

Q-FIVER

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



President's Corner

Hello! As club president last year, Robert made a habit of writing an article every month for the newsletter. I'm not the prolific writer that Robert is, so I can't promise that I'll write an article every month, but I do want to take this opportunity to introduce myself to everyone. I already know many of you, but there are some that I do not yet know well. Thank you for the opportunity to serve as the club president in 2019. The club has enjoyed strong leadership that left us in great shape and I hope I can continue that momentum.

For those that don't know me, let me share a bit about myself. My first interest in amateur radio started when I was in high school in the early 1990's. I had a Radio Shack handheld scanner and I would listen to some of the local repeaters along with other local radio traffic. During my first year of college, I acquired a technician study book, but then set it aside when I decided I didn't have the money at the time to buy expensive radio equipment. Much later in life, I became interested again when I learned that a \$30 handheld could get me on the air, so I started studying once again and got my license in August, 2015. I quickly realized that I had much more to learn and was going to need some help. My first ever contact via a repeater in the area didn't go so well and it was quite intimidating. That PTT button on my Baofeng suddenly became much scarier. That led me to start searching for some way to ease into the hobby. I discovered the Newcomers and Elmers Net (via the NKARC list of area nets online) and tuned in. This led me to OH-KY-IN, where I found a great community of hams who were eager to help a new ham like me learn. Thanks to this club and its great members, I've learned so much and I look forward to continuing to learn much more. Robert's net got me comfortable with 2 meter work, but HF was still intimidating and scary. I received an HF rig for Christmas that year, but was afraid to actually use it! That PTT button was again intimidating, but OH-KY-IN helped me out once again. I attended Winter Field Day (OH-KY-IN's first, I think), helping hang antennas and observing the club members working HF. Suddenly it wasn't so scary. I went home and within a few days, strung a 20 meter dipole up in a tree out back and worked HF! Without OH-KY-IN, I think my experience with the hobby would have been far less enjoyable and much more frustrating.

Outside of the radio hobby, I work for Kroger as a software architect and I'm married to Tiffany, KD8TIF, who became licensed this past summer. We live in Green Township, just west of Cincinnati. I'm also heavily involved with a church congregation in Covington just a few blocks south of the river, so quite a bit of my time goes to that group as well.

As I move into a new role with OH-KY-IN, I hope to continue to advance the great legacy of this club. Please feel free to give me any feedback, ideas, suggestions - whatever. I will strive to serve the club well, but the true strength of this club is in the members. I'm counting on all of you to help me keep the club going strong. Thank you again for this opportunity to serve the club!

Ryan

AC8UJ

2019 Board of Directors

President

Ryan Owens AC8UJ (513) 235-0134 ac8uj@arrl.net

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Trustee/Licensee

Bruce Vanselow N8BV (513) 251-1555 n8bvbruce@gmail.com

Past President

Robert Gulley AK3Q..... (859) 638-0374 ak3q@ak3q.com



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 & call sign 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

Steve Weeks AA8SW

Kelly Hoffman, K8KAH

Cindy Shipp, KB8WEI

Jerry Shipp, W1SCR

2019 Committee Chairs and Appointments

Newcomers/Elmers Net.....Robert Gulley AK3Q
 Technical Operations GroupGary Coffey KB8MYC
 ARPSC RepresentativeJerry Shipp W1SCR
 Volunteer ExaminersBrian DeYoung K4BRI
 QCEN Representative.....Pat Maley KD8PAT
 MembershipNathan Ciufo KA3MTT
 FundraisingBruce Vanselow N8BV
 EducationMichael Niehaus KD8ZLB
 Repeater Control Ops Mgr.....Bruce Vanselow N8BV
 PIOJustin Moore KE8COY
 LibrarianJustin Moore KE8COY
 Digital GroupJerry Shipp W1SCR

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 Field DayEric Neiheisel N8YC
 HistorianDale Vanselow KC8HQS
 Special PublicationsJo Haltermon KD4PYS
 Fox HuntersDick Arnett WB4SUV
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 Tech Talk Net MgrBruce Vanselow N8BV
 K8SCH QSL MgrBob Frey WA6EZV
 TV/RFIDick Arnett WB4SUV
 HamFestGary Coffey KB8MYC

Eric N8YC has been our TechTalk Net Control Station on the 2nd Wednesday of every month. Eric's schedule would not permit him to continue in that position. Thanks Eric for your services as Net Control, it has been really appreciated!

Congratulations and thanks to Mike N8MRS who will take over the 2nd Wednesday position. Mike's first TechTalk Net Control will be on Wednesday, February 13th.

73, Bruce N8BV TechTalk Net Manager

February 2019 Calendar

Sun Feb 3	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: Radio Station Shopping
Tue Feb 5	7:30 PM	Club Meeting in St Bernard—uBitx by Bob WA6EZV
Wed Feb 6	9:00 PM	Tech Talk, NCS Robert AK3Q
Sat Feb 9	10:00 AM	Monthly Mobile Foxhunt—Start from Mt. Storm park in Clifton—setup about 9:30 AM
	1:00 PM	Brunch Bunch at Chili Time Restaurant, 4727 Vine Street, 45217
Sun Feb 10	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: Grounding and Bonding 2: Lightning
Tue Feb 12	7:00 PM	Board of Directors meeting at My Neighbor's place —3150 Harrison Ave.
Wed Feb 13	9:00 PM	Tech Talk, NCS Mike N8MRS
Sun Feb 17	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: NVIS Antennas: Setup and Uses
Wed Feb 20	9:00 PM	Tech Talk, NCS Dale, KC8HQS
Sun Feb 24	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: Partnering Up To Enjoy The Hobby
Wed Feb 27	9:00 PM	Tech Talk, NCS George N3VQW

January 8th 2019 Meeting Minutes

AK3Q started meeting at 7:36 PM with the pledge of allegiance. Robert turned the meeting over to the new President, Ryan Owens (AC8UJ)

Visitors:

- Paul K9PLG
- Dennis, KE8LEY got his license in December
- Jason. KY4JDW got his license in December
- Greg, KD8WIK

Self-Introductions:

45 persons were present at the meeting.

New Officers and Board Members:

- President: Ryan Owens, AC8UJ
- Director: Mike Neihaus, KD8ZLB
- Vice President: Cesi DiBenedetto, KD8OOB
- Secretary: George Gardei, N3VQW
- Director: Dennis McGrath, KD8ILY
- Director: Bruce Vanselow, N8BV
- Treasurer: Brian DeYoung, K4BRI

Health & Welfare Announcements:

Ted Morris, NC8V is having neck surgery on Monday (January 14th)

Brag Session:

- George, N3VQW had successfully repaired his Yaesu FT2900 after accidentally spilling coffee onto it.
- David, NU8H had qualified for DXCC, 100 contacts within a year on FT8 using 50W of power and attic antennas. It is also his wife's birthday.
- Cesi, KD8OOB had made 170 contacts on FT8 during the ARRL RTTY roundup, holiday style. He is 1 state away from Worked all States, only missing West Virginia.
- Steve, AA8SW - Year long grid chase contest is over, looks like he will be 72 highest contacts in the world. This is also his first year as a ham.

Corrections to December Meeting Minutes:

No corrections were requested. Minutes were approved.

Membership Report:

150 members at end of year.

Treasurer's Report:

Brian, K4BRI passed out the November and December Reports. The report has been filed for audit.

Silent Key:

Jack Emrich, KD9HUB who was an active member of OH-KY-IN ARS, passed away in December.

Technical Committee:

- Need new technical committee chair, which will be a topic at this month's board meeting.
- The 440 repeater has been temporarily moved to the .67 site. The antenna is not a good match however it seems to have a good range.

Classes and Exams:

Mike, KD8ZLB announced:

- Extra class starts on Monday March 11th. It is a 10 week course, location to be announced
- Technician and General classes will start April 15th and will be held at the Red Cross building on Dana Ave.
- Examinations will be on May 13th

The Laughery Valley Amt Radio club will be having free testing sessions on March 10th 1-3 PM in Lawrenceburg Indiana

Fox Hunts and ARDF:

The next foxhunt will be on Saturday, Jan 19th. This will be an on-foot 2 meter hunt at Mt. Airy Forest. Start time is 10:00 PM. OH-KY-IN will be alternating mobile and ARDF style hunts every month.

Nets:

Bruce, N9BV - Tech Talk, Wednesday night at 9:00pm, Eric N8YC will be operating as K8SCH.
Robert, AK3Q – Elmers and Newcomers net at 6:30pm on Sunday nights.

Digital Group:

Meets on Jan 22nd at 7:00 pm, downstairs. Working on 220 Winlink Gateway

Website:

Updates needed on the website; classes, officers, etc.

QCEN:

Next meeting will be during Winter Field Day.

Winter Field Day:

OH-KY-IN will be participating with QCEN at the Red Cross Building on Dana Ave. Setup will begin at noon on Saturday January 26. Everyone is welcome.

ARES:

Brian – Meeting Tuesday at Health Dept at 7:00 PM. Review of last year and ARES Connect. VHF Simplex contest 50Mhz and up on Saturday 10:00am – 4:00pm
WinLink Wednesday: Send message to K8EAF

Old Business:

No old business was brought up

New Business:**Discussion:**

Bruce N8BV, Brunch Bunch at Santorini's this Saturday

Bob – Request for support on petition to ARRL in support for Region 2 formal documentation and rules for ARDF competitions.

Cesi (KD8OOB) – Need ideas and presenters for club meeting program topics.

Special Event Station Ideas

Ohio, Kentucky and Indiana birthday special event stations

SOTA (Summits on the Air) trail hike and activation. Ideas include Mt. Airy water tower and Edge of Appalachia

Next month's meeting topic: Modification to uBitx Radio

Business meeting ended at 8:16

Meeting Program started at 8:30

Robert AK3Q Presented on "SDR: Beyond the Dongle"

Split the pot raised \$162, \$81 ticket went to Ryan, AC8UJ

Meeting Adjourned at 9:34pm

Prepared by George Gardei N3VQW, Secretary

Brunch Bunch

The next Brunch Bunch will be held Saturday, February 9th, at 1pm.

The location for February is [Chili Time Restaurant in Saint Bernard](#). Chili Time is located at 4727 Vine Street, 45217, at the corner of Vine Street and Phillips Avenue. Chili Time is a very short distance from the location of the OH-KY-IN club meetings.

The Brunch Bunch is returning once again to Chili Time in February since this will be the 8th anniversary of the Brunch Bunch. "It's still hard to believe that the Brunch Bunch has gone so very strong and has been held without a miss on the second Saturday of every month for this long. It is at this restaurant that the Brunch Bunch met for the very first time 8 years ago."

You can take a look at the menu and a map at:

www.chilitime.net

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

THE RADIOPHONIC LABORATORY: FLUX CAPACITANCE WITH TAKEISHA KOSUGI

By Justin Patrick Moore, KE8COY

At the Osaka '70 world expo Takeisha Kosugi was creating environmental sound works as a commissioned artist. This was the same year Karlheinz Stockhausen and his ensemble were creating an oasis of musical calm and exultation within the spherical auditorium at the world expo, playing pieces like *Spiral* and others utilizing shortwave radio. The space/time coordinates for technology and experimental music were in perfect alignment at the expo. Born in 1938 Kosugi already had considerable experience with musical antics by the time 1970 arrived. His exploration of diverse sound worlds and his humorous antics continued until his death on October 12, 2018 at the age of 80.

GROUP ONGAKU

In 1958 Kosugi was a student of musicology at the Tokyo National University of Fine Arts and Music. It was there that his apprenticeship and final mastery for creating experimental sound worlds began. Joined by fellow student Shukou Mizuno he founded a collective improvisation ensemble. When they participated in a dance festival at the Tokyo Dance Institute they donned the name Group Ongaku. It translates into English as Group Music and is a simple description of their practice. Many more of the group's few performances were at dance concerts, symposiums and festivals, but they also performed at recitals of music by Toshi Ichiyanagi and Yoko Ono, the two leading lights of Japanese experimental music in the world scene at the time. They also performed at member Yasanao Tone's one man exhibition at the Minami Gallery. This connection to world of dance and the visual arts would follow Kosugi the rest of his life. He was later a key collaborator in Merce Cunningham's famous dance company. Group Ongaku played radical music and it soon established them as an essential component in Japan's post-war music scene.

As early practitioners of collective improvisation they attempted to create acoustic sound spaces that corresponded to the actual time & space they played in. Violin was Takeisha Kosugi's primary instrument. The other members of Group Ongaku played cello, drums, guitar, and saxophone as well as using their voices and whatever else happened to be lying around nearby. Usually there was a radio nearby and whatever they could tune in off the bands became a part of their improvised sets. This is evident on the "Automatism" recording from 1960 (released by the Hear Sound Art Library in 1996 and available for listening online at <https://www.youtube.com/watch?v=q4L-eKtjk2k>). The members were also fans of the tape recorder. The recordings they put to tape were further manipulated and added into the mix during their live shows.

If you listen to it and it sounds strange and chaotic I'd agree with you. The thing about collective improvisation is that it takes practice and is a skill set that must be learned. The listener who judges the results based on previous exposure only to pop and rock music may think it is all just noise. An appreciation of jazz will have the listener better prepared for what might be encountered in the forays of Group ONGAKU, but they may still be left bewildered, apparently abandoned in a wilderness where loud predators lurk behind every menacing sound. The different voices of the instruments may appear disconnected; but there is a unity, like a golden thread, amidst all the howling. There is a method to the apparent madness of inchoate gurgling that churns alongside sax squelches, vacuum cleaners, and violin scrapings. This is the soundtrack for a generation waking up and coming into adulthood after the devastation of the Nagasaki nightmare, their memories forever burned in the aftermath of Hiroshima. In their early twenties and full of the vigor of youth is it not to be ex-

pected that their experience, when translated into music, the language of pure emotion, shows signs of chaos and rage?

Yet they were firmly in the zeitgeist of the time even if they were removed from centers of musical innovation in the west. The sounds they made shared a common goal and direction with other contemporaries such as John Cage with whom Kosugi would later formed a close friendship. Audiences in Japan did not hear the work of those such as Group Ongaku, Cage and Stockhausen with the same revulsion and outrage as often happened on opening nights in Europe and America. Steeped in the traditions of Zen Buddhism and the Shinto religion felt more at ease with the random, non-linear, and abstract acoustics they created. Which isn't to say they were adored as much as the Japanese bands who brought rock and roll into their hearts and made it their own, but only that they existed a level of understanding from their countrymen.

Listening to these recordings now, over fifty years after they were made, they sound remarkable and are right at home in the canon of twentieth century improvisational and experimental music. The work Kosugi did with Group ONGAKU formed a strong foundation for his later journeys with his next band the Taj Mahal Travelers, and his ongoing work as a solo artist.

THE TAJ MAHAL TRAVELLERS

The efforts of Group Ongaku gradually wound their way down. Throughout the rest of the 60s it served the needs of individual composers within the group as a way to have a ready ensemble able to play their work. Ready to embark on a new project Kosugi pulled together the members of the Taj Mahal Travellers in 1969. His recruits were from the ranks of the younger generation of Japanese. They had grown up with rock and roll and jazz. Their minds had been turned on the moment they had tuned in their radios and they were ready to drop out. Standard musical instruments were played by the Travelers, but the way they played them was very not standard. For the most part the instruments used were acoustic, such as the santur (an Iranian hammered dulcimer), harmonica, tuba, tympani, trumpet. Others were electrically amplified such as Kosugi's violin. Ryo Koike also amplified his double bass, but he is remembered more the way he played with it sitting flat on its back across the ground. Straddled across the top his bass the way he bowed his instrument was very sensual. A Mini Korg synthesizer was also a part of their set up. Besides playing mandolin Michihiro Kimura was also the resident tree branch shaker. As Julian Cope noted about this unusual instrument "Kimura appears to have spent much of the early '70s shaking a tree branch in a wide variety of obscure locations around the world." Other instruments in this vein were "voices, stones, and bamboo winds." Trying to hear those on their extant recordings is part of the magic and the mystery. The Taj Mahal Travelers had made themselves a promise to play "wherever a power supply was available" and their sound had an emphasis on heavy electronic processing. The use of delay effects and echoes congealed the array of their instruments into a swirling cosmic gel.

It is undoubted that the Taj Mahal Travellers were infused with the psychedelic spirit of the day. Yet group leader Kosugi put forth a valiant effort to make sure they were not confused with being a mere commune of music making hippies. In their first year they played a series of shows at Shibuya's Station 70 club and the stage was taken over by revelers who wanted to contribute to the music making. They jumped up onstage, even though they hadn't been invited, thinking it was some kind of "happening" or "be-in". Yet the sound of the Travellers wasn't intended to be a free for all among whoever wanted to participate. Rather it was an improvised exploration of sonic geography between dedicated musicians who were united in a singular aim. After these initial performances Kosugi took pains to only book his band at places such as art galleries or the *kaikan* culture-halls.

The group took a break over the summer when Kosugi went to Osaka for to perform as a solo artist at Expo '70. He became friends with Stockhausen and the members of that group and was inspired by their day long performances in the specially designed spherical auditorium. With these experiences fresh in his mind at the end of Expo '70 he was ready to get to work with the Travelers again. Some of the band still insisted on trying to play at rock venues, which Kosugi resisted. Their collective destiny changed when they were asked to play a dawn-to-dusk concert at Oiso Beach. This experience gave the groups the modus operandi they needed to succeed. Throughout the rest of their career they continued to perform outdoors for the most part, playing their strange music on beaches and hilltops. Their music consisted of improvised drones composed and long spontaneous passages reflective of the deep meditative presence they occupied within the unique space/time of coordinates of each specific performance. The group continued to play at beaches, and on mountains and were also invited to play at Shinto temples. Between 1971-2 they went on a tour where they played in majestic locations in the Netherlands, Germany and England, before heading on to Iran and India where they played at the Taj Mahal itself, before coming back home to Japan. From 1972-74 they spent a good deal of time both on the road and in the studio. The names of their recorded songs reflect their process, such as "Taj Mahal Travelers between 6.20 and 6.46pm" or "Taj Mahal Travelers between 7.50 and 8.05pm". They are snapshots of what was played by a certain group at a certain place at a certain time.

After making two albums with his band Takeisha returned to the studio in September of 1974 to make a solo album. Catch Wave is a piece he wrote for processed violin, voice, radios and oscillators. It is available for listening in the extensive cultural archives of Ubu.com at <http://www.ubu.com/sound/kosugi.html>. The first side of the LP arrives like a beam from a strong station. With the antenna pointed it gets a bearing on the transmitting station and comes in full quieting. As only good radio and good music can do, Catch Wave transports you to another world, one of endless shimmering undulations. The rising of the waves of the radio and the oscillator, and a prevalent wah-wah-wah and whirr-whirr-whirr of mysterious origin are mixed in with the floating see-saw of the electric violin. The entirety of the piece creates an immersive mysterious sound world. The waves build and then fall back again into nothing. The piece takes up the entirety of two-sides of a slab of wax. It is the kind of signal I always want to tune right into. It is kind of wave I always want to catch.

References:

Japrock sampler: how the post-war Japanese blew their minds on rock 'n roll by Julian Cope, Bloomsbury Publishing, 2007

<https://www.soundohm.com/product/music-of-group-ongaku/pid/16484/>

<http://www.ubu.com/sound/kosugi.html>

by Justin Patrick Moore, KE8COY

Greetings! Maybe the tubes in your shack have been keeping you warm and active this past month but as the resident book pusher I also hope January found you cozying up with a book or two. If not, I have some recommendations.

Weird Books

Part of the delight of working at the library is the discovery of strange books. For me, the weirder the book is the more it will catch my interest. Whether it is actually a good book or one that will hold my attention is another matter. I was recently turned on to the “Weird Books” department for the online bookseller Abe Books (<https://www.abebooks.com/books/weird/>). This page provides a wonderland of strangeness. Though I may never shell out the money to buy a copy of *The stray shopping carts of eastern North America: a guide to field identification* by Julian Montague, knowing that it exists fills my heart with delight. The same goes for titles like *Barbs, prongs, points, prickles & stickers: a complete and illustrated catalogue of antique barbed wire* by Robert T. Clifton. Just the fact that somebody would set out to write such a book is evidence that there is a niche for every obsessive. If you are into fashion and fascism than maybe the book *Dictator style: lifestyles of the world's most colorful despots* by Peter York will give you some pointers. Or if getting in shape is still a part of your New Year's resolution then maybe *Hanging out: the upside down exercise book* by Ira J. Rapaport will be a book you'd want to find and hold on to with your dear life. If you always wanted to be a veterinarian but somehow never got around to it, maybe you can pick it up as a hobby. If so the book *Deodorizing the skunk by surgery* by Ray Singleton may help you get started. But please don't come to a club meeting or event if you end up getting sprayed after attempting such a foolhardy thing. There is a weird book out there for everyone. Your local public library has more than a just a few. And I plan on adding some strangeness to the clubs collection. I encourage you to a weird book to read. They will give you a chuckle and just may change how you look at the world.

Vintage Digital

For those who enjoy their reading to be in digital modes, a heady blast from our radio past came a few weeks back on the SWLing Post web blog with the announcement that a number of vintage radio and amateur radio related eBooks are available for free download on the Gutenberg.org website.

Among them is the 1922 edition of *The Radio Amateur's Handbook* by A. Frederick Collins. Collins was an early American wireless experimenter of some prominence and a prolific scribbler to boot. His reputation was tarnished in 1913 when he was convicted of mail fraud related to stock promotion. After serving a year in prison for his crime he returned to writing. Beginning in 1922 he published *The Radio Amateur's Handbook*, which continued to be updated and reprinted until the mid-1980s, (Archie Collins died in 1952 so I'm hoping the updates done after his death were made by other writers and not by his ghost). He wrote scores of articles and books covering a wide range of scientific and technical subjects. His credits include 37 'self-help' and practical books that ranged from chemistry to electricity, from astronomy to mechanics and gardening.

Looking through the list of radio books over at Gutenberg.org there are lots of cool science fiction books and old school action & adventure “radio” novels. Among these *Radio Planet* and *The Radio Boys seek the Lost Atlantis* look promising. There is also a book on induction coils, among other things.

Jarno de Haan @PA3DMI tweeted the link that will display the books available: <http://www.gutenberg.org/ebooks/search/?query=radio>

BACK TO ANALOG

And always remember the Oh-Ky-In club library has some tomes with real heft if you prefer your radio reading to be in an analog mode. The club library also has a much wider selection than what is available in the above link. So stop by the book table at the next meeting and grab something to cozy up with on these long winter nights. I can also bring you a book or meet you somewhere with it if you need a radio reference pronto. Until then keep your aerials up & your batteries charged.

The librarian can be reached via email at: justinpatrickdreamer@gmail.com

February 2019 DX Spots de KA3MTT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				V31JZ/p - Belize thru 2-6 	1 TI5 - Costa Rica thru 2-13 	
3	4 PJ4 - Bonaire thru 2-10 	5 XV9 - Vietnam thru 2-18 	6	7 V8rSAA - Brunei thru 2-18 	8	9
10	11 V47KA - St Kitts & Nevis thru 2-25 ----- XX9D - Macao thru 2-26	12	13	14 	15 3A - Monaco thru 2-18 ----- YS2 - El Salvador Thru 2-22 ----- 9U4RI - Burundi thru 2-25	16 C5DX - Gambia thru 2-23 ----- T31EU - Central Kiribati thru 3-5
17	18	19	20 6W7 - Senegal thru 3-30 	21	22 KP3RE - Puerto Rico Thru 2-24 ----- TT8RR - Chad thru 3-7 ----- FG - Guadeloupe Thru 3-10	23
24	25	26	27 HD8M - Galapagos Thru 3-6	28		

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 November Meeting, Tuesday November 6th, will be held in the downstairs hall. This hall's entrance is off the lower parking lot behind the building we meet in now, so plan on parking in the lower lot.

The next meeting of the Oh-Ky-In Amateur Radio Society will be Tuesday, February 5th at 7:30 PM

Program:

uBitx
By
Bob WA6EZV

OH-KY-IN Amateur Radio Society

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PLEASE
PLACE
STAMP
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