the piece was made from generated sine tones, pulses, and filtered white noise. The recordings of the boy soprano's voice were made to mimic the electronic sounds: vowels are harmonic spectra which may be conceived as based on sine tones; fricatives and sibilants are like filtered white noise; and the plosives resemble the pulses. Each part of the score was composed along a scale that ran from discrete events to statistically structured massed "complexes" of sound. The composition is now over sixty years old, yet the synthetic and organic textures Stockhausen pioneered for it are still fresh. They speak of something new, and angelic. Stockhausen eventually triumphed over his persecution when he won the prestigious



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Polar Music Prize (often considered the "Nobel Prize of music") in 2001. At the ceremony he controlled the sound projection of *Gesang der Jünglinge* through the four loudspeakers surrounding the audience. A video of this 2001 performance can be seen here: <https://www.youtube.com/watch?v=UmGLiBfWI0E>

These breakthroughs in 20<sup>th</sup> century composition practice wouldn't have been possible without the foresight of the WDR in creating an Electronic Music Studio and promoting new music on their stations.

### **Telemusik**

As the world caught wind of the work being done at the WDR's Electronic Music Studio, other radio stations and broadcasting corporations followed suit. NHK (Nippon HosoKyokai) in Japan built their electronic music studio in 1955, directly modeling it on the one at WDR. In 1958 the BBC created their famous Radiophonic Workshop. (I blame starting to watch *Doctor Who* as a ten year old, with its strange soundtrack and incidental music, for what became my lifelong fascination with electronic music.) The studio at NHK was just over ten years old when they invited Stockhausen over to work there and create two pieces for their airwaves.

When he arrived in Japan Karlheinz was severely jet lagged and disoriented. For several days he couldn't sleep. That's when the strange hallucinatory visions set in. Laying awake in bed one night his mind was flooded with ideas of "technical processes, formal relationships, pictures of the notation, of human relationships, etc.—all at once and in a network too tangled up to be unraveled into one process." These musings of the night took on a life of their own and from them he created *Telemusik*.

Of Stockhausen's many ambitions, one of them was to make a unified music for the whole planet. He was able to do that in this piece though the results sounded nothing like the "world music" or "world beat" genre often found on CD racks in coffee houses and gift shops. In the 20 minutes of the piece he mixed in found sounds, folk songs and ritual music from all over the world including the countries Hungary, Spain, China, Japan, the Amazons, Sahara, Bali and Vietnam. He also used new electronic sounds and traditional Japanese instruments to create what he called "a higher unity...a universality of past, present, and future, of different places and spaces: TELE-MUSIK." This practice of taking and combining sound sources from all over is now widely practiced across all genres of music in the form of sampling. But for Karlheinz it wasn't simply making audio collage or taking one sample to build a song around it. Even though he used samples from existing recordings to make something different, he also developed a new audio process that he termed intermodulation.

In his own words he speaks of the difference between collage and intermodulation. "I didn't want a collage, I wanted to find out if I could influence the traits of an existing kind of music, a piece of characteristic music using the traits of other music. Then I found a new modulation technique, with which I could modulate the melody curve of a singing priest with electronic timbres, for example. In any case, the abstract sound material must dominate, otherwise the result is really mishmash, and the music becomes arbitrary. I don't like that." For example he used "the chant of monks in a Japanese temple with Shipibo music from the Amazon, and then further imposing a rhythm of Hungarian music on the melody of the monks. In this way, symbiotic things can be generated, which have never before been heard"

Stockhausen kept the pitch range of *Telemusik* piece deliberately high, between 6 and 12 kHz. This is so that the intermodulation can project sounds downwards occasionally. He wanted some of the sections to seem "far away because the ear cannot analyse it" and then abruptly it would enter "the normal audible range and suddenly became understandable". The title of the piece comes from Greek tele, "afar, far off", as in "telephone" or "television". The music works consistently to bring what was "distant" close up. Cultures which were once far away from each other can now be seen up close, brought together by the power of telecommunications systems, new media formats, new music. By using recordings of traditional folk and ritual music from around the world Stockhausen brought the past brought up close and into the future by mixing it with electronics.

The score was dedicated to the Japanese people and the first public performance took place at the NHK studios in Tokyo on 25 April 1966. *Telemusik* can be experienced here: <https://www.youtube.com/watch?v=N-vb97ukRjY>

Hymnen

*Telemusik* prepared Stockhausen for his next monumental undertaking, *Hymnen* (Anthem) made at the WDR studio. The piece had already been started before *Telemusik* but he had to set it aside while in Japan. *Hymnen* is a mesmerizing elaboration of the studio technique of intermodulation first mastered at NHK in Japan. It is also a continuation of his quest to make a form of world music at a time when the people around the planet were becoming increasingly connected. To achieve this goal he incorporated forty national anthems from around the globe into one composition. He had collected 137 anthems in the process of composing the piece, by writing to radio stations in those countries and

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asking them to send recordings to Germany. The piece has four sections though it was first slated for six. The last two never materialized. These anthems from around the world are intermodulated into an intricate web of sound lasting around two hours long. Thrown into the kaleidoscopic mix are all manner of other sounds produced from sine wave generators, shortwave radio, his voice speaking, and many others. Whenever I listen to *Hymnen* the sounds of the music from different nations reminds me of someone tuning across the shortwave bands. In the audio spectrum and in the radio spectrum borders and boundaries are porous, permeable. And that is one of the things I love about amateur radio: the sharing of good will between women and men from all across the globe, our signals reaching each other across space to make the formerly distant close. *Hymnen* ends with a new anthem for a utopian realm called "Hymunion". Perhaps it can be reached through the shared communion that comes from truly listening to each other.

## Technical Operations Group LOG

TOG Log: Stardate 180317.1  
By KJ4ZKC

At the OhKyIn March club meeting, an anonymous donor gave an Arcom 210 Controller, to replace a faulty one at the Clifton 146.670 repeater. The Technical Operations Group (TOG) discussed installing it. TOG member K4BRI volunteered to install it Sunday. This is his report, this shows you can learn by doing.

On Sunday I decided to install the controller

1. I disconnected the old controller and removed it
2. I installed the new controller and hooked it up
3. I connected my laptop and uploaded a manual software configuration that was provided by Ryan Owens AC8UJ.
4. I spent about 1+ hours adjusting the transmit and receive levels
5. I called on the repeater to check if a ham would verify the levels, but nobody was listening, so I played 'phone a friend' until I found someone and I got the levels verified.
6. Then I was done for the day and came home to my lovely wife.

On Tuesday at the board meeting it was discussed to fix the one-second time delay. We found the fix published on the Arcom web site.

7. On Wednesday I went back to the repeater for a quick fix. Danger! Red Alert ! There are no quick fixes..
8. I turned off the power and removed the controller from the rack so I could solder a bridge from pins 5&6.
9. I reinstalled the controller and turned on the power and that's when the Magic Smoke was released!
10. I turned off the power.
11. I had to drive home, have a slice of cold pizza, kiss my wife and get some tools and spare parts. I went back to the repeater and started diagnosing what was wrong
12. Using the oscilloscope and a digital multimeter, I checked a lot of stuff and found that the voltage regulator was bad, and there was some burnt traces on the pc board.
13. I fixed that and took out the solder bridge from pins 5&6, everything was restored back to start.
14. Repeater is working , we'll go back to check the one second delay... to be continued

**Note:** *if you're not frying circuits, you're not learning.*

If you'll like to join TOG Contact Eric Nieheisel N8YC

## March 6th 2018 Meeting Minutes

The meeting was called to order at 7:31 PM by Robert AK3Q with the Pledge of Allegiance.

Guests: 2

New Licenses: Julia KE8IUU

Self Introductions: 52

Brag Sessions:

- George NV3QW lost 83 pounds.
- Greg KA8MQD attended the Cave City hamfest.
- David NU8H got Worked All States via FT8.

Health and Welfare: nothing to report.

Silent Keys: As previously reported by Bruce N8BV, Jerry Weimer KD8ASL is now a silent key. Bruce has items from his estate for sale.

Prior Meeting Minutes: Accepted as printed in the Q-Fiver

Membership: 103 as of 3/4/2018

Two new life members:

- Roger Higley W8CRK
- Dan Curtain KF4AV

Congratulations!

Treasurer: Brian K4BRI submitted a corrected January report (error with the starting balance) and a February report. The reports were filed, subject to audit.

Tech Committee: Brian was reporting for Eric.

- Last month's meeting consisted of training for new repeater control operators.
- The group is aggressively attacking the delay on the 670 repeater with little luck.
- There will be a meeting later this month.
- An Arcom controller was anonymously donated to the club. Thank you!

#### Classes and Exams:

- There are five students in the Amateur Extra class, which has completed two weeks of the ten weeks.
- The 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](mailto:kd8zlb@gmail.com).

#### Foxhunts and ARDF: Bob WA6EZV reported the following:

- 80m ARDF-style hunt will be held at French Park this Saturday, March 10th at 10:00 AM. There will be plenty of equipment to borrow and it will be a short course. Bob claims 80m is easier than 2m!
- There will be a mobile foxhunt next month.
- The Eighteenth USA ARDF Championships will be held in Truckee, CA from June 23th to June 17th.

Tech Talk Net: Bruce N8BV reported its going strong and Robert AK3Q will be net control this week.

Newcomers' and Elmers' Net: Robert AK3Q reported still going strong. He still has topics, but looks forward to topic suggestions.

Website: Rocky KE8DZD reported it is still running. Email ideas and suggestions to [webmaster2@ohkyin.org](mailto:webmaster2@ohkyin.org).

Digital Group: Jerry W1SCR reported.

- The group met last month.
- There will be a meeting this month, possibly with a topic of DMR.
- Meetings are the 4th Tuesday of the Month St Bernard's Centennial Hall, 110 Washington Ave., St Bernard, OH 45217.

QCEN: Pat KD8PAT reported the next meeting will be Saturday morning, March 17th at 10:00 AM at the American Red Cross, 2111 Dana Avenue, Cincinnati, OH 45207 with antenna making at 9:00 AM prior to the meeting. If you want to participate in the antenna construction, please contact Tom Delaney W8WTD at [w8wtd@arrl.net](mailto:w8wtd@arrl.net).

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ARES: Bryan K8EGV reported.

- ARES provided about 80 hours of service as a backup to the Cincinnati EMA during last week's Ohio River flood.
- The next meeting will be Tuesday, 3/20/2018 at 7:00 PM at the Hamilton County Environmental and Public Health offices, 250 William Howard Taft Rd. Cincinnati, OH 45219.
- We are being challenged to check in to the Ohio DMR network on Wednesday, 3/21 at 8:30 EDT to have the most check ins for an ARES district.

#### Old Business

- Robert reported the membership renewal reminder postcards are on the way.
- Regarding a question about Winter Field Day, Michael KD8SOH reported that submissions were due on 3/1, so official results won't be available for about two more months.
- Robert reported an Audit Committee has been selected and will be meeting shortly to perform the annual audit of the club's finances. The committee consists of David NU8H, Michael KD8SOH and Mike KG4DSG.

#### New Business

- Justin KE8COY is working with Rocky to put our library titles on the website, allowing registered users to request a library book be brought to the next OH-KY-IN meeting.
- Robert reported having a series of seminars on Saturday, 4/21 from 9:00 AM to 12:00 PM including hands on circuit/kit building and circuit board design. This seminar will be held at the Cincinnati Public Schools Maintenance Department, 2350 Iowa Avenue, Cincinnati, OH 45206.
- Bob WA6EZV reported HF might be opening as he's seeing 10m and 12m spots on the spotting networks. In DX, DXpedition XR0YD is working from Easter Island, even using FT8 and RTTY! Kosovo is now active.
- Bob also mentioned the QRP Pixie transceiver as being a possible club kit build as they run under \$10 a unit.
- Robert N8JMV mentioned the next Milford Amateur Radio Club's meeting on the second Thursday of the month will be having a presentation on the microBITX Transceiver.
- Bruce mentioned the next Brunch Bunch is this Saturday, 3/10 at 1:00 PM at the Price Hill Frisch's Big Boy Restaurant located at 5216 Glenway Avenue, Cincinnati, OH 45238.

The meeting recessed for about 10 minutes and resumed at 8:10 PM.

Program: Scott Yonally N8SY presented.

- Ohio NVIS Day is coming up on Saturday, April 28th.
- The Ohio Statewide ARES Conference is being held on Saturday, April 7th at the Marion Technical College/OSU Marion Campus. Dale Williams WA8EFK, Director of the ARRL Great Lakes Division, will be presenting on the rollout of the new ARES program. For those unable to attend, the presentation will be recorded and available for future viewing.
- Bryan K8EGV, the ARES EC for Hamilton County, was awarded an ARRL Ohio Section sweatshirt for his recent work. Congratulations!
- Scott gave a great presentation with a question and answer session on DMR.

Split the Pot:

- The club took in \$180. Dennis KE8ILZ won \$90.
- There were two ARRL Beanies given away as door prizes.

The meeting was adjourned at 9:26 PM.

Respectfully submitted, Cesi KD8OOB, Secretary

## Foxhunts and ARDF

The March fox hunt was an ARDF style hunt. Dick, WB4SUV and Phil KG8AP hid 5 low power 80 meter transmitters at French Park in Amberley. 80 meter hunts are actually easier because of the lack of reflections. Unfortunately a couple transmitters drifted out of sequence and overlapped which created a different level of difficulty. Brian, K4BRI finished first in about 37 minutes followed shortly by Bob, WA6EZV. Because of a miscommunication Bill, KA8TWB showed up late as we were picking up transmitters but was still able to get introduced to 80 meters and find one transmitter.

## Brunch Bunch

**The next Brunch Bunch will be held **Saturday, April 14th, at 1pm.** The location for April is **Sunnyside Grill** located at **7995 Wesselman Road, 45002, in Cleves.** It is at the intersection of **Wesselman Road and Harrison Avenue.****

**Sunnyside Grill does not have a website, however you can google **Sunnyside Grill Cincinnati Menu** to get a look at the menu.**

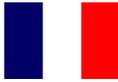
Remember that the Brunch Bunch always meets the second Saturday of every month at 1pm at a location to be announced each month. If you can't join us this month, maybe you'll be available to join us in the months ahead.

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



# April 2018 DX Spots de KA3MTT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 KH9 - Wake I thru 4-30	2	3	4	5 3B7A - Agalega & St Brandon thru 4-17	6	7
8 T2AR - Tuvalu thru 4-15  	9 VK9 - Australia Thru 4-18  	10	11	12	13 T88UW - Palau Thru 4-19  	14
15 E51BCP - South Cook Is thru 4-20	16	17 T32AZ - East Kiribati thru 4-24 ----- T8 - Palau thru 4-25	18 FJ - St Barthelemy Thru 4-27  	19	20	21
22 H44R - Solomon Is Thru 4-25  	23	24 HB0 - Liechtenstein thru 4-28  	25	26	27	28
29 C96RRC - Mozambique thru 5-3 ----- H40D - Temotu Thru 5-3 ----- A52 - Bhutan thru 5-5	30					

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, April 6th at 7:30 PM

Program:

**DXing**  
**Jim Hicks WB4CTX**

OH-KY-IN Amateur Radio Society

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