



W3UU NEWSLETTER

— MARCH 2022 —

Club Officers:

PRESIDENT:

Robert Saber, K3RTS
k3rts@w3uu.org

VICE PRESIDENT:

SK Emily Ulrich, K3ESU
(see page 5)

SECRETARY:

Frank Aponte, KC3NRK
kc3nrk@frankaponte.com

TREASURER:

David Dormer, KC3MG
DDDormer@gmail.com

LICENSE TRUSTEE:

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DDDormer@gmail.com

EQUIPMENT TRUSTEE:

Terry Snyder, WB3BKN
WB3BKN@djterry.com

Committees:

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webmaster@w3uu.org

EMCOMM:

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MEMBERSHIP:

Tim Lehman, W4NKC
w4nkc.hv@gmail.com

NEWSLETTER EDITOR:

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HRAC.Newsletter@gmail.com

ELMER TIME COORDINATOR:

Joe Hannon, W3JPH
johannon.jh@gmail.com

HAMFESTS & REPEATER:

Terry Snyder, WB3BKN
WB3BKN@djterry.com

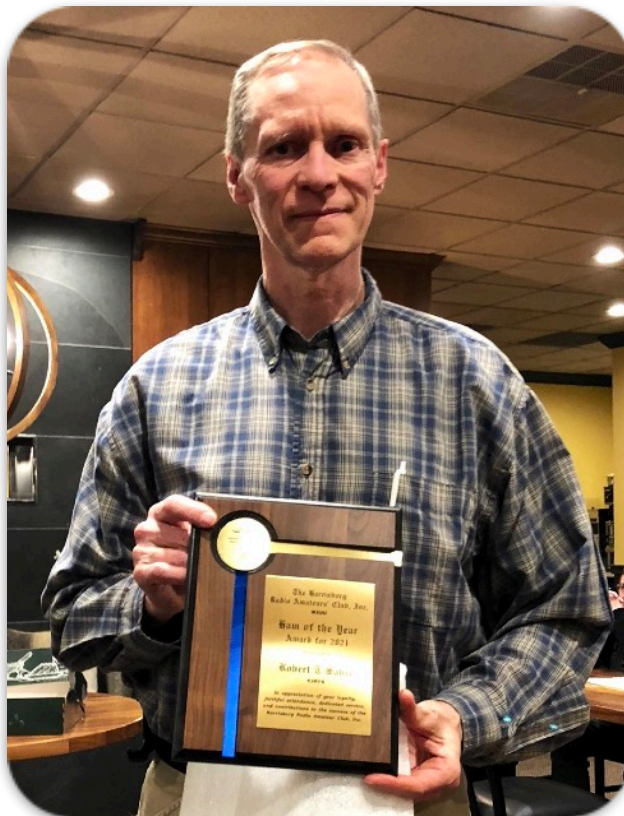
NET OPERATIONS:

David Dormer, KC3MG
DDDormer@gmail.com

VE TEAM LEADER:

Steven Gobat, KA3PDQ
ka3pdq@juno.com

HRAC HAMFEAST: HAM OF THE YEAR



— Robert Saber, K3RTS —

As presenter **Terry, WB3BKN**, president emeritus, voiced: "He took on a lot of responsibility as Vice President and acted in that role as President." Congratulations Bob! (Also see pages 5, 8) —Photo, K3URT

CQ: NEXT MEETING is **Wednesday, 9 March**, beginning with "Elmer Time" at 6:30 p.m., followed by the business meeting at 7 p.m., at the Harrisburg Vietnam Veterans of America, 8000 Derry St., Harrisburg. All are welcome!

For "Elmer Time," **Dave, KC3MG**, will be presenting part 2 of "Feedlines for 160 meter antenna." Time permitting, he will also demonstrate how to make an open transmission line. ■



Photo, WB3BKN



The Harrisburg Radio Amateurs Club Inc., [HRAC] formed 1 July 1946, as an association of individuals commonly interested in amateur radio, based in Harrisburg, Pennsylvania. It is an ARRL affiliate club.

At the end of World War II, many veterans returned to the Harrisburg area trained and used radio communications in the military. It soon became a common factor among local hobby enthusiasts. Fifty-eight charter members developed the original constitution and bylaws for the club. In 1960, HRAC became a non-profit corporation in Pennsylvania.

The club continues to promote amateur radio in the area in many ways. HRAC is involved with young people by helping with scouting's JOTA activities and promoting amateur radio with school clubs and organizations.

Since 1949, members have provided communications for the American Red Cross in Harrisburg for Dauphin County and Pennsylvania Emergency Management. In addition, we conduct periodic training sessions for emergency responders.

HRAC has three hamfests throughout the year: July's **Firecracker Hamfest** /Eastern Pa Section Convention is always the Saturday before the first Sunday in July. During the convention, you may hear special event station W3UU from the hamfest tailgating area. We set up and operate W3UU to demonstrate amateur radio and invite operators to join in and make contacts. Second: **Oktoberfest**. Third: the well attended **WinterFest** in January is an indoor tailgate fest. ■

HRAC CLUB CALENDAR 2022:

March:9th, club meeting.

April:13th, club meeting.
.....16th, license testing (see below).

May:11th, club meeting.

June:8th, club meeting.
.....18th, license testing (see below).
.....25-26, Field Day.

Please consider stepping up to make a presentation during one of the meetings' "Elmer Time." Everyone has expertise in something and can bring something to the table. Do more than consider, DO it. ■

— Club station W3UU —

Repeater Frequency:
146.760 MHz, minus .600
MHz offset

Repeater CTCSS Tone:
100.0 Hz (Encode/Decode)

Weekly Net: Wednesdays
at 1900L (except meeting
nights)

Website: W3UU.org

FaceBook: www.facebook.com/Harrisburg-Radio-Amateurs-Club-208171495915056/

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Please NOTE: underlined words in the newsletter are "hot" linked to emails and external websites. HRAC is not responsible for their content or performance. URL's were verified a few days prior to publication. ■

LICENSE TESTING:

Affiliated with the Laurel Volunteer Examiners (VE), HRAC conducts testing in February, **April**, June, August, October, December, and other announced times. Sessions begin at 0900L at the announced location. Steven, KA3PDQ, is the Team Leader.

We require:

- pre-registration for exams to ensure that we have the level of staffing necessary to conduct an exam.
- your FCC Federal Registration Number (FRN)
- a valid email address **in advance** of registering for an upcoming exam.

Registration form and information is at the club's website: www.w3uu.org/license-exams/. (Registrations can be made online up to the Friday before test date.) ■

The next test session is scheduled for Saturday, 16 APRIL 2022, at the Harrisburg Vietnam Veterans of America, 8000 Derry St., Harrisburg, PA promptly beginning at 0900L.

W3UU The Harrisburg Radio Amateurs Club, Inc.**President – Bob, K3RTS, Vice-President – Emily, K3ESU****Meeting Minutes 9 February 2022**

The February 9, 2022, meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1941 HRS by the President, Robert (K3RTS).

The January meeting of the HRAC was held at the Peachtree Restaurant and Lounge, 251 N Progress Ave, Harrisburg, PA 17109. Due to the continuing COVID-19 pandemic, those in attendance took the recommended precautions.

The members introduced themselves.

Secretary's Report – The minutes of the January 12, 2022, were published in the newsletter. Robert (K3RTS) mentioned that Dave's call sign was incorrect and should have been KC3MG, not KC3MD. Charles (KW3W) made a motion to accept the minutes with correction to Dave's call sign. Kurt (K3URT) seconded; the motion passed.

Treasurer's Report – Dave (KC3MG) sent Report to board, but not reviewed at the meeting.

License Trustee Report – No changes from last month.

Equipment Trustee Report – No report this month.

Repeater Committee – No report this month.

Laurel VE Committee – Tim (W4NKC) reported that the next exam session is scheduled for February 19, 2022, at 8000 Derry St at 900 HRS (9:00AM). Testing is free, but preregistration is required.

Membership Committee – No report this month.

Newsletter Committee – Kurt (K3URT) reported to the group that the submission deadline for the February newsletter is March 2, 2022. Please send articles to HRAC.Newsletter@gmail.com

Web Page Committee – No report this month.

Emergency Communications – No report this month.

Elmer Time – Dave (KC3MG) is slated to present Part 2 of 160-meter antenna systems before the March 2022 meeting.

DXCC Committee – No report this month.

Hamfest Committee – The next Hamfest will be the Firecracker Hamfest on July 2, 2022. The Firecracker Hamfest will also be the PA State ARRL Convention.

Field Day – Field Day will be held on June 25-26, 2022.

Old Business – Nothing to Report.

New Business – Nothing to Report.

For the Good of the Club – Nothing to Report.

Hamfeast Highlights – Dinner and fellowship was great. Dessert was Chocolate Cake and Peanut Butter Pie. Two rounds of doors prizes ensured that everyone went home not only with full bellies, but full pockets. Most importantly, Robert (K3RTS) was named HAM of the year.

Adjournment – With no further business, the meeting was adjourned at 1945 HRS. Motion to adjourn John (KC3WEB), seconded by Chuck (KA1YSR).

Respectfully Submitted,
Frank Aponte, KC3NRK

The Meeting Minutes is a document of HRAC, Inc. Therefore, all content is unabridged from the original. Corrections to the Minutes are made at the next club meeting by vote of the membership by approval/disapproval. — Ed.

Webmaster Report – February 2022 Club Meeting

Dear HRAC Club Members,

Since January 2022 meeting, we started to examine and plan action on the projects and tasks that backlogged during our unfortunate bout with COVID. In addition to keeping the website up and running under normal operations, we continued to add content for club meetings and nets by selecting key announcements to be posted on a weekly, sometimes daily basis from trusted and select resources (i.e., ARRL, QRZ and Amateur Radio Newsline). Also turned over several key pages, including License Exam and dates have come and gone.

Pushing through towards the end of Q1 2022, we will be continuing normal operations as mentioned above while addressing key backlogged projects from 2021 including SSL security certificate and Photo Album, followed closely by continued announcement updates and Elmer Time resources. We have obtained a wildcard SSL certificate through Let's Encrypt. This is a new foundation with a mission to provide high quality, high secure certificates for free (sponsored by the likes of Cisco, Amazon, and Mozilla to name a few). We are in the process of identifying the best SSL plug-in that will match our website and making deployment within the month of March. Note, as we go through the process of securing the website, some pages might experience minimal downtime as we progress, but rest assured it is our mission to keep all downtime to a minimum except for known maintenance periods. Once the SSL certificate project is done, we'll be identifying and applying a plug-in that is appropriate for our Photo Album. That will be in the March early April period.

As always, the rest will happen in time. If you are interested in submitting content or assisting with the maintenance of content, please contact kd3mad@w3uu.org.

As always, please continue to provide feedback and suggestions for information and content. This is the club's website, so membership is highly encouraged to share feedback with Michael KD3MAD at kd3mad@w3uu.org.

We continue to be an active hub for VE Testing. This month's **License Exam Request Forms:** **3**

Website Statistics for the Month January 12, 2022 – February 8, 2022

Contact Us Submissions	Successful Outreach	Notes
2	2	Two (2) potential Technician licensees contacted HRAC re: learning materials and how to join our club. Several exchange were made with both individuals resulting in one (1) sign up for exam to date.

Number of Impressions	Number of Click-Throughs	Average Rank per Search
2,003 (down 62% from last month)	73 (3.6% Click Rate)	32.7

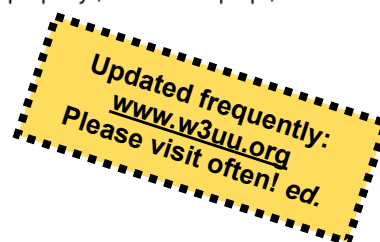
Top 5 Performing Pages by Search	Number of Impressions	Number of Click-Throughs
Home Page	310	34
Hamfest Landing Page	254	15
Dauphin County ARES	24	4
Swap and Shop	181	3
Newsletters	28	3

Top 5 Performing Searches	Number of Impressions	Number of Click-Throughs
w3uu	22	4
hamfest pa	58	2
harrisburg hamfest	4	2
ham radio swap and shop	44	1
emcomm	9	1

Items are ranked in order of Click-Throughs. Other notable impressions from searches include: "pa qso party"; "ham radio prep"; "amateur full swap"; and "hamfest"

This report is hereby respectfully submitted.

Michael A. Drawbaugh (KD3MAD)
Webmaster, Harrisburg Radio Amateurs' Club



CONTESTING

• **Contest Calendar March 2022 (over 100):**

www.contestcalendar.com/contestcal.html

Most popular March contests:

- ✓ **ARRL International DX Contest** (5-6th); SSB; here's your chance to grab some DX!
- ✓ **Stew Perry Topband Challenge**, (12-13th).
- **One-By-One special events (30):**
www.1x1callsigns.org
- **State QSO Parties (4):**
www.contestcalendar.com/stateparties.html
- **Contester Scores:**
www.3830scores.com/index.php
- **ARRL Contest Calendar:**
www.arrl.org/contest-calendar
- **POTA:** parksontheair.com

NEW The ARRL World Wide Digital Contest will debut at 1800 UTC on June 4, ending 2359 the 6th. **All non-RTTY modes are permitted.**

Only two power categories: 0-5 watts and 6-100 watts PEP output. arrl.org/news/arrl-announces-new-world-wide-digital-contest ■

BUSINESS NEWS

• Bob Heil, K9EID, announced he and Sarah transferred ownership of **HEIL SOUND** over to new management after 60 years. The Illinois-based manufacturer of professional microphones is a familiar name to amateur radio and Grammy-winning artists.

heilhamradio.com

• **UNIVERSAL RADIO, INC.** closed the physical store in November 2020 and continues to eliminate inventory with online sales during the foreseeable future. www.universal-radio.com/RetireNotice.html

• In February, **HAM RADIO OUTLET** continues to expand with a new outlet in Winter Springs, Florida. Aside from online presence www.hamradio.com HRO now has 14 storefronts around the USA.

• **CHEAP QSL CARDS** is closed for new orders and accepting only exact previous orders after 29 October 2021. cheapqsls.com ■

HRAC CLUB & MEMBER NEWS

BREAKING NEWS

HRAC Vice-President, Emily Sue Ulrich, K3ESU, SK.

Harrisburg. Emily became a Silent Key on 23 February 2022, six days short of her 48th birthday.

Emily was relatively new to amateur radio, first licensed in January as KC3MRW, Technician Class, and a few months later granted a "vanity" as K3ESU in July 2019.

Emily, a mother of three children and wife to Stephen, was active in the club. She assisted in hamfests and other activities. She was elected Vice-President of the Club in December 2021 and was looking forward to being more active. She was a "serial hobbyist," always willing to learn something new.

We will miss her youth and enthusiasm and express our condolences to the family.

Viewing: 1-2 p.m., with service at 2 p.m., **Saturday, 5 March** at Brookfield Bible Church, 3601 Brookfield Road, Harrisburg.

Obituary: tinyurl.com/4v58jym2 ■



★ The annual **HamFeast** was a success! Coming out of the pandemic malaise, the Hams of the Harrisburg area congregated at the **Peachtree** restaurant on February 9th. The "Ham Of The Year" award went to **Bob, K3RTS**, current club president. Please see pages one and eight for more details.

★ **HamFeast Photographs page 8:** *top left*—Tim, W4NKC, passes out Milestone awards to several hams. **Charlie, W3CWT**, receives his certificate; *right*—**Adam, KC3MFJ**, ponders his prize from **Terry, WB3BKN**.

Center left—**Kendra, KZ3KBD**, receives her prize as **Charles, KW3W** and **KC3MJF** look-on; *right*—**Chuck, KA1YSR**, enjoying the festivities.

Bottom left—W3UU desert cake; *right*—door prize goodies.

All photographs by **Bob, K3RTS** except top left and

center left by Curt, K3URT.

★ **Tim, W4NKC**, Membership director, awarded the following Milestone license longevity awards at the **HamFeast**: (Those OMs not present at the ceremony will have their certificates mailed to them.)

- **Andrew Baer, KC3HQQ**, 5 years
- **Andy Lehman, KB3WIG**, 10
- **Peter Lehman, KB3WIH**, 10
- **Charles Tapley, W3CWT**, 20
- **Dennis Sheppard, KA3YLY**, 30
- **Randy Coleman, N3KZX**, 30
- **Chuck Greiner, N3WL**, 30
- **Cliff Miller, KB3RX**, 45
- **Terry Snyder, WB3BKN**, 45
- **Dan Rapak, WA3ATV**, 50
- **Paul Rokoff, WB2VLM**, 55

★ The February VE Team under **Steven, KA3PDQ**, tested 8 candidates, 6 were successful, administering 9 Elements. VEs assisting were **Frank, KB3PQT**, **Tim, W4NKC**, and **Curt, K3URT**. ■

LOCAL AREA NETS

(ALL TIMES ARE LOCAL):

MONDAYS

- ✓ 1900: @145.110 MHz, 131.8 Hz Tone, FM, W3ND, Dauphin County ARES/RACES Training Net.
- ✓ 2000: @146.970 MHz, 123.0 Hz Tone, FM, W3HZU Keystone VHF Club net, York.
- ✓ **CHANGE**: 2030: @146.460 MHz, 67 Hz Tone, +1 MHz offset, FM, N3TWT South Mountain Radio Association net, Mt. Holly Springs.

TUESDAYS

- ✓ 1900: @146.970 MHz, 123.0 Hz Tone, FM, W3HZU Keystone VHF Club Digital Net.
- ✓ 2000: @147.315 MHz, 82.5 Hz Tone, FM, K3LV, Lebanon Valley Society of Radio Amateurs, Emergency Net.
- ✓ 2100: @145.230 MHz, 114.8 Hz Tone, FM, K3IR Southern Pennsylvania Radio Club net.

WEDNESDAYS

- ✓ 1900: @146.76 MHz, 100.0 Hz Tone, FM, **Harrisburg Radio Amateurs Club** Information net, W3UU, every Wednesday except club meeting, second Wednesday.
- ✓ 1930: @146.865 MHz, 123.0 Hz Tone, FM, Red Lion, W3ZGD, Hilltop Transmitter Association "Spikes and Frogs" railroad hobbyist net.
- ✓ 2000: 28.400 MHz, simplex net, USB, Cumberland Amateur Radio Club (except 3rd Wednesday)
- ✓ 2100: @145.110 MHz, 131.8 Hz Tone, FM, W3ND, Central Pennsylvania SkyWarn™ net

THURSDAYS

- ✓ 2030: @145.270 MHz, 74.4 Hz Tone, FM, N3TWT, FM Allstar Echolink net.
- ✓ 2100: @145.390 MHz, 118.8 Hz Tone, FM, W3AD Lancaster Transmitting Society net.

FRIDAYS

SATURDAYS

- ✓ 2030: 146.580 MHz, simplex, FM, Lancaster County.

SUNDAYS

- ✓ 0730: 3.583 MHz, PA-NBEMS, Thor22 and MFSK32.
- ✓ 0800: 3.9935 MHz, PEMA statewide Auxiliary Communication Service, LSB (first Sunday of the month only).
- ✓ 0830: 3.9935 MHz, Central Pennsylvania Auxiliary Communication Service, LSB.
- ✓ 1900: 146.490 MHz, simplex net, FM, Cumberland Amateur Radio Club
- ✓ 2000: @146.640 MHz, 85.5 Hz Tone, FM, AA3RG Appalachian Amateur Radio Group net.
- ✓ 2030: @147.120 MHz, 100.0 Hz Tone; FM, W3ACH Cumberland Valley Amateur Radio Club net.

DAILY

- ✓ 1900: 3.585 MHz, CW, Pennsylvania Traffic Net.
- ✓ 1945: @147.015 MHz, 118.8 Hz Tone, FM, W3RRR Lancaster County Welfare Net; Red Rose Repeater Association.

® = repeater. Members: Add or update your favorite regional net!

75 years service to the Capitol of Pennsylvania

HARRISBURG HAM HISTORY

— 100 years ago —

3 AGT

The amateur radio station operated and owned jointly by F. W. Cocklin and W. L. Gardner at 1630 North Fifth street, is said to be one of the foremost amateur radio stations in Harrisburg. Although handicapped somewhat by induction, this station has made great headway in radio work. Both Mr. Cocklin and Gardner are "old-timers" in the radio game, having been active in the development of radio since 1910. They have both served in the Signal Corps of the United States Army during the World War and are prominent members of the Harrisburg Radio Club.

With their present set they have been able to work as far as Burlington, Vt.; Racine, Wis.; South Nashville, Tenn.; and 450 miles off the Atlantic coast. This station recently handled a message from Governor W. C. Sproul to President W. G. Harding. This was known in the amateur radio field as the Governor's-President's relay.

The transmitting set consists of 1 KW Acme non-resonant transformer, homemade condenser (plate glass and copper coil immersed in oil), high speed aluminum spark gap, homemade O. T. primary made of three turns of three-inch brass ribbon; secondary, constructed of seven turns of two-inch brass ribbon and six inches of coupling with a maximum radiator of 5.24 amperes, anchor gap, protective devices and ammeter.

The receiving set consists of a Westinghouse (RC) receiver and Baldwin phones type F. The antenna is of the inverted L type, made of four strands of silicon bronze, seventy feet long and sixty feet high. The ground system constitutes a four-wire counterpoise, earth plates and waterpipes.

Harrisburg Telegraph, 24 March 1922, p. 13.

Newsletter submission guidelines:

Deadline: For the APRIL issue is end of business day WEDNESDAY, 6 APRIL — sorry, no exceptions!

- ✓ Articles, photographs, graphics are welcome! *Limited assistance can be provided.*
- ✓ Cite the source. Permission must be obtained from the author using copyrighted material except "fair use" extracts.
- ✓ Please proof-read your finalized narrative before submitting. As a practice, the editor will "quote" rather than "correct."
- ✓ Submit to the email address: HRAC.Newsletter@gmail.com

LICENSE STUDY INFORMATION

NEW The **Montgomery Amateur Radio Club**, Silver Spring, Maryland, offers a free online Zoom Technician Class licensing class on seven Saturdays, 1300-1600L, starting 19 March to 30 April 2022. A test session on the following Sunday morning, 0830-1100L, 1 May. For details: www.marccclub.org/mweb/education/classes/technician.html ■

Technician and General Classes: Lancaster County Public Service Training Center

Technician: April 9-10 • August 20-21 • October 15-16 • General: October 29-30

Contact:

Ralph Brandt, K3HIQ
1705 Misty Dr
York PA 17408-4237
C 717-885-3063 • H 717-792-1017
ralph.brandt@comcast.net ■

Zoom Extra License Training Class At National Electronics Museum

Free weekly, live, **Extra Class** Licensing course on Zoom beginning Thursday, January 20 through Thursday, 31 March. Sessions will start at 1830L, and run 3 hours. These are the classes sponsored by the National Electronics Museum. Those wishing to sign up should email roland.anders@comcast.net — www.w3vpr.org/extra-class ■

SWAP & SHOP SPOT

Per the affirmation of the membership, June 2021 meeting, members may post, one-time non-commercial advertisement of items relating to amateur radio, computers, and electronics. "Wanted" advertisements are permitted. Submission of photos are strongly encouraged.

Also, please see posts on the HRAC website and FaceBook™.

HRAC is not responsible for any typographical or other errors. While we endeavor to connect interested parties, all transactions are made exclusively between the buyer and seller. HRAC disclaims all responsibility for any issues arising out of the use of, or reliance upon, this information.

ARRL Field Day and HRAC Firecracker in 3 months! • Join the fun!



FIRECRACKER HAMFEST:
2 JULY 2022

25-26 JUNE 2022

"Some New Rules Going into Effect this Year for ARRL Field Day

After the issuance of several rules waivers over the past couple of years due to the COVID-19 pandemic, ARRL Field Day rules are being updated on a permanent basis starting with the June 25-26, 2022, event. The maximum PEP output for a transmitter used by anyone submitting a Field Day entry will be 100 W, regardless of entry category.

Class D (Home) stations will continue to be able to earn points for contacts with other Class D stations. The club aggregate scoring change initiated in 2020 as a temporary measure will become part of the permanent rules. In the aggregate scoring plan, the scores of individual stations are combined under the aggregate score of a club that is designated on the individual entry form.

Another change, involving Media Publicity Rule 7.3.2, has been modified. Field Day participants will now be required to obtain publicity, not just try to do so. Any combination of bona fide media hits would qualify for the bonus points. For example, posting the details of your upcoming or ongoing Field Day activity, or your Field Day results, on a club or news media site, on Facebook, or via Twitter and Instagram would meet the bonus criteria.

For more information, visit the [ARRL Field Day web-page](http://www.arrl.org/field-day). ■

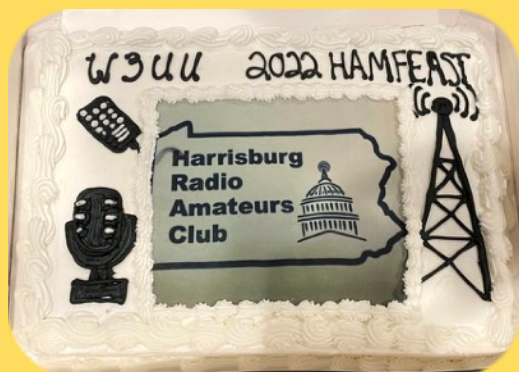
★ Always looking for vintage tube-era radio items for my collection. The following are items I purchase: Vacuum tubes, Telegraph keys/bugs, Early microphones, Broadcast equipment, Theater sound equipment, Loudspeakers, Military radio, HiFi stereo equipment, etc.

Feel free to send me an email if you have one item, or an entire collection for sale.

I am local in the York, PA area.
— **Rob**, roblo1967@hotmail.com

★ Free Hallicrafters S-120 receiver for anyone interested. — **Bill, W3OWL**, alpha272003@aol.com ■

HAMFEAST 2022



APPLICATION for MEMBERSHIP or RENEWAL

**MAIL TO:**

Tim Lehman (W4NKC)
PO Box 453
Hummelstown, PA 17036-0453
717-982-8550

— Make checks payable to HRAC —

YOU CAN ALSO USE PayPal for payment of dues. The club's account is: HRACW3UU@GMAIL.COM The payee will appear as Dave Dormer, our treasurer. If using PayPal, please list the call sign(s) for which you are paying dues and the number of years you are paying in the "note" section of the payment page. Also, if there are any changes to your personal information please either put it in the note section or email the updates to: W4NKC.HV@gmail.com

Membership per year is ☐ \$15.00, ☐ \$7.50 if over 65 years of age.

Family Membership per year is ☐ \$25.00 (Hams must reside in the same household.)

— Membership ends December 31st of the year. —

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ E-MAIL* _____

ARRL Member? ☐ Y ☐ N YEAR FIRST LICENSED: _____

SIGNATURE _____ Date _____



I agree to abide by the by-laws and guidelines of the membership of The Harrisburg Radio Amateur's Club, Inc.

If you recently obtained your first license through our Harrisburg Volunteer Examiner Team, bring your application and CSCE to a club meeting and we will waive the membership dues for your first year of membership!

*** Please note:** the newsletter is only sent in portable document format (PDF), via email, so **a valid, updated email address is important !!!**

Join the Gang!