



# Q-Fiver

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

### In The News

*In Person Meetings,  
remain cancelled, but  
don't despair, you can  
always*

**GET ON THE AIR!!**  
**GET ON THE AIR!!**

(Whoo-Hoo! We have  
SFI numbers hitting  
100!! And they have  
only just begun to  
rise!)

### In The News

**Time to Vote!**  
**And hopefully**  
**the results**  
**will not**  
**require a**  
**recount!**

**Find out how to**  
**be a part of the**  
**vote [here!](#)**

### In The News

**Starting December,**  
**send Newsletter**  
**items to Rocky!**

*Rocky is stepping in to  
cover a few months of the  
Q-Fiver as I am moving  
and will not have reliable  
Internet access for the  
first half of the year.*

[Click Here for Details](#)

## Calendar of Events for December 2020

Tue	Dec 01	Club Meeting (see announcement <a href="#">page 2</a> )
Wed	Dec 02	TechTalk Bob W8CRO
Tue	Dec 08	Board of Directors meeting (see announcement <a href="#">page 2</a> )
Wed	Dec 09	TechTalk Mike N8MRS
Sat	Dec 12	Brunch Bunch Cancelled due to State Group Restrictions
Wed	Dec 16	TechTalk Dale KC8HQS
Wed	Dec 23	TechTalk George N3VQW
Wed	Dec 30	TechTalk Rick KD4PYR

*DECEMBER MEETING NEWS FROM THE PRESIDENT*

Club Members and Friends,

Due to the continuing situation with COVID-19, our club meetings and board meetings will be held online & by phone via Zoom for the foreseeable future. The club meeting is the first Tuesday of each month at 7:30 PM and the board meeting is the second Tuesday of each month at approximately 7:20 or so (due to a schedule challenge). Since there is no readily available means of having an anonymous voting process, we will continue to postpone voting on the bylaws changes until a more appropriate time. You do NOT need to create an account to use Zoom.

Both events (the club meeting and the board meeting) will use the same Zoom meeting code. I hope to have the meetings opened to join at least 5 minutes before the scheduled start time and hopefully earlier. Here are some tips to ensure success for everyone:

- If you are not speaking, please keep your line muted.
- For best results, use a headset or earbuds or something similar. We've seen that iPads and higher end smart phones tend to work fine with just their built-in speakers as have newer computers, but older and/or lower end smart phones have created feedback problems. A headset or earbuds will solve that virtually 100% of the time.
- If possible, join from a computer or smartphone/tablet instead of dialing in by phone. This will allow you to see who has joined as well as view video if people are sharing their video. (For our visually challenged members, phone would be just fine and probably simpler.)
- If you are going to dial in by phone, be sure to use a phone that has free long distance. Otherwise, you will be paying for long distance charges for the duration of the call.
- If you dial in, I may call out the last four digits of your phone number and ask you to identify yourself so that we can change the display from your phone number to your callsign, to help everyone know who's on the call. If you are concerned about your phone number being displayed in the meeting, dial \*67 before dialing the phone number. That will block caller ID from showing your phone number.

If you have any questions, please e-mail me and I will try to answer them.

Here is the meeting info:

If you are using a computer, follow the meeting link below and you will be prompted to install and run the Zoom client. If you are using a smartphone or tablet, install the "Zoom Cloud Meetings" app and then use the meeting ID below to join the meeting. If you are dialing in by phone (use a phone with free long distance to avoid incurring charges), dial one of the phone numbers shown and then when prompted, key in the meeting ID followed by the # sign. When asked to enter your participant code, just hit the # again. There are many, many tutorials online if you need help. Remember that you DO NOT need to create an account to use Zoom.

Here is the meeting link:

<https://zoom.us/j/996062859>

Meeting ID: 996 062 859

Meeting Password for both club and board meetings: 146670

One tap mobile:

+16465588656,,996062859# US (New York)

+13126266799,,996062859# US (Chicago)

Dial by your location:

+1 646 558 8656 US (New York)

+1 312 626 6799 US (Chicago)

+1 301 715 8592 US

+1 346 248 7799 US (Houston)

+1 669 900 9128 US (San Jose)

+1 253 215 8782 US

Meeting ID: 996 062 859

Password: 146670

Thanks,

Ryan AC8UJ, President

## *OFFICER ELECTIONS AND HOW TO VOTE*

Club elections are coming up during the December club meeting.

As previously communicated in the club meetings, we will be voting this year via Zoom poll and we will have accommodations for any that are unable to vote via that means.

I will also be looking for three members at the December meeting to serve as our "counting committee." This year, those members will need to have joined the meeting from a Zoom client on their desktop, laptop, tablet or smart phone (i.e. not dialed in via telephone nor logged in via the Zoom web browser client) and who are comfortable and competent navigating around Zoom.

Tiffany KD8TIF and I have practiced how we will handle the election process and believe it should be reasonably smooth and painless.

With a bit of luck, we'll even know the election results by the end of the night! Ryan AC8UJ [ac8uj@arrl.net](mailto:ac8uj@arrl.net)

*AMATEUR RADIO NEWSLINE REPORT SNIPPETS***HAM RADIO UNIVERSITY GOING VIRTUAL**

**PAUL/ANCHOR:** In the U.S., organizers of Ham Radio University, who have been preparing for the 22nd annual all-day event in January, are taking the program online instead. We have details from Jim Damron N8TMW.

**JIM:** With COVID-19 restrictions preventing the annual gathering of amateur radio operators on Long Island, New York, the Ham Radio University organizers are adapting the agenda to take place as a virtual conference. Ham Radio University will be held from 8 a.m. to 4 p.m. on the 9th of January, 2021 as a GoToWebinar video conference on the internet. HRU will also serve as the online convention of the NYC-Long Island section of the ARRL.

The agenda features 14 presentations, from the basics of remote-station operation over the internet, to software-defined radios, emergency communications and the nuts and bolts of HF operating. This year's HRU is being presented in memory of its founder Phil Lewis N2MUN who became a Silent Key earlier this year.

Advance registration begins on December 15th. For additional details visit [hamradiouniversity dot org](http://hamradiouniversity.org).

For Amateur Radio Newsline I'm Jim Damron N8TMW.

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**UNIVERSAL RADIO CLOSING ITS DOORS**

**PAUL/ANCHOR:** A store that was an Ohio mainstay with a specialty in shortwave radio equipment is closing its doors. Stephen Kinford N8WB has more details.

**STEPHEN:** Owners Fred Osterman N8EKU and Barbara Osterman KC8VWI have announced their retirement and the closing of their longtime business, Universal Radio, which they operated for nearly 4 decades. A report in the SWLing Post noted that the couple were big supporters of amateur radio clubs and other nonprofit organizations over the years.

The company website posted a message from the couple, which notes that even though their current location in Worthington Ohio is closing on November 30th, the company will fulfill all existing orders and continue to close out its inventory. The company will also maintain its website for the meanwhile.

The message concludes by saying that between operations at Universal Radio and, before that, Radio Shack: [quote] "It has been a privilege to have a continuous career in the fascinating field of radio since 1969." [endquote]

Universal was founded in 1942 by F.R. Gibb W8IJ in downtown Columbus, Ohio and was known as a specialist in shortwave and amateur equipment, including Millen, Drake, Collins and Hammarlund. Barbara and Fred became the third owners in 1982, after buying Universal from Thomas Harrington W8OMV who had acquired it after F.R. Gibb became a Silent Key.

For Amateur Radio Newslines I'm Stephen Kinford N8WB.

(SWLING POST, UNIVERSAL RADIO WEBSITE)

### OH-KY-IN Repeaters

146.670 (-) Clifton 146.625 \*(-) Edgewood 146.925 \*(-) Delhi

443.7625 \*(+5) Clifton [(\*) *Indicates Fusion Repeater*]

*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*

APRS on 144.390 MHz K8SCH-10 Edgewood WIDEn

Packet 145.010 MHz K8SCH-7 Digipeater (offline)– ***Looking for a new site – ideas?!***

### 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  
Bob Craig K8RC*

### MEMBERSHIP RENEWAL TIME!

It's never too early to RENEW your membership either! Our club has made it very easy to do so. You can use cash, check, OR ANY CREDIT CARD! Even though the electronic payment method uses PayPal, you do NOT need a PayPal account to take advantage of this benefit. Simply follow this link:

<http://ohkyin.org/wp/membership-form/>

As we head into the winter season, I thank everyone for your continued support of such a great organization. -- Best of 73, Nathan KA3MTT

## 2020 Committee Chairs and Appointments

Technical Operations Group  
 ARPSC Representative  
 Volunteer Examiners  
 QCEN Representative  
 Membership  
 Fundraising  
 Education  
 Repeater Control Ops Mgr.  
 PIO  
 Librarian  
 Digital Group  
 Q-Fiver Editor  
 Field Day  
 Historian  
 Fox Hunters  
 Equipment Mgr.  
 WebMaster  
 Silent Key  
 Tech Talk Net Mgr.  
 K8SCH QSL Mgr.  
 TV/RFI  
 HamFest

Gary Coffey KB8MYC  
 Jerry Shipp W1SCR  
 Brian DeYoung K4BRI  
 Pat Maley KD8PAT  
 Nathan Ciufu KA3MTT  
 Bruce Vanselow N8BV  
 Michael Niehaus KD8ZLB  
 Bruce Vanselow N8BV  
 (Position Open)  
 Justin Moore KE8COY  
 Jerry Shipp W1SCR  
 Robert Gulley K4PKM  
 Eric Neiheisel N8YC  
 Dale Vanselow KC8HQS  
 Dick Arnett WB4SUV  
 (position open)  
 George Gardei N3VQW  
 Bryan Hoffman KC8EGV  
 Bruce Vanselow N8BV  
 Bob Frey WA6EZV  
 Dick Arnett WB4SUV  
 Gary Coffey KB8MYC

### *TechTalk Operators for December 2020*

<b>1<sup>st</sup> Wednesday</b>	<b>Bob W8CRO</b>
<b>2<sup>nd</sup> Wednesday</b>	<b>Mike N8MRS</b>
<b>3<sup>rd</sup> Wednesday</b>	<b>Dale KC8HQS</b>
<b>4<sup>th</sup> Wednesday</b>	<b>George N3VQW</b>
<b>5<sup>th</sup> Wednesday</b>	<b>Rick KD4PYR</b>



*CLUB DONATION!*

I want to send a big "Thank You" to Horacio, KEY8TVY - he submitted a generous donation to our club in memory of John Hugentober, N8FU.

The following is from Horacio's email regarding John:

"John was my CW teacher, elmer and later a dear friend. In 1984 he helped me to install a miniquad antenna in my QTH, from which together we made several DX CW QSOs. It was fun to watch John sending Morse code. His fist and speed were legendary. I miss him very much. Hams like John contributed a great deal to what our club is today. One of the best, if not the BEST in Ohio and USA"

Thank you very much Horacio! We truly have so many operators with such talent to be thankful for!

Best 73,

Nathan KA3MTT

(and some follow-up posts here from club members)

- John, N8FU, was a great one. He and Carol were extraordinarily welcoming to me when I came to the area and joined OH-KY-IN in the '80s. Dan KF4AV
- John taught Cindy and I CW as well. Jerry W1SCR

*SILENT KEY HARRY DAVIS WA8LOJ*

Harry Davis WA8LOJ passed away yesterday. Lily, Harry's wife called me yesterday. His health has been deteriorating since a fall about a year ago. Does anyone know about when he became a ham. I have researched ARRL, FCC and QRZ, all of which only go back about 30 years or 3 license cycles. Lily thinks it could be 40 or 50 years. Anyone remember?

Thanks, Pat

--

Pat Maley KD8PAT  
AEC HAMCOARES

(and some follow-up comments below)

■ Pat,

Cannot answer your question, but Harry was active in OHKYIN long before I joined in, I think, the mid 1990's. So I'd say roughly 50 years.

I remember Harry as a CW instructor when I was becoming active in OHKYIN. Someone may have the cw trainer he donated to the club..

I think he lived a productive life, sorry for his loss.

73, Fred K9OHE

■ Very sorry to hear. Harry was a great friend and mentor and I too was a CW student of his as I joined the Club in 1993. Yes, his health had been deteriorating but he still made it a point to make Hamvention, other events and meetings. Harry will be missed!

Eric, N8YC

■ Hi Pat,

So sorry to hear about Harry. I remember running into him at Kroger from time to time while he was sitting on a bench waiting for his wife to get done shopping. I'd sit and talk with him for a bit and I could tell his health was slipping.

I came into OH-KY-IN in 1983 and I do not recall Harry as being a member at that time. I do believe that he was a member of GCARA before coming to OH-KY-IN. You might catch one of the old timers from there to see if they recall.

Yes, Harry will be missed !! 73, ..... Bruce

■ Pat: The first listing I saw for Harry in the callbox archives is 1967. Bob, WA6EZV. He was one of the good ones.

■ Thanks to all who sent information. We have determined that Harry was first licensed in the mid 1960's.

His obituary can be found at [meyergeiser.com](http://meyergeiser.com). The funeral will be at St. Teresa Church on Saturday at 10:30 am. No visitation. The Church is on Glenway and Overlook in Price Hill. More information is on the website.



***JUST A REMINDER IN CASE YOU'VE NOT ALREADY SIGNED UP***

Link and use your Kroger Card - Earn money for OH-KY-IN!!

Do you have a Kroger rewards card? If so, the OH-KY-IN Amateur Radio Society has enrolled in the Kroger Community Rewards Program. If you link your card to OH-KY-IN, all eligible purchases you make using your Kroger card will generate income from the rewards program to OH-KY-IN.

OH-KY-IN has been assigned a Non-Profit Organization number of QY352.

To Use the Kroger Community Rewards Program:

You need to visit <http://www.krogercommunityrewards.com> Once logged into your Kroger account you can search for OH-KY-IN Amateur Radio Society either by name or QY352 and then click Enroll. On the right side of this page is View by Type.

Be sure to change this to ALL or to CIVIC ORGANIZATION before entering OH-KY-IN Amateur Radio Society or QY352. New users will need to create an account which requires some basic information, a valid email address and a rewards card number.

Customers must have a registered Kroger rewards card account to link it to OH-KY-IN. If you do not yet have a Kroger rewards card, they are available at the customer service desk at any Kroger.

You must swipe your registered Kroger rewards card or use the phone number that is related to your registered Kroger rewards card when shopping for each purchase to count.

REMEMBER, your purchases will not count for your organization until after you register your rewards card.

Tell your friends about this too. Anyone with a Kroger card can link it to OH-KY-IN.

The OH-KY-IN Amateur Radio Society thanks you for taking just a few moments to link your card to your club! 73, ..... Bruce N8BV

**From Ted, NC8V**

"Weeding 69 year QST collection. Offering 1951-1989, in 1-year lots, no singles. Very few skips; 3 of earliest years are bound. Asking \$3/yr (25c/issue!) + shipping your choice USPS/UPS/cheapest; pickup Cincinnati Eastside ok. Will combine years for better shipping. **\$3 Cost Waived** for legit non-profit recipient! Ted Morris,nc8v@arrl.net

PH. (fife-won-tree) fife-won-niner, fore-ate-seben-seben."

**THE RADIOPHONIC LABORATORY: The Bell Sound: Grooving with Laurie Spiegel**

By Justin Patrick Moore, KE8COY

(Part 2, continued from last month)

**AN EXPANDING UNIVERSE**

Laurie explored many other ideas within the structure of the highly adaptable GROOVE system, taking naps in the Bell Labs anechoic chamber, when she needed a rest during the frequent all-nighters she pulled to get her work out into the world.

But getting them into a fashion fit for a golden record, or more common earthbound vinyl, was not easy. The results however were worth the effort of working with a system that took up space in multiple rooms.

“Down a long hallway from the computer room ...was the analog room, Max Mathew’s lab, room 2D-562. That room was connected to the computer room by a group of trunk cables, each about 300 feet long, that carried the digital output of the computer to the analog equipment to control it and returned the analog sounds to the computer room so we could hear what we were doing in real time. The analog room contained 3 reel-to-reel 1/4” two-track tape recorders, a set of analog synthesizer modules including voltage-controllable lab oscillators (each about the size of a freestanding shoe box), and various oscillators and filters and voltage-controllable amplifiers that Max Mathews had built or acquired. There was also an anechoic sound booth, meant for recording, but we often took naps there during all-nighters. Max’s workbench would invariably have projects he was working on on it, a new audio filter, a 4-dimensional joystick, experimental circuits for his latest electric violin project, that kind of stuff.

Because of the distance between the 2 rooms that comprised the GROOVE digital-analog-hybrid system, it was never possible to have hands-on access to any analog synthesis equipment while running the computer and interacting with its input devices. The computer sent data for 14 control voltages down to the analog lab over 14 of the long trunk lines. After running it through 14 digital-to-analog converters (which we each somehow chose to calibrate differently), we would set up a patch in the analog room’s patch bay, then go back to the computer room and the software we wrote would send data down the cables to the analog room to be used in the analog patch. Many many long walks between those two rooms were typically part of the process of developing a new patch that integrated well with the controlling computer software we were writing.

So how was it possible to record a piece with those rooms so far apart? We were able to store the time functions we computed on an incredibly state-of-the-art washing-machine-sized disk drive that could hold up to a whopping 2,400,000 words of computer data, and to store even more data on a 75 ips computer tape drive. When ready to record, we could walk down and disconnect the sampling rate oscillator at the analog lab end, walk back and start the playback of the time functions in the computer room, then go back to the analog lab, get our reel-to-reel deck

physically patched in, threaded or rewound, put into record mode and started running. Then we'd reconnect the sampling rate oscillator, which would start the time functions actually playing back from the disk drive in the other room, and then the piece would be recorded onto audio tape."

Every piece on her album, *The Expanding Universe*, was recorded at Bell Labs. She computed in real time the envelopes for individual notes, how they were placed in the stereo field and their pitches. "Above the level of mere parameters of sound were more abstract variables, probability curves, number sequence generators, ordered arrays, specified period function generators, and other such musical parameters as were not, at the time, available to composers on any other means of making music in real time."

Computer musicians today who are used to working with programs like Reaktor, Pure Data, Max/MSP, Ableton, Supercollider and a slew of others take for granted the ability to manipulate the sound as it is being made, on the fly, and with a laptop. Back then it was state of the art to be able to do these things, but doing it required huge efforts, and took up a lot of space.

During the height of the progressive rock music era, making music with computers was also risky business on the level of personal politics. Computers weren't seen in a positive light. They were the tool of the Establishment, *man*. Used for calculating the path of nuclear missiles and storing your data in an Orwellian nightmare. Musicians who chose to work with technology were often despised at this time. There was an attitude that you were ceding your creative humanity to a cold dead machine. "Back then we were most commonly accused of attempting to completely dehumanize the arts," she said. This macho prog rock tenor haunted Laurie, despite her being an accomplished classical guitarist, and capable of shredding endless riffs on an electrified axe if she chose to.

She also took risks in her compositions inside the avant-garde circles she frequented. Her music is full of harmony when dissonance was all the rage. "It wasn't really considered cool to write tonal music," she said, speaking of the power structures at play in music school. All I know is that it's a good thing she listened to the music she had inside of her.

## VAMPIRE

Between 1974-79 Laurie got the idea that GROOVE could be used to create video art with just a little tweaking of the system. Unlike the hours of music released on her *Expanding Universe* album, her video work at Bell didn't get the documentation it deserved. This was in part due to the system's early demise. Hardware changes at the lab prevented many records and tracings from being left behind.

VAMPIRE however is still worth mentioning. It stands for Video And Music Program for Interactive Realtime Exploration/Experimentation. Laurie was able to turn GROOVE into a VAMPIRE with the help of computer graphics pioneer Ken Knowlton. Ken was also an artist and a researcher in the field of evolutionary algorithms, something else Laurie would later take up and apply to music. In the 60s Knowlton had created BEFLIX (Bell Flicks), a programming language for bitmap computer-produced movies. After Laurie got to know him they soon started

collaborating together. It was another avenue for her to pursue her ideas for making musical structures visible.

Laurie had reasoned that if computer logic and languages had made it possible to interact with sound in real time, then the GROOVE system should be powerful enough to handle the real time manipulation of graphics and imagery. She started working on this theory first using a program called RTV (Real Time Video) and a routine given to her by Ken. She wrote a drawing program, now similar to what would be called Paint. It became the basis on which VAMPIRE was built.

With Ken she worked out a routine for a palette of 64 definable bitmap textures. These could be used as brushes, alphabet letters, or other images. This was used inside of a box with 10 columns, each column having 12 buttons representing a bit that could be on or off. This is how she entered the visual patterns.

In addition to weaving strands of sound Laurie was also a hand weaver. Cards with small holes in them have often been used over the years as one approach to the art form. Card weaving is a way to create patterned woven bands, both beautiful and sturdy. Some may think the cards are a simple tool, but they can produce weavings of infinite design and complexity. Hand weaving cards are made out of cardboard or cardstock, with holes in them for the threads, very similar to the Hollerith punch cards used for programming computers. She struck upon the idea that she could create punch cards to enter batches of patterns via the card reader on the computer. After she consulted some of her weaving books she made a large deck of the cards to be able to shuffle and input into the system.

Laurie quickly found that she enjoyed playing the drawing parameters just like someone would play a musical instrument. Instead of changing pitch, duration, timbre she could change the size, color and texture of an image, as she drew it in real time with switches and knobs making it appear on the monitor. Her skills as a guitarist directly translated to this ability. One hand would do the drawing. Perhaps it was the same as did the strumming and plucking of the strings. The other hand would change the parameters of the image using a joystick, and the other tools, just as it might change chords on one of her lutes, banjos or mandolins.

She saw the objects on the screen as melodies, but it was just one line of music. She wanted more lines as counterpoint was her favorite musical form. She wanted to be able to weave multiple strands of images together. She wrote into the program another real-time device to interact with. This was a square box of 16 buttons for typical contrapuntal options as applied to images. This gave her a considerable expansion of options and variables to play with.

After all this work she eventually hit a wall of what she could achieve with VAMPIRE in terms of improvisation. "The capabilities available to me had gotten to be more than I could sensitively and intelligently control in real-time in one pass to anywhere near the limits of what I felt was their aesthetic potential." It had reached the point where she needed to think of composition.

Ken Knowlton's work with algorithms was beginning to rub off on her and she started to think of how "powerful evolutionary parameters in sonic composing, and the idea of organic or other visual growth processes algorithmically described and controlled with real-time interactive input, and of composing temporal structures that could be stored, replayed, edited, added to ('overdubbed' or 'multitracked'), refined, and realized in either audio or video output modalities, based on a single set of processes or composed functions, made an interface of the drawing system with GROOVE's compositional and function-oriented software an almost inevitable and irresistible path to take. It would be possible to compose a single set of functions of time that could be manifest in the human sensory world interchangeably as amplitudes, pitches, stereo sound placements, et cetera, or as image size, location, color, or texture (et cetera), or (conceivably, ultimately) in both sensory modalities at once."

Ever the night owl Laurie said of her work with the system, "Like any other vampire, this one consistently got most of its nourishment out of me in the middle of the night, especially just before dawn. It did so from 1974 through 1979, at which time its CORE was dismantled, which was the digital equivalent of having a stake driven through its art."

#### ECHOES OF THE BELL

The echoes of Laurie's time spent at Bell Laboratories can be found in the work she has done since then, even as she was devastated by the death of GROOVE and VAMPIRE.

She went on to write the Music Mouse software in 1986 for Macintosh, Amiga and Atari computers and also founded the New York University Computer Music Studio. She has continued to write about music for many journals and publications and has continued to compose. Laurie has applied her knowledge of algorithmic composition and information theory into her work.

Now the tools for making computer music can be owned by many people and used in their own home studios, but the echo of the Bell is still heard.

#### Sources:

[http://retiary.org/ls/expanding\\_universe/index.html](http://retiary.org/ls/expanding_universe/index.html)

<https://www.newyorker.com/culture/culture-desk/an-electronic-music-classic-reborn>

<https://pitchfork.com/features/article/9002-laurie-spiegel/>

<https://voyager.jpl.nasa.gov/golden-record/>

## SSTV Event Worth a Try?!!!!

(Thanks to Andrew and Cesi for this information!)

An MAI-75 SSTV event is set for Tues, Dec 1 starts at 12:30 UTC, ends at 18:25 UTC and Wed, Dec 2 starts at 11:50 UTC and ending at 18:25 UTC. SSTV signals at 145.800 MHz. Mode is expected to be PD 120. Details at our FB, Amateur Radio on the International Space Station (ARISS)--

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Andrew Stephens

[andrew.stephens@gmail.com](mailto:andrew.stephens@gmail.com)

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It's a typical MAI SSTV event where they shut down the transmitter as the ISS gets over the continental United States.

I see low passes for the Cincinnati Tri-State of 8° at 12:46-12:55 PM EST (i.e. 17:46-17:55 UTC) on December 1st and then 3° at 12:00-12:06 PM EST (i.e. 17:00-17:06 UTC) on December 2nd. Depending on your view of the horizon, you might be able to get the last transmission of each period.

Sadly, both are followed by excellent passes at 87° at 14:21-14:32 PM EST (i.e. 19:21-19:32 UTC) on the 1st and 47° at 13:34-13:45 PM EST (i.e. 18:34-18:45 UTC) on the 2nd. You may want to try for those, but they're really good at shutting down the transmissions when they say they are, unlike ARISS which is a little more loosey-goosey in that regard.

-- Cesi KD8OOB

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### *NEWSLETTER CHANGE*

For the next few months Rocky KE8DZS will be taking over the newsletter duties in my absence (Thanks, Rocky!!) while I am moving out into the country and getting my house set up. I will not have reliable internet for some time.

Look for more info on the club email reflector from Rocky including how to send content to him.

Robert K4PKM

# DX Spots and Special Events December 2020 de KA3MTT

Sun	Mon	Tue	Wed	Thu	Fri	Sat
TZ1CE - Mali thru 12-8 ----- 8Q7 - Maldives Thru 12-2	OX3LX - Greenland Thru 12-16  	1 Best DAM Christmas Dec 1-Dec 31, 0001Z-1159Z, KE0TGG, Edwards, MO. D.A.R.K. Dam Amateur Radio Klub, 28.440 14.240 7.240 3.840	2	3	4 Pearl Harbor Day Commemoration Dec 4-Dec 14, 1300Z-2200Z, W2W, Baltimore, MD. Amateur Radio Club of the National Electronics Museum, 14.241 14.041 7.241 7.041	5 Celebrating the 21st Amendment to the US Constitution Dec 5-Dec 6, 0500Z-0500Z, W8A, Kent, OH. Breweries On The Air. 14.240 7.240
6	7 Pearl Harbor Remembrance Day Dec 7, 1600Z-2130Z, W5KID, Baton Rouge, LA. Baton Rouge Amateur Radio Club, 14.250 14.035 7.225 7.035	8	9	10 Commemoration of the Birth of PSK31 Dec 10-Dec 20, 1700Z-1700Z, K9Z, Rochester, IL. Sangamon Valley Radio Club. 14.070 7.070	11 12 USS Midway Museum Ship Special Event: Dec 12, 1700Z-2359Z, N6GW, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250 14.070 (PSK31) D-STAR on various reflectors	
13	14	15 3D2AG - Rotuma Thru 1-15  	16	17 Bethlehem on the Air Dec 17-Dec 24, 1400Z-2300Z, KC5OUR, Belen, NM. Valencia County Amateur Radio Association. 21.283 14.283 7.183 3.883	18 120th Anniversary of the First Wireless Voice Transmission Dec 18-Dec 24, 0001Z-2359Z, W4F, Vienna, VA. Vienna Wireless Society. 14.250 7.185	19 130th birthday of Major Edwin H. Armstrong Dec 19-Dec 20, 1400Z-2200Z, W2XMN & W2XEA, Loxahatchee, FL. Major Edwin H. Armstrong Memorial Radio Club. 28.400 18.150 14.265 7.195
20	21	22	23	24	25 	26 Battle of Trenton Dec 26-Dec 31, 0000Z-2359Z, W2T, Trenton, NJ. Delaware Valley Radio Association. 14.250
27	28	29	30	31 		

**Thanks Nathan great info!!**

## SPACE WEATHER AND PROPAGATION NEWS

The world-famous Arecibo Observatory in Puerto Rico, known for helping scientists peer into deep space and listen for distant radio waves, is set to be decommissioned and demolished after engineers concluded that the facility's structure is at risk of a collapse. While teams will try to salvage some parts of the observatory, the decommissioning will bring an end to the popular 57-year-old telescope.

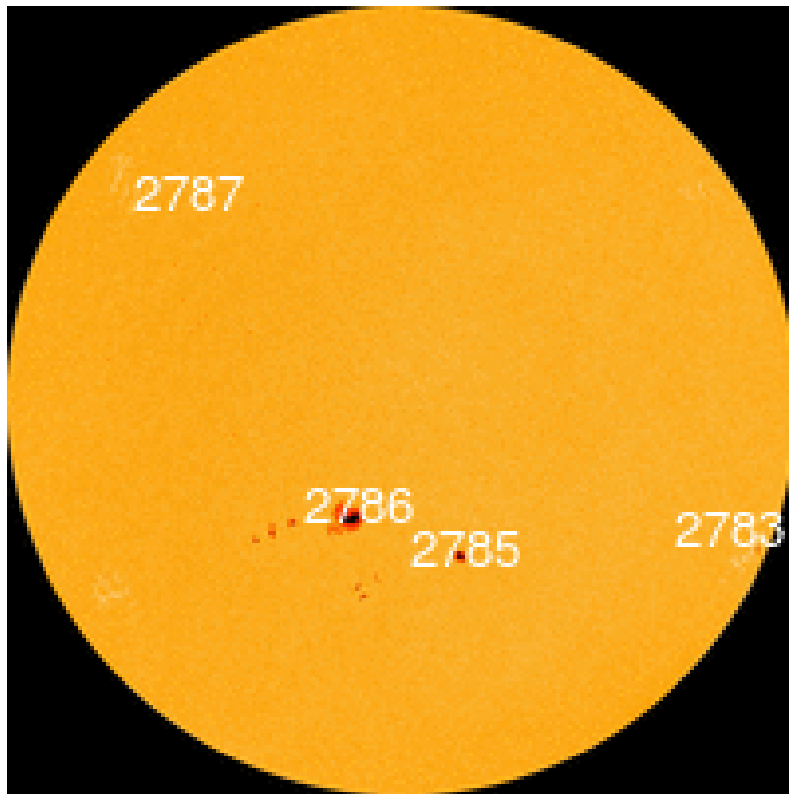


The decision comes after two major cables failed at the facility within the last few months, causing significant damage to the observatory. The National Science Foundation (NSF), which oversees Arecibo, assessed the impact of the cable breaks and found that the facility's other cables could also fail soon. If some of the remaining cables break, engineers fear that the 900-ton suspended platform above the facility could come crashing down on Arecibo's iconic 1,000-foot-wide dish. It's also possible that three surrounding towers, which stand at more than 300 feet tall, could topple over in any direction, potentially hitting the visitor's center or other important nearby buildings. With this imminent threat in mind, NSF determined that Arecibo cannot be repaired safely without risking human life.

(Thanks to Steve, AA8SW for this report)



## SUNSPOTS AS THEY APPEAR NOVEMBER 29<sup>TH</sup>!!



### *PROPOSED BYLAWS CHANGES/AMENDMENTS*

At a future meeting of the OH-KY-IN membership, we will be holding a vote to approve replacing both our existing Constitution and our existing Bylaws with the following proposed single document (henceforth to be known as our Bylaws).

We have learned that Ohio corporations should only have Articles of Incorporation and Bylaws, thus we are retiring our constitution to bring us in line with common practice and merging the two documents into a single document while incorporating some updates at the same time.

There are no changes being proposed to our Articles of Incorporation at this time. They remain as filed and previously amended with the state of Ohio. The current Constitution and Bylaws are available on the club website under "About OH-KY-IN" and then "Constitution and By-laws" if you wish to compare the old with the proposed.

**OH-KY-IN AMATEUR RADIO SOCIETY, INC. (the “Society”)  
CODE OF REGULATIONS (also referred to as BYLAWS)**

As amended at the \_\_\_\_\_, 2020 meeting of members.

**ARTICLE I. MEMBERSHIP**

A. Any person interested in Amateur Radio and who is in sympathy with the purposes of this Society may become a member upon completing an application for membership and payment of any applicable dues; however, an application for membership may be rejected, or the membership of any individual may be terminated, by the Board of Directors if in the opinion of the Board the prospective or continued membership of that individual is not in the best interests of the Society due to prior or continuing violation of F.C.C. rules, disruptive behavior, or other reasonable cause as determined by the Board, whose decisions shall be final.

B. The dues (which may vary depending on categories set by the Board) shall be determined by the Board of Directors from time to time, and shall be payable to the Treasurer during the month of January or at such other time as the Board of Directors may approve. Dues unpaid three months after the due date shall result in automatic termination of membership.

C. Any members qualifying for free membership under categories that may be established by the Board, shall have no voting rights.

**ARTICLE II. BOARD OF DIRECTORS**

A. Except where authority is otherwise designated under the law, the Articles of Incorporation or these Bylaws, authority over the affairs of this Society shall be exercised by or under the direction of the Board of Directors, which shall consist of three elected Directors serving staggered three-year terms, with one Director being elected each year; together with the four elected officers specified below and the immediate Past President of the Society who serve ex officio with vote. However, all members of the Board of Directors must be current members of the Society. The annual election of one Director shall be conducted along with the election of officers as provided below.

B. If any Board member dies, resigns, is removed, or becomes unable to serve, the vacancy for the unexpired term shall be filled by appointment of the remaining Board of Directors, even if the number remaining is less than otherwise required for a quorum.

C. Any Board member may be removed from office by majority vote of those members present at a regular or special meeting of the members, provided that notice of the proposed action has been given to the members as provided in Article V.D.

D. The Board shall schedule regular meetings to occur at least bi-monthly. The President, or in the absence of the President the Vice-President, may cancel a meeting if there is no business to conduct. Special meetings may be called by the President or by any three Board members with notice to the Board as provided in Article II.E. Four Board members shall form a quorum for any regular or special meeting of the Board of Directors, and the majority vote of Board members present shall be the action of the Board unless otherwise required by law or these Bylaws. Board members may not vote by proxy but may attend a meeting by telephone conference call, video call or other electronic means which allow all participating Board

members to hear each other. The Board may also act by unanimous written consent, and email or other electronic communications may be accepted for that purpose.

E. Notice of regular or special Board meetings (other than regularly-scheduled meetings as established at the beginning of each year) shall be sent to each Board member not less than five days prior to such meeting either (1) by first class mail to his or her residence or place of business as listed in the Society's records or (2) by electronic mail to his or her e-mail address, if one has been furnished for that purpose to the Society. Such notice shall set forth the time and place of such meeting and shall be valid if sent as stated in the preceding sentence, whether or not actually received. Business to be transacted at any regular meeting of the Board shall not be limited to those matters set forth in the notice of meeting. Notice of any meeting of the Board may be waived by the execution of a written waiver of such notice, either before or after the holding of such meeting by any Board member. The attendance of any Board member at any meeting without protest at the commencement of the meeting shall be deemed to be a waiver of notice of the meeting.

F. Board meetings are open to members, so the date and location of Board meetings (other than confidential meetings as provided below) must be distributed to the membership in advance of each meeting. However, the Board may conduct a confidential special meeting or executive session at a regular meeting to discuss sensitive topics such as actual or potential litigation, contract negotiations, and other legal or personnel matters.

G. Board members (including current and former officers serving ex-officio) shall not receive any compensation for their service but shall be entitled to reimbursement of authorized expenditures made on behalf of the Society. The Society may purchase directors liability insurance or other reasonable and customary coverages for the benefit of the Directors.

### **ARTICLE III. OFFICERS AND COMMITTEES**

A. The elective officers of this Society shall be a President, Vice President, Treasurer, and Secretary. These officers shall be elected annually at the December meeting by majority vote of the members present and voting. All of the elected officers must be Amateur Radio operators licensed by the Federal Communications Commission.

B. Elected officers of the Society shall serve one year terms (calendar year) and until their successors are elected and take office.

C. The President shall appoint a three-member Nominating Committee and the Nominating Committee shall submit, at the November meeting, names of proposed candidates for each of the four officers and one elected Director. Additional nominations may be made by members from the floor at this meeting.

D. Election of officers from the candidates identified at the November meeting (as the list of candidates may be supplemented by write-in vote at the December meeting) shall take place at the December meeting and shall be by majority vote of the members present.

E. The Board may appoint one or more Assistant Vice-Presidents, Assistant Secretaries or Assistant Treasurers or such other officers, having such duties and responsibilities as the Board

shall deem advisable. Such non-elected officers need not be Board members and shall serve at the pleasure of the Board.

F. The President may establish or discontinue committees from time to time in his or her discretion, except as specified in this subsection. A financial review committee of three members shall be appointed by the President at the January meeting each year. The records of deposits and expenditures from the Society's bank accounts shall be reviewed, and a report submitted at the March general membership meeting. A three-person property review committee shall be appointed by the President in January of even-numbered years to review the physical property owned by the Society and present a report no later than the November general membership meeting of the same year. It is recognized that the members of these committees are not professional auditors and they shall not be personally liable for any failure to detect any irregularity that may have occurred.

G. The President shall appoint chairpersons for all committees. Terms for the chairpersons of all committees shall be one year and shall run concurrently with the elected officers, but the President may remove and replace any such chairperson at any time.

#### **ARTICLE IV. DUTIES OF OFFICERS**

A. The President shall preside at all meetings of the Society, shall be a member ex-officio of all committees, and shall have all other powers and perform all other duties usually pertaining to the office. The President shall make or cause to be made reports concerning the activities of the Society to the members and to any other relevant recipients such as the American Radio Relay League.

B. The Vice President shall preside in the absence of the President and shall act as aide to the President.

C. The Secretary shall keep an accurate record of all meetings of the Society, and keep a roster of members. The Secretary shall conduct the official correspondence of the Society and be responsible for acquiring information, and maintaining records.

D. The Treasurer shall be custodian of all the funds of the Society, and shall be responsible for the proper deposit of such funds in an FDIC-insured bank or other investment authorized by the Board. The Treasurer shall keep an accurate itemized account of all receipts and expenditures and pay bills as authorized by the Board of Directors. The Treasurer shall render a report at each meeting of the Society. The Treasurer shall be responsible for filing all necessary reports to the State of Ohio and the United States Internal Revenue Service. Such reports shall be filed at such time as stipulated by the various agencies of the above so as not to incur any penalties for late filing.

E. Officers shall not receive any compensation for their service but shall be entitled to reimbursement of authorized expenditures made on behalf of the Society. The Society may purchase officers liability insurance or other reasonable and customary coverages for the benefit of the officers.

F. Expenditures of more than \$1,000 must be approved by a majority of the membership present and voting at a regular or special membership meeting prior to committing to the expenditure.

## **ARTICLE V. MEMBERSHIP MEETINGS**

A. Regular monthly or bi-monthly meetings of the membership shall be held from January through December. The date of regular meetings for the following calendar year shall be selected by the Board of Directors at its November meeting and published in the Society's official publication, but such scheduled meeting dates may be changed subsequently by the Board upon giving further notice to the members as provided in Article V.D. The meetings of this Society shall be open to interested persons, but the privilege of making motions, debating or voting shall be limited to dues-paid members of the Society, and the presiding officer may exclude any person who is disruptive or whose presence is otherwise determined to be not in the best interests of the Society. Business to be transacted at any regular meeting of the membership shall not be limited to those matters set forth in the notice of meeting, but shall not include amendment of these Bylaws or removal of any Board member unless the proposed actions were set forth in the notice. Members may vote by proxy if a proper written proxy is provided to the Secretary at the meeting.

B. A special membership meeting may be called by the President, or by the Vice President in the President's absence, at a reasonable time and place, with notice as provided in Article V.D. The notice must state the business to be conducted at the special meeting, and only that business may be conducted at that special meeting.

C. 20% of the Society's membership may call a special meeting of the membership at a reasonable time and place. The petition calling such a meeting shall be presented to the President, or to the Vice-President in the President's absence. The petition must state the business to be conducted at the special meeting, and only that business may be conducted at that special meeting. Upon receipt of any such proper petition, notice of the special meeting must be given by the Society to the membership as provided in Article V.D.

D. Notice of regular meetings of members is deemed given when published in the Society's official publication at least ten days prior to such meeting (and may be published up to a year in advance). Notice of a special meeting of members shall be deemed given if it is announced at a regular meeting of the members at least ten days prior to such special meeting, is published in the Society's official publication, or is sent by electronic mail to all members who have furnished such an address to the Society (through subscription to the Society's public email reflector or otherwise), in each case at least ten days prior to such special meeting. Such notice of a special meeting shall set forth the time and place of such meeting and shall be valid if given as stated in the preceding sentence, whether or not actually received. The attendance of any member at any meeting without protest at the commencement of the meeting shall be deemed to be a waiver of notice of the meeting.

E. The rules in ROBERT'S RULES OF ORDER, REVISED, shall govern the Society's meetings in all cases to which they are applicable unless inconsistent with other provisions of these Bylaws.

## **ARTICLE VI. OFFICIAL PUBLICATION**

A. The official publication of the Society will be called the Q-FIVER, unless a different name is approved by the Board of Directors. It shall be published monthly (with any exceptions approved by the Board of Directors) and distributed to all members in good standing who have furnished an electronic mail address for that purpose.

The Editor shall be appointed by the President. It is the responsibility of the Editor to maintain the editorial policy of the publication consistent with the policies and practices of the Society.

#### **ARTICLE VII. AMENDMENTS**

A. These Bylaws may be amended at any regular or special meeting by a two-thirds (2/3) vote of the members present and voting.

B. No Bylaw amendment shall be put to a vote at a membership meeting unless notice of the meeting has been given as provided in Article V.D together with the text of the proposed changes in these Bylaws.

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### **CONSIDER A DONATION TO OH-KY-IN**

*Did you know that OH-KY-IN ARS has been recognized by the Internal Revenue Service as a 501(c)(3) charitable organization?*

*That means anyone who itemizes on their Federal return can take a charitable deduction for a contribution to OH-KY-IN, as long as it qualifies under the general rules applicable to all other charitable contributions (for example, the contribution must be in cash, or other property which the organization has agreed to accept; the value of volunteered services is not deductible).*

*Membership dues, such as the cost of a life membership, may even be deductible; consult your own tax advisor for details if considering that. Posthumous donations by Will or by naming the organization as beneficiary of a financial account are also welcome.*

***SPECIAL OPPORTUNITY FOR 2020 ONLY*** -- under COVID legislation, taxpayers can deduct up to \$300 of charitable contributions even if they do not itemize! Please consider taking advantage of this one-time opportunity if you don't itemize.

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*OCTOBER 2020 ONLINE OFFICIAL MEETING*

# OH-KY-IN General Meeting Minutes

OH-KY-IN Amateur Radio Society  
Minutes of November 3rd, 2020 Member Meeting

The meeting was called to order at 7:32 PM by Ryan AC8UJ with the Pledge of Allegiance.

Guests: none

New Licenses or Upgrades: none

Attendance: 24

Health and Welfare: Bob WA6EZV reports someone in his building has tested positive for COVID-19.

Brag Sessions: none

Prior Meeting Minutes: Ed K8EAF motioned and Drew KE8JTL seconded accepting the October meeting minutes as published in the Q-Fiver; the vote passed.

Membership: Ryan reported that the last membership count was 165 members, a new record in recent memory!

Treasurer: Brian K4BRI reported there was no business, no transactions and the current balance remains the same from last month.

Silent Keys: Not present.

Tech Operations: Gary KB8MYC reported via email that the feed line replacement for the 67 repeater has been scheduled for the week after Thanksgiving.

Classes/Exams: Mike KD8ZLB reported that classes are still on hold.

Fox Hunts and ARDF: Bob WA6EZV reported that he had planned for a ARDF 2m hunt this upcoming weekend, but decided against it due to Hamilton County possibly going purple due to COVID-19.

Library: Not present

Nets: Bruce reported Tech Talk is this Wednesday night at 9:00 PM EST on the 67 repeater.

WinLink: Ed K8EAF reported they still meet every week and it's going strong with a few new participants recently joining.

Digital Group: Jerry W1SCR reported Digital Group meetings are still on hold.

Website: Rocky KE8DZS reported the website is still up and has been updated with the latest edition of the Q-Fiver.

QCEN: Pat KD8PAT reported the next meeting will be on Friday, November 19th at 7:00 PM ET via Zoom. Contact Michael Sien KD8SOH at michael.sien @ twc.com for an invite.

ARES: Not present

Brunch Bunch: Bruce N8BV reported still on hold.

Events: Cesi KD8OOB reported that the ARRL has an ongoing webinar series in their Learning Network. He recently attended Your First SOTA Activation. See <http://arrl.org/arrl-learning-network> for more details.

## Old Business

- Ryan reported that the by-laws updates are still on hold, waiting until we can all be together to vote.
- Ryan also reported that the club officer elections will still be held at the December club meeting via Zoom. Accommodations will be made for those who need assistance.
- There will be no Christmas party this year as there is no way for us all to get together due to the pandemic.

## New Business

- Ryan read the Nominating Committee's report for club elections next month. All positions are unopposed except for the director's seat. The report has the following positions and candidate:
  - President - Ryan Owens AC8UJ
  - Vice President - Cesi DiBenedetto KD8OOB
  - Secretary - George Gardei NV3QW
  - Treasurer - Brian DeYoung K4BRI
  - Director
    - Dennis McGrath KD8ILY
    - Andrew Cornuelle K8AKC

Elections will be held next month at the December meeting. And thanks to our Nominating Committee: Jerry Ship W1SCR, Cindy Shipp KB8WEI and Michael Sien KD8SOH.

- Tom W8WTD called to our attention the Ham Radio Bootcamp offered by the Nashua Area Radio Society, mentioned in the October 2020 QST (pages 58-60).



It is being offered online this Saturday, 11/7 from 10:00 AM to 6:00 PM and it's free. See <http://www.n1fd.org/ham-bootcamp/> for details.

- Tom also called to our attention the FCC's Notice of Proposed Rule Making to charge \$50 for new, upgrade, renewal or vanity amateur radio licenses. The ARRL is urging all members to comment to the FCC as this can curtail amateur radio as some people, in particular younger people, cannot afford the fee. The deadline for comments is November 16<sup>th</sup>. Please see the ARRL's weekly newsletter, Ohio Section Manager Scott Yonally N8SY's weekly newsletter or the ARRL's email on the topic for more details and how to submit comments.
- Ed K8EAF reported on a special event station for Veteran's Day on November 11<sup>th</sup> from 1:00 PM EST to 7:00 PM EST by the American Legion Amateur Radio Club - K9TAL. They will operate under the call sign N9V - November-Niner-Veteran. See K9TAL's QRZ.com entry for details.

Program: Annual Show-and-Tell. The following presented:

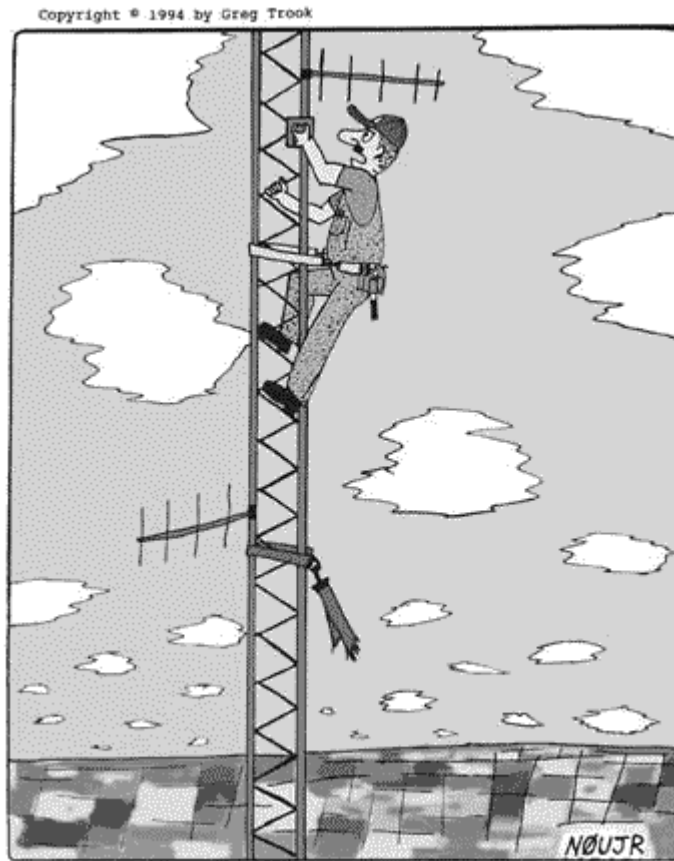
- Dan KF4AV - Kit builds
- Bob WA6EZV - Ham Radio Apps for the Raspberry Pi
- Brian K4BRI - Satellite Tracker
- Joe K8NW - 8-bit Computer
- Cesi KD8OOB - Battery Box Build
- Bob WA6EZV - 2m Go Box

Thanks to all who presented!

Ryan entertained a motion to adjourn from Drew KE8JTL with a second from Jerry W1SCR. The motion was accepted, and the meeting was adjourned at 9:00 PM ET.

Respectfully submitted, Cesi DiBenedetto KD8OOB, Vice President

### A Touch of Ham Humor!



"So Bob...why did your ex-wife give you a new climbing belt for Christmas?"

**Q-FIVER EDITOR: ROBERT GULLEY (K4PKM) E-MAIL: AK3Q@AK3Q.COM**

For questions/comments/suggestions, or article submissions, send me an E-mail!



OH-KY-IN Amateur Radio Society is one of the leading amateur radio organizations in the Cincinnati, Ohio area and has been for most of its 50-plus year history. We are a 501(c)(3) nonprofit organization dedicated to the advancement of all things radio. No matter the amateur radio interest, OH-KY-IN members are *involved*.