

Q-FIVER

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



OH-KY-IN Members Work Recent ARISS SSTV Event

Over the weekends of February 8th through the 10th and 15th through the 17th, Amateur Radio on the International Space Station (ARISS) held a Slow Scan Television (SSTV) event to commemorate NASA On The Air (NOTA) and Amateur Radio on the ISS.

The event consisted of 12 images, eight for NASA events and four for ARISS milestones, transmitted from the ISS on 145.800 MHz FM using PD 120 SSTV encoding. The event was timed for maximum ISS passes over the continental United States, including many over the Cincinnati Tri-State area. Originally only lasting three days, the ISS had problems on the first day (the transmission power seemed incredibly weak; the sound was barely audible and a challenge for software to decode without a pre-amp), which were corrected by the second day, but ARISS decided to run the event over the following weekend to allow more amateurs a chance to receive all 12 images.

Amateurs were able to upload their images to the ARISS SSTV Gallery website (https://www.spaceflightsoftware.com/ARISS_SSTV/index.php) and then request a reward certificate at the ARISS SSTV Award website (<https://ariss.pzk.org.pl/sstv/>).

Several OH-KY-IN hams, including yours truly, got involved with the action and captured SSTV images from the ISS. A wide variety of equipment was used to capture and decode these images including a great image from Brian K4BRI using a smartphone and HT with a rubber duckie antenna!



Example ARISS SSTV Award – Cesi KD8OQB

SSTV from the ISS is great fun with events held several times a year. Typical amateur radio news outlets report when these events occur, including the OH-KY-IN email reflector. If you're not sure how to decode SSTV images, make sure to attend the March 5th OH-KY-IN meeting where the program will present and demonstrate SSTV.

73!

Cesi KD8OQB

(Continued on page 4)

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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

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2019 Committee Chairs and Appointments

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 Volunteer ExaminersBrian DeYoung K4BRI
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 K8SCH QSL Mgr Bob Frey WA6EZV
 TV/RFI Dick Arnett WB4SUV
 HamFest..... Gary Coffey KB8MYC

March's ARDF style foxhunt will be on March 30th at 10AM in Mt Airy. We will be starting from the lodge at the end of Dulmar Ridge road. Turn left toward the circle then left at the first street.

March 2019 Calendar

Sun Mar 3	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: Unusual Types of Propagation
Tue Mar 5	7:30 PM	Club Meeting in St Bernard—SSTV by Cesi, KD8OOB
Wed Mar 6	9:00 PM	Tech Talk, NCS Robert AK3Q
Sat Mar 9	1:00 PM	Brunch Bunch at O'Charley's, 5075 Crookshank Road, 45238
Sun Mar 10	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: Baluns and Transmission Line Transformers
Mon Mar 11	7:00 PM	Classes for the Extra class license, Hamilton Co Communications Center—2377 Civic Center Dr
Tue Mar 12	7:00 PM	Board of Directors meeting at My Neighbor's place –3150 Harrison Ave.
Wed Mar 13	9:00 PM	Tech Talk, NCS Mike N8MRS
Sun Mar 17	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: Working with RTTY
Mon Mar 18	7:00 PM	Classes for the Extra class license, Hamilton Co Communications Center—2377 Civic Center Dr
Wed Mar 20	9:00 PM	Tech Talk, NCS Dale, KC8HQS
Sun Mar 24	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: I am a New Ham, "What Now?"
Mon Mar 25	7:00 PM	Classes for the Extra class license, Hamilton Co Communications Center—2377 Civic Center Dr
Wed Mar 27	9:00 PM	Tech Talk, NCS George N3VQW
Sat Mar 30	10:00 AM	Monthly ARDF style Foxhunt—Starting at the end of Dulmar Ridge Rd, Mt Airy Forest
Sun Mar 31	6:30 PM	Newcomers/Elmers Net, 146.67, Topic: Experienced Hams, "I'm Bored. What Now?"

NASA On The Air
Apolo 16

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 1/12

Image 1 - Steve AA8SW

NASA On The Air
Atlantis and Mir

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 2/12

Image 2 - Dan

NASA On The Air
Hubble Space Telescope

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 3/12

Image 3 - Steve AA8SW

NASA On The Air
Curiosity on Mars

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 4/12

NASA On The Air
International Space Station

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 5/12

NASA On The Air
Apolo 8 50th Anniversary - Launch

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 6/12

Image 6 - Dave K8DWA

NASA On The Air
Apolo 8 50th Anniversary - Earth Rise

Samburov Kostia - 35

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 7/12

Image 7 - Dan

NASA On The Air
Apolo 8 50th Anniversary

NOTA

nasaontheair.wordpress.com

RSOISS NA1SS 8/12

Image 8 - Brian K4BRI decode this with a smartphone and HT with a rubber duckie!

Giving thanks to the ISS Fan Club website for 17 years of Outstanding ARISS Support!!

NOTA

RSOISS NA1SS 9/12

Image 9 - Dan

Commemorating the 35th Anniversary of First Ham Operations from the Space Shuttle—December 1983

NOTA

STS-9 with Owen Garriott W5LFL on-board

RSOISS NA1SS 10/12

Image 10 - Cesi KD8O0B

Commemorating the 30th Anniversary of Mir Ham Radio—November 1988

NOTA

Mir Space Station

Andy Thomas on Mir Radio

Valery Korzun (right) John Blaha (left)

Aleksandr Volkov (left) Sergey Krikalev (right)

RSOISS NA1SS 11/12

Image 11 - Cesi KD8O0B

Commemorating 18 Years of Continuous Amateur Radio Operation from the ISS

NOTA

RSOISS NA1SS 12/12

Image 12 - Steve AA8SW

The Librarians Book Nook

by Justin Patrick Moore, KE8COY

Do you want to learn electronics? Do you want to dive deeper into the electrical field based on the skills you already have and the things you already know? The resources available to you in Oh-Ky-In ARS are a surefire way to help you reach your potential, to help you build that kit, design that circuit. The cool thing about a club like ours is that it is full of knowledgeable elmers who can help you out when you need a bit of technical advice. And if you ask a group of hams a question you'll probably get several different answers! One thing you can be sure of is there won't be a shortage of opinions. The club library is also chock full of books you can reach for if you need a reference. Our latest batch comes from the workbench of Jerry Shipp, W1SCR, who had a career working in electronics and robotics. He graciously donated around 45 or so titles to the clubs bookshelves. Some of these books come from his time as a teacher of electronics. As such they are a great place to dig and learn the fundamentals, as well as a resource for doubling down on more specific topics.

Titles of interest include, Cincinnati Institute of Electronics course book, Electronics: Principles and Applications, Audio Servicing, Linear and Interface Circuits Applications, Digital Electronics, Optoelectronics, Microprocessor Interfacing, and Transistor Circuit Design with Experiments. My favorite title in the bunch might be the slim volume, Between the Sheets: a Look at VCR's. This old mimeographed booklets is fun to look and still might be of use for anyone who enjoys a bit of retro tech. A useful companion to it would be the Transistor TV Training Course.

A fully updated library catalog will be available from me at the March meeting, and will hopefully find its way as a pdf file on the website in time. So stop by, pick up a book, and heat up that soldering iron!



OH-KY-IN ARS Member Spotlight

Mr. Roger Higley - W8CRK - Lifetime Member

Roger's start in Amateur Radio

Roger became interested in Amateur Radio around the age of 10. He would always take apart radios to see if he could figure out who was "talking from inside the box." He met his Elmer - Charlie Becker, W8PAU (SK), in Hamilton, OH, and then became licensed in 1955. Roger learned CW from Charlie, and eventually became the first to earn the OH-KY-IN ARS John Hugentober CW Award.



Operating position at W8CRK -
Kenwood TS-990S

W8CRK and the Early Years of OH-KY-IN ARS

Roger is one of the original founders of the great organization we have presently! He and his wife held annual dinners at their home in the 1970's and 1980's to celebrate the anniversary of the founding of OH-KY-IN ARS. Bob Gorman, K8HBT (SK) and his wife helped with this endeavor, which often brought between 60 and 80 people.

Roger has operated mostly CW, chasing DX and contesting. He built many transmitters and receivers, especially when AM was popular. He enjoys the OH-KY-IN Ham-fest, as well as Hamvention.

When Roger isn't in the shack, he enjoys golf, tennis, and photography.

Roger shared an INCREDIBLE story about his Elmer, Charlie W8PAU. Charlie was in the Navy as a radio operator on a destroyer. One evening on watch, he thought he heard a CW "SOS" call from another US warship. He alerted the captain, who then changed course to respond to the SOS distress call.

There was ONE thing that kept that entire ship alive - a single dash in Morse Code.

Charlie realized the ship was actually sending SUS. The German 'U' is dot dot dash dash in Morse. This meant the ship was actually a German war submarine, and they were able to steer clear of the sub.



W8CRK's 3 Element
SteppIR with 40M at 70 Feet



February 5th 2019 Meeting Minutes

Meeting started 7:31 with pledge of allegiance

Guests

Mark KD8IMC

Jim KM4TXR from the Northern Kentucky club

Greg KD8WIK

New licenses or upgrades : none

Introductions : 49 persons present for the minute

Health and welfare - Ted NC8V thanks everyone for good wishes. Cervical spine surgery went ok, second disk was in worse shape than on MRI indicated. Currently he only has access to 2 meters. He did get ride to Mansfield.

Brag:

George N3VQW - continuing to learn electronics. Fixed a malfunctioning project.

Business meeting:

Corrections to minutes: There were a couple corrections .. Voted to approve as corrected

New membership - no membership update

Treasurers Reports – Brian K4BRI passed out numbers. Will be filed audit

Silent Key - nothing to report. Drake and other equipment for sale

Tech Committee - Gary has been appointed tech committee chair. Gary asked for volunteers - late February familiarize with tech meeting, date to be announced. Technical expertise not necessary. Out on reflector later this week.

Classes and exams - got approval for both locations. Extra exams will be held at Hamilton County Communications Center on Civic Center drive in forest park.

Extra class starts on Mar 11th and will run for 10wks

General and Tech classes run April 15 - May 13 at 7:00 pm - 9:00 pm at the Red Cross in Dana Ave.

Exam will not be on 18th because of Hamvention. The exam will be a week after Hamvention, on the 25th in St Bernard in the Centennial room.

Foxhunts - ARDF didn't have one in January due to the winter weather. Next fox hunt will be Sat Feb 9th Mt Storm park in Clifton, It will be a mobile hunt starting at 10:00 am

Library - Plenty of books. Still have six weeks of winter so pick out a book to read while keeping warm indoors. Jerry Shipp donated a whole box of electronics books, Suzy brought in two books. Jim had donated book to bring in

Early in the year, if you have not renewed members, do so now. Wed appreciate it. If you need to renew arrl, you can do that through the club

Tech Talk – Wednesday at 9 the on .67, bring questions

Newcomers and Elmer's net - 30 people on Superbowl Sunday, next weeks topic grounding and bonding as related to lightning

Winlink Net, Winlink Wednesday, send Ed K8EAF a Winlink message! Good practice and training on Winlink

Digital group - played with Winlink, how to do it and get setup, come on down, .

Website - Rocky - Going through now tightening down access. Limited to people who we can activate as active members of the club, members only access to the club. George made some tweeks

QCEN - Pat is not here, John - nice turn out for winter field day.

Winter Field Date - Great turnout 30+ people showed up. All three radios working all time. Did better on cw. 24 digital contacts, 318 phone contacts and 6 multipliers. Robert Ak3Q said he had a good time and logged most of time but won't do overnight again. Thanks to QCEN for hosting

ARES - Bryan - quiet season, behind the scenes stuff. On stand by. Might need to active with storms coming in. Next meeting is on the 19th at the Hamilton County Board of Heath on William Taft at 7:00 pm. The flying pig is the kick off for the busy season.

Bruce Brunch Bunch - 8 years this Saturday. Never missed. This Saturday at 1:00, back at place it all began, Chili Time in St. Bernard

Old Business

Cesi KD8OOB – State birthday special event stations will not happen this year because of lack of interest. Will revisit at the end of the year to give more planning time. There is still interest in doing a Reds special event station and Indian Mound. Justin has the QSL cards for the Cincinnati Observatory special event station.

New Business

Audit committee was formed to review and audit the treasurers report. Three club members who are not on the board are needed

The three volunteers are:

1. John d8mmy
2. Fred
3. Ed n8aln

The audit report needs to be filed in March.

NVIS day will be on April 27th. Jerry and Mike will organize this event.

CFF Cycle for Life will be on Sept 14th .

Hamfest: Gary chaired in the past and is willing to that again with a partner with him so that they can learn how to organize a hamfest. Anyone interested in learning how to run hamfests – contact Gary. Date of hamfest to be announced.

1940's weekend, Robert Michael and George. Our contact passed away. Mike will search his email to see who to contact.

Weather Spotter classes : Hamilton county Feb 19th at the Grove on Winter road in green Township. Visit weather.gov/iln for details.

Cincinnati Maker fair will be on Saturday April 13th 10-5 at Union Terminal.

5 minute break @ 8:10

Program started at 8:20

Bob did a presentation on the uBITX low power radio kit

Submitted by George N3VQW

Brunch Bunch

The next Brunch Bunch will be held Saturday, March 9th, at 1pm. The location for March is [O'Charley's Restaurant and Bar in the Western Hills/Price Hill area](#). O'Charley's of Cincinnati is located at 5075 Crookshank Road, 45238. Crookshank Road intersects with Glenway Avenue directly across from Boudinot Avenue. O'Charley's is just a short distance on the left from that intersection.

You can take a look at the menu as well as a map at:

www.ocharleys.com

“While traditional elements of Southern Hospitality include generous food portions, Southern food staples like fresh-baked pies, a welcoming environment, plus friendly and engaging customer service, we realize that Southern Hospitality is also about connecting with one another. It's about the people you are with and the memories you make.”

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: William Basinski's River of Shortwave Tape Loops

Magnetic Lemniscate: A Brief History of the Tape Loop

Sometimes, if the day has been hectic, when I get home I just want to kick back, relax and put on a record. Or a cassette. I still have hundreds of hours of music stored on tape, one of the finest mediums of storage ever invented. This privilege of being able to listen to recorded audio is unique in human history, and my ability to soak in the musical glow from my hi-fi system with my feet propped up and my head in my hands was built on the sweat of many researchers. The phonograph, loudspeaker and microphones all proclaimed that the age of audio had arrived. The promises made by this tech only cracked the door ajar. There was still a bolt in place on the other side barring further entry. The invention of magnetic tape recording proved to be the golden skeleton key responsible for unlocking the door to the studio of the audio engineer, and from there many other rooms in the mansion of new media.

Inside the tape studio it is possible to cut. Splice. Rewind. Fast forward. Edit. Create a new sequence for creative playback. The practice of recording and editing audio using magnetic tape was an obvious improvement over the previous electro-mechanical methods. The leap in audio fidelity alone was a dramatic feat. Further, it allowed for new practices of editing. It allowed for repetition, a key aspect of music, and so the loop was born. Splice. Snip. Audio on magnetic tape had established itself as simply superior. The analog tape recorder made it possible to erase. Audio mistakes could be fixed at less cost by recording over a previous recording, something not possible on the shellac and vinyl based medium of the phonograph. The edit turned into an art form as tape had the advantage of being cut. Spliced, it could be joined back together in an endless profusion of edits. Music could be rearranged, deranged, or removed.

From 1950 onwards magnetic tape quickly became the standard medium for audio master recording in the music and broadcast radio industries. This led to the development of hi-fi stereo recordings for the domestic market. If the day has been hectic, just kick back with some Les Baxter or the exotica of Martin Denny and let it transport you away from the work of the daily grind. Now in hi-fidelity, and turning at 33 1/3 rpm, longer songs and longer sounds mean more time to chill in the lounge. Sonically edited the album now offered to audio engineers the same plasticity of arrangement known to film directors. The many new combinations available became mind boggling and cinematic.

When I think of tape, I think primarily of its role in audio and video storage. I think of the way it revolutionized sound recording, reproduction and broadcasting. It allowed radio, which had always been broadcast live, to be recorded for later or repeated airing. I think of how I sat with a radio and it's built in cassette player to tape those late night radio shows. To be listened to again and again. But there was also data storage on tape. Remember tape drives? They were a key technology in early computer development, allowing unparalleled amounts of data to be mechanically created, stored for long periods of time, and rapidly accessed.

When I think of tape I think of iron oxide. It's on tape and it's also in your blood. It's the stuff responsible for giving it that bright red color. It's the stuff that holds the memory of a recording on the tape making it magnetic. The memory is in the blood. Iron oxide stores the genetic memory of music. Editing a tape splices the DNA of sound. Perhaps it is this magnetic resonance of the iron oxide, a shared connection with a vital and elemental force that has given tape such a place of prominence in electronic music. Perhaps it was the way the tapes could be manipulated, slowed down, sped up, chopped up and put into new patterns, which made tape such a dream. This medium of preservation and creation is in the very blood of electronic music.

With the invention of the tape loop the dream of creating infinite music was realized. The use of the pause button had been put on hold. Tape loops are spools of magnetic tape used to create repetitive, rhythmic musical patterns or dense layers of sound when played on a tape recorder. Sound is recorded on a section of magnetic tape and this tape is cut and spliced end-to-end, creating a circle which can be played over and over again, continuously, over and over. This is usually done on a reel-to-reel machine, though industrious lo-fi recording artists have been known to rig their own cassette tapes into loops. The loop originated with the musique concrète work of Pierre Schaeffer in the 1940s. He used the simultaneous playing of tape loops to create phrase patterns and rhythms. Musical experimentalists continued to explore the possibilities of this method on through the 1950s and 60s. Devotees of the tape loop included Steve Reich, Terry Riley, Karlheinz Stockhausen and Brian Eno.

The medium is perfect for creating phase patterns, rhythms, textures, and timbres. When the speed of a loop is accelerated to a sufficient degree a sequence of events originally perceived as a rhythm now is heard as a pitch. The variation of the rhythm in the original recording produces different timbres in the sped up sound. Tape can also be slowed down, causing the music to drop in pitch and for sounds to be stretched. Tape was also used to create echo systems. The first delay effects were made using tape loops improvised on reel-to-reels by shortening or lengthening the loop of tape and adjusting the read and write heads, to create an echo whose time parameters could be adjusted. This delayed signal may either be played back multiple times, or played back into the recording again, to create the sound of a repeating, decaying echo.

Being the pioneer he was Stockhausen made extensive use of loops in *Gesang der Jünglinge* (1955–56) and *Kontakte* (1958–60) and he used the technique for live performance in *Solo* (1965–66). Steve Reich was the composer to use the technique the most, specifically in his "phasing" pieces *Come Out* (1966) and *It's Gonna Rain* (1965).

In the realm of popular music it was used to great effect in the 60's and 70's. Think of the psychedelic music of the Beatles on the *White* album and of its use in the progressive rock and ambient genres. A standard loop on a standard reel-to-reel is at most a few seconds long. This is not enough for some composers. To create a longer loop a standard practice was to use two reel-to-reels or for even longer stretches of tape, to run them around mic stands, or even door knobs. Perhaps the best known album made with this technique was Brian Eno's *Music for Airports: Ambient 1*. This recording ushered in the vast and sprawling genre of ambient. In creating his 1978 landmark Eno reported that for one song, "the tape loops was seventy-nine feet long and the other eighty-three feet".

Enter William Basinski

Texas born Basinski is a classically trained clarinetist who studied jazz saxophone and composition at North Texas State University in the late 1970s. At the age of twenty in 1978 he became inspired by the techniques of Steve Reich and Brian Eno and started the process of developing his own musical vocabulary using old reel-to-reel tape decks. Basinski experimented with short looped melodies. When played against themselves the loops created a pleasant feedback. Working with this discovery he created his singular meditative, melancholy style within the drone and ambient genres.

Basinski's first release was *Shortwave Music*. First created in 1983, it wasn't released until 1998 when Carsten Nicolai's Raster-Noton label put it out in a small vinyl edition. It was followed by his shortwave magnum opus *The River*. Basinski writes, "As a young composer in the early 1980's I was experimenting with tape loops: recording and mixing them with sounds coming from the airwaves. The idea was to capture music out of the ether. In NYC, there was a very powerful radio station, I can't remember the call letters, but it was the station that played American popular standards....that is, the '1001 Strings' smoothed out, de-syncopated versions of the American popular standards: what was commonly referred to then as Muzak, or 'elevator music'. In those

days, there was no Prozac, only Muzak to smooth out the seams and ease the tension of hectic neurotic life in the mid-late 20th century. At any rate, this station was so powerful, it could be picked up by simply running a wire across the floor, so frequently I was picking up background transmissions in my recordings. Since it was inevitable and I had no choice in the matter, I began experimenting with recording off the radio small loops of string intros, outros and interludes randomly in my primitive studio in Brooklyn. I would then slow them down a couple of speeds and as if peering into a microscope, to see what I could discover beneath the glossy surface. Frequently, these loops held great depth and melancholy. This appealed to me greatly and I created a vast archive of these loops to later experiment with. I am still using this archive to this day.”

Having this library of ‘found’ material became very important to his work, as it became the basis for many future albums and releases. Something else he found at a thrift store was also important, the machine that would provide his radio static. “I bought a wonderful old Hallicrafters shortwave radio at the Goodwill around the corner and began listening to that. The sounds coming from this magical device were awesome. The idea that one could hear transmissions from ‘behind the Iron Curtain’ or Japan or London was thrilling and mysterious. The waves of shifting static and interstellar particle showers were mind-boggling to a young man who grew up in the shadow of the space race.



I was having a problem with a 60 Hz ground loop hum in my recordings. I had no idea what was causing it at the time...probably our fluorescent lights...just that it bothered me and I couldn't figure out how to get rid of it. So I decided to try to mask it with the shortwave radio static. I would set the Hallicrafters on a pleasing in-between-stations setting teeming with showers of sparkling static and record live while mixing my loops. The results were extraordinary. The Hallicrafters would sometimes shift focus as if responding to the music coming from the loops. Occasionally a distant station from the Middle East perhaps, would slide into range just for a moment like a lingering column of cigarette smoke swirling slowly in a spotlight. I was very encouraged and excited. I didn't know if I was really a composer, or if this was music, but to me it was magic! I loved it and was in my laboratory every night after work, like Dr. Frankenstein, just waiting to see what fascinating and strange sounds would bubble up next. The results of this period of experimentation were the *Shortwave Music* pieces and ultimately, the 90 minute masterwork of the series, *The River*. It would be over 25 years before these pieces would be released to the public."

Even though it wasn't until the late 90's that his music saw release on a label Basinski remained very active in the NYC music scene. He was a member of many bands including the Gretchen Langheld Ensemble and House Afire. In 1989, he opened his own performance space, "Arcadia" at 118 N. 11th Street. In the 1990s he helped put together many intimate underground shows at his space for artists like Diamanda Galás, Rasputina, The Murmurs, and Antony as well as his own experimental electronic/improvisation band, Life on Mars. In 2000, he made a film titled *Fountain* with artists James Elaine and Roger Justice.

In August and September 2001 Basinski started work on what would become his most recognizable piece, the epic four-volume album *The Disintegration Loops*. The album is made up of old tape loops whose quality had degraded. In an attempt to salvage these loops by recording them onto a digital format, the magnetic iron oxide ferrite on the tapes slowly crumbled. With each pass of the tape over the head on the reel-to-reel deck more and more of the iron oxide fell off. The loops were allowed to play for extended periods as they deteriorated further, with increasing gaps and cracks and spaces in the music. These sounds were treated further with a spatializing reverb effect to further enhance their haunting aura. Basinski was able to capture the sound of their disintegration and the results were beautiful and stunning. The disintegration of these tapes was made all the more poignant as he finished his work on them on the morning of 9/11. Basinski sat on the roof of his apartment building in Brooklyn with friends listening to the finished project as the World Trade Center towers collapsed. The artwork that accompanies the album features stills of footage he shot of the NYC skyline in the aftermath of the attack. In September 2012, the record label Temporary Residence reissued the entire *Disintegration Loops* series as a 9xLP box set, marking the project's 10-year anniversary as well as its impending induction into the National September 11 Memorial & Museum.

The creation of the *Disintegration Loops* was something of an accident, timestamped by their own destruction and the terrible tragedy of 9/11. The four albums are perfect as a reminder of the beauty to be found in imperfection, as a reminder of our own transience, of our own ultimate disintegration, of how the iron oxide in our blood will once again return to dust.

References:

Live wires :a history of electronic music by Daniel Warner, Reaktion Books Ltd, London, England, 2017.

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

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

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

William Basinski's website: <http://www.mmlxii.com>

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

<https://wavefarm.org/ta/works/azeqwc>

ARDF and Foxhunting

The February mobile foxhunt had 4 teams show up, and it was a decent if chilly day to go find Phil. I had constructed a brand new 4 element quad antennas and it tested out pretty good before the hunt—the resonant frequency was a little lower than 146 mHz but close enough that I got a really good pattern out of it, so I was feeling good that my troubles were over and I would be able to compete once again.

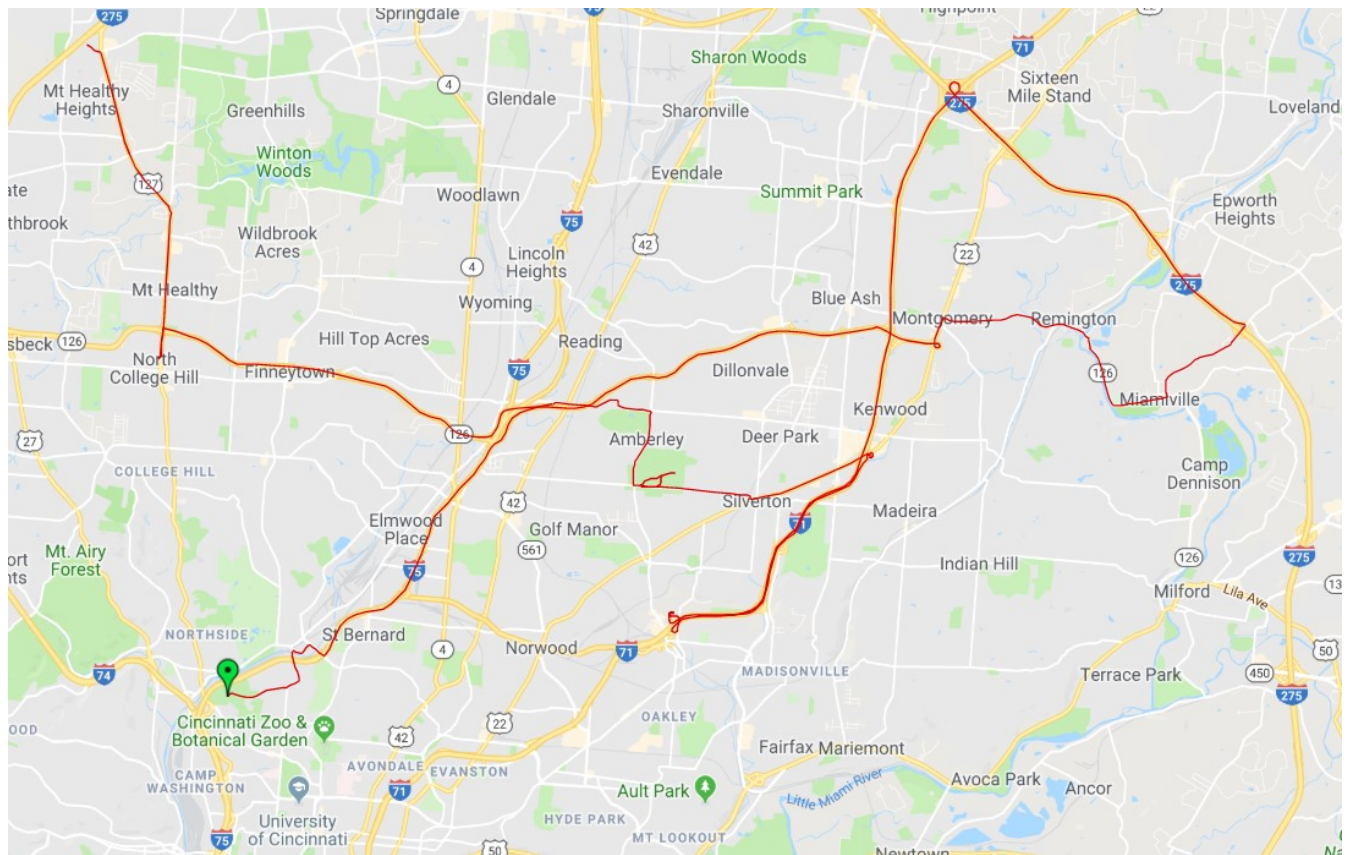
*****NOPE*****

We had a very weak signal at the start, and a few of us did not hear anything at all. I thought I got a signal to the SSE, but then Phil gave us all a clue to head to the NorthEast (more on that part later).

So we headed to the NE—since he had a really weak signal we thought he was really far away so we were prepared to venture out a way before we got a really good signal. At Reagan and 71 we got something but it was hard to get a clear bearing, so we kept going. We have no signal but we keep going hoping it will get better. Finally, reaching Wards Corner and 275 I start to get a clue and decide to go back where we had a signal. So we took 275 back to 71 and down to Kenwood. Passing Kenwood mall, I give up on my new quad so we go to Ridge Ave Home Depot and I jump out with the tape measure beam and it says to the north west from there. So we carefully go back up taking readings every now and then and get over by French Park. We are so frustrated by now that we call Phil and say we are not getting anything good.

Phil says we are not close, and oops—I meant to say northwest from the start, not northeast. OK then, we go west on Galbraith, Reagan, get to Hamilton Ave and head north. Around 275 and Hamilton, we go in lots of circles and we finally find him. Yay.

After the hunt on a little warmer day, I take the spectrum analyzer out to the car, and start to replace all the wiring—trying to find out what is causing my problems. Lots and lots of interference, especially on all of 2m when the key is on, not with the engine running. A foxhunt on my own car led me to the aftermarket back-up camera which worked fine for a while. Disconnecting that and there was no noise at all—my 857 was back to S zero and hopefully I am back in business.



March 2019 DX Spots de KA3MTT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
FG - Guadeoupe thru 3-10 	V31GF - Belize thru 3-2 	FK - New Caledonia Thru 3-10 	HD8M - Galapagos Thru 3-6 ----- A5A - Bhutan thru 3-5	VP5 - Turks & Caicos Thru 3-8 	1 ZF2CA - Cayman Is Thru 3-15 	2
3 PJ7AA - Sint Maarten Thru 3-30 	4	5	6 A52 - Bhutan thru 3-9 ----- FO - Fr Polynesia Thru 3-12 ----- KG4 - Guantanamo Thru 3-13	7	8 C6AKT - Bahamas Thru 3-16 ----- 7P8LB - Lesotho Thru 3-16	9
10 XV9JK - Vietnam thru 3-16 	11 XR0ZRC - Juan Fernandez thru 3-27	12	13 5X3C - Uganda thru 3-25 ----- 8P6DR - Barbados Thru 4-17	14 E51HMK - S Cook Is Thru 3-22 ----- 5V7EI - Togo thru 3-26 ----- PJ2 - Curacao thru 3-30	15	16 3W9JF - Vietnam thru 4-6 
17 	18	19 E6ET - Niue thru 4-2 	20	21 TO2BC - Fr Guiana Thru 4-22	22	23
24	25	26	27	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 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, March 5th at 7:30 PM

Program:

SSTV
By
Cesi KD8OOB

OH-KY-IN Amateur Radio Society

Q-FIVER Editor
Brian DeYoung, K4BRI
6901 Backus Drive
Alexandria, KY 41001

Phone: (859) 635-3095
Web: www.ohkyin.org
E-mail: k4bri@arrl.net

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