

Meeting Information

See page 2 for May meeting location change! Our monthly club meetings are typically held at the Village of Arlington Heights Town Hall (601 Elliott Avenue, Cincinnati, Ohio 45215). Enter using the exterior elevator to the second floor at the rear of the building. We also offer Zoom video conferencing as an option. Please join us at 7:30 PM Eastern time each first Tuesday of the month. The Zoom call will open at about 7:20 PM for you to join. The passcode is 146670

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

If you are unable to join online, you may join by telephone at (301) 715-8592 with a meeting code of 996 062 859 and passcode of 146670. Long distance rates will apply.

Brunch Bunch

by Bruce Vanselow, N8BV

The next Brunch Bunch will be held Saturday, May 10th, at 1pm. The location for May is Santorini Family Restaurant, in Cheviot. Santorini Restaurant is located at 3414 Harrison Avenue, 45211, very near North Bend Road and across from Everett Avenue.

“Santorini Family Restaurant serves breakfast, lunch & dinner all day long. Our menu consists of Greek/American dishes, including omelettes, pancakes, waffles, egg plates, gyros, pizza, double deckers, burgers, sandwiches, salads, jumbo Haddock & Souvlaki, just to name a few. Take a look at our menu for complete items. Service is fast & friendly and we treat you like family.”

Unfortunately, Santorini Restaurant does not have a website although they do have a Facebook page, but there is not much there. If you do a web search for Santorini Family Restaurant you will find that there are many websites that have information about them, some even include the menu.

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

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

73, Bruce N8BV



World Amateur Radio Day Event

Thank you to all the volunteers that made our World Amateur Radio Day event on Saturday, April 19th great! This was a joint event, co-hosted by Queen City Emergency Net (QCEN) at Cincinnati Museum Center. On the front lawn, we had VHF packet demonstrations, Radio Direction Finding and HF operations. In the history classroom, short videos highlighting our ISS contact from 2020 and an educational piece on Marconi were played for visitors. In the STEM lab, kids got to build (and take home!) a simple circuit to practice Morse code, see their voice on an oscilloscope and some other demonstrations. Special thanks to Tom Delaney W8WTD for spearheading this project and bringing it to life.

See photos on following pages.

Important Meeting Location News — Please Read

Remember that our May meeting is on an election day, meaning that our normal meeting location will be unavailable. We will return to the **Lockland Church of the Nazarene building for our May meeting**. The address is 335 W. Wyoming Ave., Cincinnati, Ohio 45215.



Photo by Andrew Hayden K8ARH

◆ Setting up for World Amateur Radio Day, two HF verticals are shown (left side) and a VHF/UHF (center, in front of windows). At the table, from left to right, are George N3VQW, Bob WA6EZV and Kevin W8SM.



Photo by Andrew Hayden K8ARH

◆ (Above) An ARDF display presented by Bob WA6EZV.



Photo by Andrew Hayden K8ARH

◆ From left to right, Bob WA6EZV, Kevin W8SM and George N3VQW.

Photo provided by Andrew Hayden K8ARH



◆ (Left) Andrew K8ARH and son doing some direction finding.

◆ (Right) One of our guests learning how current flows in a circuit.



Photo by Ryan Owens AC8UJ

Photo by Ryan Owens AC8UJ



◆ In the STEM lab, learning about circuits.



Photo by Ryan Owens AC8UJ

◆ (Left) Kitty W8TDA explaining Morse code to a guest.

Photo by Ryan Owens AC8UJ



◆ Stephen KE8TEY helping visitors build circuits.



Photo by Ryan Owens AC8UJ

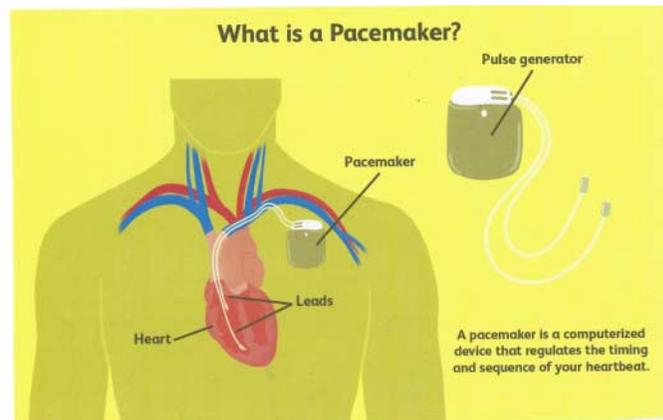
◆ The History Classroom crew, from left to right, Eric KE8BNZ, Tom W8WTD, Bob W8NFM and Michael KE8PLM

AMATEUR RADIO INTERFERENCE AND PACEMAKERS

by Dr. Horatio S. Falciglia, MD, KA8TVY

I am one of 12 million Americans that suffer from Atrial Fibrillation (AF). Atrial fib is an irregular heart rhythm, during which the atria beat chaotically out of sync with the ventricles. I've had it for 32 years and with proper treatment you can live a normal life, yet AF increases the risk of stroke by about 5 times. In my recent visit to my cardiologist he raised the possibility that in the future I may need a Pacemaker (PM). I was not happy, except for the word future. When that happens, having a new PM implanted in my chest, coming back from the hospital should I be worry when I turn on my Yaesu rig for a CW or FT8 QSO?

Let's see how a PM works. The response of muscle to electricity is known since Galvani in 1768 using a voltaic pile observed frog muscle contraction in response to an applied voltage. Pacemakers use this method to induce heartbeats in our bodies. The pacemaker's transmit mode is called "pacing," and the receive mode is called "sensing." In the pacing mode, the PM sends a signal to the heart. In the "sensing" mode, the PM receives a signal from the heart.



The pacing mode results in the contraction of the heart muscle. During the sensing (listening) mode, the PM receives a signal indicating whether a normal heartbeat has occurred (that means whether our heart has provided a properly timed "rhythmic" beat).

After the PM hears a normal beat and after a short "blanking" period, the PM is switched again to "listen." If no heartbeat is detected at the end of the set interval, the PM is switched to transmit mode, which sends a 0.5 MS, 5 V pulse to the heart which now contracts with a "new" heart beat. After this beat, the PM switches back to "sensing," the receive mode, which is the most vulnerable to RF interference.

During implantation surgery, the electrical connection is made between the PM and the heart. The PM leads are inserted through a small vein in the upper chest. It is done during one day of hospitalization.

Pacemakers requires lithium-iodide batteries with life spans between 4 and 7 years. Problems like failure of the "insulation" of the lead may occur which creates a short circuit that may drain the battery. In some patients, scar tissue develops at the lead tip increasing the circuit's resistance and the stimulation threshold. Pacemakers are susceptible to RF interference. As hams, we know that subjecting a wire to an electromagnetic field causes a current to flow in the wire. This is how our antennas works... The PM lead is such a wire, and it can act as an antenna, receiving unwanted RF signals that can interfere with normal operation. As Fred Weber AA2KI describes in the QST article,¹ "As long as the interfering signal exists and continues to blank the pacemaker's receiver, no pacing pulses will be sent to the heart muscle. Blackout and death can occur." However fortunately for us hams, pacemaker manufacturers apply design methods that, for the most part, shield the PM circuitry from even high EM field radiation.

A great deal of knowledge comes from AA2KI, thoracic surgeon, attorney at law Member New Jersey Bar, author of the QST August 1994 article "Pacemakers, Interference and Amateur Radio."

In his article, Fred described the following case: "Ten days after I implanted a PM in Charles Gilbert, W3YJM, a continuous 24 hour recording of his heart's activity was made as he went about his normal daily activities.

Three on air operating sessions in his radio shack were recorded. Charles fed 100 W to several antennas on several bands. The first session involved contacts on 20 meters using a half-wave dipole. Later, operation was switched to 40 meters, also using a dipole. Finally, Charles keyed up on 80 meters using an inverted V antenna. No discernible effect on the PM was noted.” According to Fred this experiment illustrate that hams with a PM can safely use their radio stations.

When I reviewed the chapter on Safety by the ARRL Handbook for Radio Communication 2014, Ninety First Edition,² a series of experiments to test the PM were conducted. In one series, the pacemaker was connected to a heart simulator, then the system was placed on the top of the cabinet of a 1 kW linear amplifier using SSB and CW operation. In another series, the system was placed in close proximity to several 1 to 5 W 2 meter band handheld transmitters. The PM and heart simulator were placed on the ground 9 meters below a three element Yagi HF antenna. No interference with the PM was observed in these experiments.

With cellular phones there was no significant interference when the phone was placed in the normal position over the ear. Clinically significant interference occurred in 1.7% of the cases and only when the phone was placed over the pacemaker. Interference was more common in dual chamber PM (25.3%) than in single chamber (6.8%) and in digital phones (24%) compared to analog phones (3%). Patients with PM should use analog telephones, carrying the phone on different side of the body in relation to the PM and the phone should be held at least 15 cm away from the PM and on the opposite ear. This article will not cover airport gates, medical MRI and many other sources of EMI and potential RF interference. Certainly the MRI with their powerful magnets are very dangerous. An MRI scanner produces EM fields that are many times greater than those found in even high-power ham stations. There are many other uncommon sources of electromagnetic interference (EMI). For example, antitheft devices are currently used almost everywhere. They may cause EMI with PM. Reversion to asynchronous “pacing” and rapid ventricular pacing owing to tracking high frequency signals sensed in the atrium are the two most common interactions. They are transient and return to normal function once the patient is out of the field.

As long as hams follow accepted safety practices, it is safe to operate their radio stations. We should reinforce the concept of proper “grounding” of their rigs and antenna to minimize EM effects.

One last precaution involves the location of the antenna. Most hams use external antennas that limit the exposure to RF energy. Everyone with PM should do that. The increasing use of indoor loops and attic wires, however, brings RF close to our bodies. Hams with pacemakers should avoid these type of antennas. As I read the chapter on Safety from the ARRL Handbook, I feel relieved that I should be able to continue the practice of this beautiful “Art of Communication.”

References:

1. Pacemakers, Interference and Amateur Radio. QST August 1994, pp 34-36, AA2KI, Dr Fred Weber.
2. The ARRL Handbook For Radio Communication. 2014, Chapter 28 Safety. Ninety One Edition.

Dr. Horatio S. Falciglia, MD, KA8TVY is Professor Emeritus at UC College of Medicine, Department of Pediatrics

From the Club Historian's Archives...

Hams Ride With Police; Interstate Kept Safe

BY JIM WEAVER
K8JE-WAWEW

Radio Hams of Southeastern Indiana's Laughery Valley Amateur Radio Club and the Greater Queen City's OH-KY-IN VHF Society helped Indiana State Police keep a 60-mile stretch of Interstate 74 safe for motorists the nights of Oct. 30 and 31. With Jack Demaree, WB9OTX, of Versailles riding with a state trooper on his patrol of the expressway, 30 additional Hams in their amateur radio-equipped autos maintained watch on I-74 overpasses.

Thanks to the two-night vigil, there was not a single incident of rocks or other objects being thrown from these overpasses onto vehicles on the roadway below.

Solid communications coverage between the police cruiser and each of the other radio Hams throughout the operations area was over the Ham two meter (146 MHz) band. The 146.805 MHz/147.205 MHz repeater in Osgood was used.

Ed Billis, WB9TFD, of Sunman headed the communications effort.

"Amateur radio is the best system of them all," the State Police told the Hams at the conclusion of the operation. More Ham-State Police co-operative activities were said to be in the offing.

OH-KY-IN VHF Society claims the world record for the greatest distance covered by an autopatch telephone call. Jim Sorrell, AC8H, of Mason, Ohio, made the call from Japan to Cincinnati's 146.07 MHz/146.67 MHz repeater Wednesday, January 10.

On business in Nagoya, Japan, Sorrell made the call at 2:15 p.m. EST. Repeater trustee Jack Foster, K8DYD, answered it. For 10 minutes, Jim spoke through his telephone in Japan and the amateur radio repeater on WLW television's new antenna tower to friends throughout the Tri-State.

This telephone-to-ham radio call covered 12,000 miles and passed through repeaters in two commercial communications satellites before being relayed by telephone into the OH-KY-IN repeater and onto the amateur radiowaves.

CONGRATULATIONS: To Lois Yarbrough, W8JAJ, for receiving an "excellent" award for the Q-Flyer monthly newsletter she edits. The award was made by the national Amateur Radio News Service in its annual publications award competition.

The Q-Flyer is the official publication of the local OH-KY-IN VHF Amateur Radio Society.

To John Hugentober, K8FU, who copped first place among all Ohio entrants in the annual Washington State QSO (on-the-air contact) Party contest.

FIRST BEGINNING Ham radio course of the new year will begin the first week of January in the Price Hill area. The course will lead to the novice class amateur license. Telephone Ed Sulek, WD8NNE, at 922-3968 or Carol Hugentober, K8DHK, at 661-5323 for information.

JOHN LINDHOLM, W1XX, from American Radio Relay League (ARRL) headquarters in Newington, Conn., will be the featured speaker at a special meeting on April 1 (no foolin'). John is communications manager of the League. Officers of Tristate amateur groups, and their spouses or guests are invited to have dinner at 6 p.m. with John. An open meeting will follow.

The evening is being sponsored by the OH-KY-IN VHF Amateur Radio Society. It will be held at the Gay 90's restaurant on Harrison Avenue. All radio amateurs, of course, are encouraged to attend this meeting which promises to be entertaining as well as informative.

OH-KY-IN directors for 1979 are Charles BO, Delhi, Gerald Geisel, III and James Sorrell, AC8H.

TIME FOR summer school! The OH-KY-IN VHF Radio Society will hold summer classes leading to the amateur novice (beginning) class, and the technician (second level) and general (third level) amateur licenses. These are the only summer Ham classes announced.

Both the novice and the technician-general courses will meet at 7 p.m. on Thursday evenings beginning June 5. The technician-general classes will last for 10 weeks. Novice classes will continue longer if this is needed to accommodate students.

Classes will meet in the Price Hill Baptist Church, 4431 Glenway Ave. Telephone Carol Hugentober, K8DHK, 661-5323, or Ed Sulek, WD8NNE, 922-3968, for additional information or to register.

Old-time power

OHKYIN, an amateur radio organization in the tri-state area, is using 44-year-old batteries as an emergency power backup system.

The large industrial batteries originally were used at WLW Radio's Mason, Ohio, facility when it opened in 1934. The batteries later were given to the Gray Museum of Wireless History, which recently gave them to OHKYIN.

The museum, formerly in Mason, now is at the Crosley Telecommunications Center at Central Parkway and Ezzard Charles Drive.

The batteries, in large glass containers about 20 inches tall, still are in good working order. Six of them are used in combination to provide 12 volts of power.

JOHN SCHLUETER, WBWYH, 2989 Commerce Ln., Cincinnati, invites all radio amateurs who have held Federal Communications Commission (FCC) ham licenses for at least 25 years to join the Quarter Century Wireless Association (QCWA). Additional information and membership application forms may be obtained from John (president of the Cincinnati-Dayton Chapter of the QCWA) by writing to him (ZIP 45239) or telephoning him at 365-6533.

The OH-KY-IN VHF Society continues to sponsor Tech Talk on its 146.07 MHz/146.67 MHz repeater. The Wednesday evening sessions begin at 8 p.m. Area amateurs are invited to bring their ham-related questions to Tech Talk, or merely to listen and learn from the experts as they discuss problems brought to them.

Code practice also continues to be transmitted on this repeater on Mondays at 9 p.m. Each session begins at 8 wpm and advances to 20 wpm. John Hugentober, K8FU, is operator for the session.

To finish today's OH-KY-IN notes, the club selected officers for 1978. These are Howard W. W8SQOH, Delhi, president; Frank Hagerman, WB8RSC, Western Hills, vice president; in Jones, W8SBUH, Saylor Park, recording secretary; Carol Hugentober, K8DHK, Cheviot, T. Cheviot, treasurer.

The club newsletter, Q-FLYER, is now edited by Lois Yarbrough, W8JAJ, Delhi, with assistance from technical and feature writer Robert Elsaesser, W8PFT, Cheviot, and printer Robert Sulek, WD8NNE, Delhi.

OH-KY-IN directors for 1979 are Charles BO, Delhi, Gerald Geisel, III and James Sorrell, AC8H.

April, 2025 Meeting Minutes

OH-KY-IN Amateur Radio Society
Minutes of April 1st, 2025, Member Meeting

The meeting was called to order at 7:30 PM by Ryan AC8UJ with the Pledge of Allegiance. The club meeting was held in person and via Zoom.

Guests: Doug Strand, Nick KF8DEQ

New Licenses or Upgrades: Alan KE8ZRL from Tech to General

Attendance: 26 in person; 25 via Zoom

Health and Welfare: Rob Rodgers K8CO Broke his femur and is currently in rehab at Christ Hospital.

Awards & Achievements: N/A

Prior Meeting Minutes: Bruce N8BV made the motion, and Drew KE8JTL seconded accepting the meeting minutes for March 2025 as corrected in the Q-Fiver. Motion passed.

Membership: 109 have renewed for the year out of 157 from last year. Please renew at <http://renew.ohkyin.org/>.

Treasurer: Kevin W8SM, Treasurer's report read and filed for audit.

Silent Key: Neil B. N8QFC active in ARPS and GCARA

Tech Committee: Winlink gateway is down. Ryan will reset it.

Classes and Exams: Classes are in progress.

Fox Hunts: Bob WA6EZV. N/A

Library: Contact Justin KE8COY if you would like to check out items from the library.

Nets: SSTV, the net will continue the 1st and 3rd Mondays at 9:00pm on the 146.670 repeater

Website: N/A

QCEN: Meetings are held the 2nd Thursday of the month at 7:30PM.

ARES: Meetings are held the 3rd Tuesday of the month at the ROC at 7PM.

Brunch Bunch: 4/12 1PM at Sugar N Spice on Reading Rd

Events:

- ARRL World Radio Day 4/19
- Flying Pig Weekend 5/2-5/4
- Field Day June 28th & June 29th
- FCC Exams 4/12 at the Red Cross Building at 10AM

Old Business:

- Bylaws update: Ryan AC8UJ — Quorum was achieved, and the Bylaws update was passed.
- Cesi KD8OOB: Satellite station grant update. No updates.

- Ryan AC8UJ: Remote participation in split-the-pot. N/A.

New Business:

- N/A

Program: Eric KE8BNZ - Tour of his lab

Split the Pot: \$51.00 Split will be \$26.00. Lloyd W8OPP

Motion to adjourn made by Drew KE8JTL, seconded by Cesi KD8OOB. Meeting adjourned at 9:03PM

Respectfully submitted, Steve Crase N8PUP, Secretary

OH-KY-IN SSTV Net Samples

Here's a sample of the images you could be receiving if you tuned into the SSTV net on the 146.670 repeater. The net meets every month's **first and third Monday** night at 9:00 PM Eastern time. No special equipment is required. If you have a 2 meter receiver and a computer or smart phone, you can receive images. If you don't know how, check in to the weekly Tech Talk net Wednesdays at 9:00 PM Eastern and ask for help. Hope to hear you all on the nets!



Join the SSTV Net!

The SSTV net has attendance has been declining a bit recently. If you find SSTV interesting, we would love to have you join us. Don't know how to do SSTV? We can coach you on that!

Please check us out, the first and third Monday of the month at 9:00 PM on the 146.67 repeater.

New Bylaws Adopted

As of our April, 2025 club meeting, we achieved quorum and by unanimous vote of those present adopted an updated set of bylaws for the club. These bylaws modernize club operation and bring us more in line with how current non-profit organizations function. Thank you to all the members that made a special effort to attend so we could finally make this happen.

Bylaws as Adopted on April 1, 2025

OH-KY-IN AMATEUR RADIO SOCIETY, INC. (the "Society")

CODE OF REGULATIONS (also referred to as BYLAWS)

Adopted April 1, 2025

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 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 Director dies, resigns, is removed, or becomes unable to serve, the vacancy for the unexpired term shall be filled by the remaining Directors, even if the number remaining is less than otherwise required for a quorum.

C. Any Director 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 Directors with notice to the Board as provided in Article II.E. Four Directors shall form a quorum for any regular or special meeting of the Board of Directors, and the majority vote of Directors present shall be the action of the Board unless otherwise required by law or these Bylaws. Directors may not vote by proxy but may attend a meeting by telephone conference call, video call or other electronic means which allow all participating Directors 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 Director 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 Director. The attendance of any Director 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. Directors (including current 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 and officers 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 majority 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 Directors 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 directors and officers liability insurance or other reasonable and customary coverages for the benefit of the officers.

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 Director 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.

— End of Bylaws —

Support OH-KY-IN by Shopping

Of course we appreciate your membership dues and all of the ways you give time and energy to the club, but did you know you can also support OH-KY-IN just by doing things you already do?

Kroger Community Rewards is a great source of income for the club and requires no effort! Visit <http://www.krogercommunityrewards.com/> and set us as your charity. We are organization **QY352**.

Contact Bruce N8BV for details about the program.

Committee Chairs & Appointments

Technical OperationsGary Coffey KB8MYC
ARPSA Representative(open)
Volunteer ExaminersGary Coffey KB8MYC
QCEN RepresentativeTom Delaney W8WTD
MembershipNathan Ciuffo KA3MTT
FundraisingBruce Vanselow N8BV
EducationTom Delaney W8WTD
Repeater Control Ops Mgr. . .Bruce Vanselow N8BV
PIOSteve Crase N8PUP
SSTV Net MgrSteve Crase N8PUP
LibrarianJustin Moore KE8COY
Q-Fiver EditorRyan Owens AC8UJ (interim)
ARRL Field DayEric Neiheisel N8YC
HistorianDale Vanselow KC8HQS
Fox HuntersDick Arnett WB4SUV
Equipment Manager(open)
WebmasterRocky McGrath KE8DZS
Silent KeyBryan Hoffman KC8EGV
Tech Talk Net ManagerBruce Vanselow N8BV
K8SCH Paper QSL MgrBob Frey WA6EZV
K8SCH Elec. QSL Mgr . .Rick Haltermon KD4PYR
TV/RFIDick Arnett WB8SUV

Newsletter Submissions

Please send any submissions you would like included in upcoming newsletters to Ryan, AC8UJ. All content is welcome! You can e-mail content to him at his callsign at arrl.net. Please send all content either as plain e-mail text (attach any photos or graphics) or as a PDF file. Depending on the spacing needs of the particular issue, Ryan may reformat your content and adjust the layout. Because of this, if you send a PDF, please also include any graphics used as attachments.

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.

OH-KY-IN Officers

President Ryan Owens AC8UJ
Vice President Cesi DiBenedetto KD8OOB
Secretary Steve Crase N8PUP
Treasurer Kevin Tribbe W8SM
Director Drew MacDonald KE8JTL
Director Bruce Vanselow N8BV
Director Mike Niehaus KD8ZLB
Trustee Bruce Vanselow N8BV

Calendar of Upcoming Events

Monday	May 5 @ 9:00 PM	SSTV Net (146.670 Repeater)
Tuesday	May 6 @ 7:30 PM	Club Meeting (Zoom & Lockland Church of the Nazarene)
Wednesday	May 7 @ 9:00 PM	Tech Talk Net (146.670 Repeater)
Tuesday	May 13 @ 7:30 PM	Board of Directors Meeting (same Zoom info as club meeting)
Wednesday	May 14 @ 9:00 PM	Tech Talk Net (146.670 Repeater)
Monday	May 19 @ 9:00 PM	SSTV Net (146.670 Repeater)
Wednesday	May 21 @ 9:00 PM	Tech Talk Net (146.670 Repeater)
Wednesday	May 28 @ 9:00 PM	Tech Talk Net (146.670 Repeater)
Monday	June 2 @ 9:00 PM	SSTV Net (146.670 Repeater)
Tuesday	June 3 @ 7:30 PM	Club Meeting (Zoom & Arlington Heights Town Hall)
Wednesday	June 4 @ 9:00 PM	Tech Talk Net (146.670 Repeater)
Tuesday	June 10 @ 7:30 PM	Board of Directors Meeting (same Zoom info as club meeting)
Wednesday	June 11 @ 9:00 PM	Tech Talk Net (146.670 Repeater)
Monday	June 16 @ 9:00 PM	SSTV Net (146.670 Repeater)

Life Members

John Phelps	N8JTP
Kenneth E Wolf	N8WYC
John W Hughes	AI4DA
Karl R Kaucher	KK4KRK
Fred Schneider	K9OHE
Dan Curtin	KF4AV
Steve Weeks	AA8SW
Kelly Hoffman	K8KAH
Mick Cook	KD8IOQ
Steve Crase	N8PUP
Joe Felix	K8NW

OH-KY-IN Repeaters

146.670 (-) Clifton

146.625 (-) Edgewood (Fusion & analog WIRES-X)

146.925 (-) Delhi (Fusion & digital WIRES-X)

All repeaters require a 123.0 Hz CTCSS (PL) tone.