



W3UU NEWSLETTER

— DECEMBER 2021 —

Club Officers:

PRESIDENT:

Zach Bare, W3ZTB
w3ztb1@gmail.com

VICE PRESIDENT:

Robert Saber, K3RTS
k3rts@w3uu.org

SECRETARY:

Steven Gobat, KA3PDQ
ka3pdq@juno.com

TREASURER:

David Dormer, KC3MG
DDDormer@gmail.com

LICENSE TRUSTEE:

David Dormer, KC3MG
DDDormer@gmail.com

EQUIPMENT TRUSTEE:

Terry Snyder, WB3BKN
WB3BKN@djerry.com

Committees:

WEBMASTER: W3UU.ORG

Michael Drawbaugh, KD3MAD
webmaster@w3uu.org

EMCOMM:

Robert Saber, K3RTS
k3rts@w3uu.org

MEMBERSHIP:

Tim Lehman, W4NKC
w4nkc.hv@gmail.com

NEWSLETTER EDITOR:

Curt Sanders, K3URT
HRAC.Newsletter@gmail.com

ELMER TIME:

Joe Hannon, W3JPH
johannon.jh@gmail.com

HAMFESTS & REPEATER:

Terry Snyder, WB3BKN
WB3BKN@djerry.com

NET OPERATIONS:

David Dormer, KC3MG
DDDormer@gmail.com

LAUREL VE:

Steven Gobat, KA3PDQ
ka3pdq@juno.com

NEXT MEETING is **Wednesday, 8 December**. HRAC meets the second Wednesday of each month with **"Elmer Time"** education at 1830L, business meeting at 1900L, all at the Harrisburg Vietnam Veterans of America Chapter 542, 8000 Derry Street, Harrisburg, PA 17111.

It's that time of year again! Time to **VOTE** for your new club officers at the December meeting who will serve in 2022.

— Please, come and vote! —

Suggested SLATE OF CANDIDATES presented by the Nominating Committee:

President:.....Robert Saber, K3RTS
Vice President:.....Emily Ulrich, K3ESU
Secretary:.....Frank Alsina, KC3NRK
Treasurer:.....David Dormer, KC3MG
Trustee, Equipment:....Terry Snyder, WB3BKN
Trustee, License:.....David Dormer, KC3MG

NOTE: Only club members may vote and participate in Elections.



...And, it's **Cookie Exchange**

Day! Bring your favorite cookies to the meeting and share them with everyone!

— "Keep Calm & Eat Cookies" - the Cookie Monster.

— ELMER TIME —

This Meeting's **Elmer Time**, at 1830L, is by **Dave, KC3MG**. Dave's presentation is: "Introduction to 160 meter loop antennas."

Future: part 2 — "Feed lines for a 160 meter loop." ■



The Harrisburg Radio Amateur 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 2021-2022:

- December:** 8th, club meeting: "Cookie Exchange Night" and Elections.
18th, license testing (see below).
- January 2022:** 8th, HRAC WinterFest (see flyer attached at end)
12th, club meeting.
- February:** 9th, club meeting; Hamfeast.
19th, license testing (see below).
- March:** 9th, club meeting.

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/

LICENSE TESTING:

Affiliated with the Laurel Volunteer Examiners (VE), HRAC conducts testing in January (Winter hamfest), 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. Also, we **require** the FCC Federal Registration Number (FRN) and 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/. ■

—The next test session is scheduled for 18 December 2021, at the Harrisburg Vietnam Veterans of America Chapter #542, 8000 Derry St., Harrisburg, promptly beginning at 0900L.

DA FINE PRINT: The *W3UU Newsletter* of the Harrisburg Radio Amateur Club (HRAC) Inc. is published monthly and is © 2021. All Rights Reserved. Every effort is made to ensure that the newsletter is free from error or omissions. The HRAC, it's respective Officers or agents, shall not accept responsibility for offenses (e.g. injury, loss, or damage) occasioned to any person acting or refraining from action as a result of material in this newsletter, whether the offenses in any way are due to any negligent act or omission, breach of duty or default on the part of the HRAC, or representative agents.

Content may be freely used with proper source citation and is of reasonable "fair use" per 17 US Code § 107.

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. ■

HRAC MEETING MINUTES: 10 November 2021

The November 10, 2021 meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1906 HRS by the Vice President, Robert (K3RTS)

The October meeting of the HRAC was held at the Vietnam Veterans Association Building, 8000 Derry St, Harrisburg, PA. Due to the continuing COVID – 19 pandemic those in attendance took the recommended precautions.

The members introduced themselves.

Secretary Report – The minutes of the October 13, 2021 meeting were published in the newsletter. Tim (N4NKC) made a motion to accept the minutes as published George (AC3EA) Seconded, the motion passed.

Treasurers Report – Dave (KC3MG) read the treasurers report. For the month of October 2021. George (AC3EA) made a motion to accept the October 2021 Treasurer's report Michael (WD3MAD) seconded, the motion passed.

License Trustee – Dave (KC3MG) reported that there were no changes.

Equipment Trustee – No Changes.

Repeater Committee – Dave (KC3MG) reported that there were still interference problems from a high powered Paging transmitter. Dave also reported that the committee was hopeful that the CAT 1000 controller could be repaired.

Laurel VE Committee – Steven (KA3PDQ) reported that the next exam session scheduled is schedule for December 18, 2021 at 8000 Derry St @ 9:00 AM. Testing is free. Preregistration is required.

Membership Committee – Tim (W4NKC) reported that there were 77 Club Members with 45 also belonging to the ARRL.

Newsletter Editor – Kurt (K3URT) reported to the group on how to submit articles. Please send articles to HRAC.Newsletter@gmail.com. **Deadline December 3.**

Web Page – Michael (WD3MAD) He reported on new items that have been added to the web site.

Emergency Communications – Robert (K3RTS) reported that there are training opportunities available. Monday @7PM on the 145.11 repeater. Red Cross Drill to be November 13, 2021

Elmer Time – Joe (W3JPH) Looking for topics and presenters. **DXCC** - No Report

Ham Feast - The membership discussed several ideas for the event. Plans still in progress.

Hamfest Committee – Dave (KC3MG) gave the report of a very successful October Hamfest. He reported that 177 tickets were sold.

Field Day – Bob (K3RTS) talked about if the group was interested in Winter Field Day January 29-30, 2022. No action at this time.

Trailer Committee - No report

Old Business – None

New Business –

Nominating Committee Report The committee consisting of Dave (KC3MG), Tim (W4NKC) and Frank (KC3NRK) presented the following slate of officers to be voted on at the December Meeting;
 President – Robert Saber (K3RTS)
 Vice President -Emily Ulrich (K3ESU)
 Secretary – Frank Alsina (KC3NRK)
 Treasurer – David Dormer Jr. (KC3MG)

Good of the Club –

Adjournment – With no further business meeting was adjourned at 1931 hours. Motion to adjourn Frank (KC3NRK) seconded by Joe (W3JPH)

Respectfully Submitted

Steven Gobat, KA3PDQ

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

HRAC CLUB NEWS:



MEMBERSHIP ends **31 December**. An application form is on page 9 of this newsletter. **Renew or join today!** ■

SILENT KEY

Neil R. Shatto, Jr., W3JQM,

became a silent key, 30 October 2021.

He was raised and lived his entire life in Fishing Creek Valley. Neil was a man of Faith, a beloved Husband, Father and Grandfather, a friend,

and a community servant.

He loved cars, gardening, the outdoors, electronics and took pride in all that he did. He loved his family more than anything and enjoyed building, restoring, and repairing everything.

Neil retired from AMP Inc. with 41 years of service, was a Life Member of the West Hanover Twp. Fire Co. and the Dauphin County Volunteer Fireman's Association. He formerly served on the West Hanover Twp. Board of Supervisors and Planning Commission. He was a member of Antique Automobile Club of America; Appalachian Amateur Radio Group; Amateur Radio Relay League; the **Harrisburg Radio Amateur Club**; Society of Automobile Engineers; Hershey High School Alumni of 1955; Harrisburg Hot Rod Dragsters Club; and Mt. Laurel Church of God.

His wife, Josephine Shatto, a daughter and son and many grandchildren survive him. ■

Volunteer Examiner Team Leader Steps Down.

VE TEAM LEADER, **Steven Go-bat, KB3PDQ**, has announced he will no longer be the team leader for the Harrisburg area Laurel VEC effective after the 18 December 2021 test session.

"After this test session it is my wish to step down as the Team Leader. So in order to continue we will need for someone to take over the position.

If interested please let me know and I will fill you in with the details." — *email, 13 November 2021.* ■

ELMER TIME — November

THANK YOU **Mike, KD3MAD**, for your illumination on the Window 11™ upgrade and possible consequences for the amateur radio operator. Please visit the club website for the presentation and information!

Elmer Time is held at 1830L before every meeting of the Club. ■



Eastern Pennsylvania Section Manager

George Miller, W3GWM

epa-arrrl.org

Phone: (570) 250-1007

Email: w3gwm@arrrl.org

"I'm pleased to announce that we have a new Section Emergency Coordinator coming on board December 1st. **Bob Wilson, W3BIG**, has accepted the appoint as East Pennsylvania SEC. ...

The appointment of Section Emergency coordinator is an extremely important position and requires hard work. I'm sure Bob will excel at this new challenge. I delayed filling this appointment while searching for the right person." — *email, 13 November 2021.* ■

Winlink Thursdays to Return in January

The EmComm Training Organization (ETO) provides training exercises and drills for operators to develop their proficiency with the Winlink communications program. The organization started offering training for the American Red Cross drills but changed its name to ETO since participation grew to include many different EmComm organizations.

They typically hold a drill during May and November each year. The most recent exercise, "Cyber Wind," was conducted on 13 November 2021. The scenario was that a cyber-attack took down most of the internet and communications infrastructure. EmComm groups were activated to relay messages. The participants were asked to send information about their capabilities to transmit messages if the situation worsened. The participant could send messages to a gateway clearinghouse node/station and/or send them directly to another radio station (peer-2-peer or P2P). In the exercise, there were 293 Field Station messages to the P2P Target Stations.

There were a total of 485 unique stations that sent messages to the clearinghouse stations. Four radio operators participated from Dauphin County, and three of them are members of HRAC: **KC3LYV, K3RTS, and KA1YSR!**

ETO also conducts Winlink Thursday training exercises frequently throughout the year to practice and build proficiency in drills and potential disasters. Winlink Thursday is taking a break for the Holidays.

Winlink Thursday will return on 20 January 2022. You can get more information and updates by subscribing to their Groups IO page at:

emcomm-training.groups.io/g/main.

— *Robert Saber, K3RTS, email, 30 November 2021.* ■

CONTESTING

• **Contest Calendar December 2021 (over 100):**

www.contestcalendar.com/contestcal.html

- Popular for December:
 - PODXS 070 Club Triple Play Low Band Sprint
 - ARRL 10-Meter Contest
 - RAC Winter Contest
 - Stew Perry Topband Challenge

• **One-By-One special events (45):** www.1x1callsigns.org

• **Contester Scores:** www.3830scores.com/index.php

• **ARRL Contest Calendar:** www.arrl.org/contest-calendar

New RAC Web Contest Log Submission System

RAC Canada Day Winter Contest: December 18

"The Radio Amateurs of Canada Contests and Awards Committee (RAC-CAC) is pleased to announce the implementation of a new contest log submission system which began on July 1 for the RAC Canada Day Contest 2021.

This system is designed to allow you to directly submit a Cabrillo-based log file as your official contest entry form for both the RAC Canada Day Contest and the RAC Canada Winter Contest. The system follows the key principles for log submission that are now highly common in radiosport contesting.

The web-based application and its homepage interactively walks you through the process of submitting your log. The system also provides a helpful Frequently Asked (FAQ) questions page for those that need additional instructions about entry categories and answers to general questions regarding those categories.

If you would like an early look at the log submission system please visit: contest.rac.ca/

For the 2021 contesting season [they] will still accept email logs via the published email addresses but will be looking to phase that method out in 2022."

www.rac.ca/rac-canada-winter-contest-2021/

www.southgatearc.org/news/2021/november/new-rac-web-contest-log-submission-system.htm#.YZudnC-cYVE, 20 November 2021. ■

NEWS • COMMUNIQUES • MESSAGES • DISPATCHES QST • REPORTS • TALK

Update: new CORES System Fully Implemented.

The FCC has retired its old Commission Registration System (CORES) system and replaced it with a new procedure.

The new CORES website URL: apps.fcc.gov/cores/

Individuals doing business with the Commission must provide a valid email address when registering for FCC Registration Numbers (FRNs) in the new CORES.

The updated version of CORES allows you to register with a username (email) and password to:

- Create FCC Registration Numbers (FRNs)
- Modify FRNs
- Associate FRNs to different user accounts
- View FRN financial data, and make payments*

Registrants also are required to keep their information, including their email address, current. Having a valid email address is essential as it will be part of the process of validating your FRN application or doing business with the FCC. If the email is not valid or responded to within a specific time, the requesting activity is dismissed.

Roy Llewallen, W7EL, author of EZNEC to retire — EZNEC pro/2 to become free

A popular software program for antenna developers and aficionados will be retired.

"On January 1, 2022 I will be retiring. ... EZNEC is and always has been developed, sold, and supported only by me, so all development, sales, and support will end at that time. For several reasons there is no practical way to sell or transfer ownership to someone else, so here's what will happen on that date:

EZNEC will be released to the public domain and become free of cost and can be freely copied and distributed. I do not plan to release the source code." ■

For more information:
eznec.com/retirement.htm

For additional support, please visit the FCC Registration Help Pages: apps.fcc.gov/cores/publicHome.do?help=true You can also call the FCC Licensing Hotline, (877) 480-3201 Option 4, or visit the e-support page: www.fcc.gov/available-support-services.

*"Report & Order FCC 20-184 – Amendment of Application Fees..."

The fee changes outlined in this order will **not take effect** until the requisite notice has been provided to Congress, the FCC's information technology systems and internal procedures have been updated, and the Commission publishes notice(s) in the Federal Register announcing the effective date of such rules. Please continue to use the current Wireless Telecommunications Fee Guide for fees related to applications filed in ULS." — *Various sources primarily the FCC; last viewed 18 November 2021.* ■

ST-4003W Time Adjustment Software for selected Icom Amateur Radios

The ST-4003W is a Windows based software, which allows you to set the radio's time from your PC's time by connecting your radio to a PC.

The software is available for the following Icom radios (as of November 2021).

- IC-705
- IC-7100
- IC-7300
- IC-7600
- IC-7610
- IC-7850/IC-7851
- IC-9700

Also available, for free from Google Play, is Android app ST-4003A. ■

Download: www.icomjapan.com/support/firmware_driver/3428/

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.
- ✓ 2030: @145.430 MHz, 67 Hz Tone, 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.
- ✓ **NEW** 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

- ✓ **NEW** 2030: 146.580 MHz, simplex, FM, Lancaster Co.

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.
- ✓ **NEW** 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!

HAM HISTORY



— 100 Years Ago —

Paul Forman Godley.

At 0300Z, 12 December 1921, the much-ballyhooed “Transatlantic Tests” succeeded. American and special representative of the ARRL, Mr. Godley listened and copied signals from 1BCG, Greenwich, Connecticut, in his “shack” in Scotland. It was the “...first in history the signals of United States and Canadian amateur stations have been heard across the ocean on schedule.”

Transmitting operators for 1BCG were Minto Cronkhite, E. H. Armstrong, George Burghard, John Grinan, Ernest Amy, Walter Inman, and 27 others.

The event was on 200 meters, “straight C.W.” with 50 to under one kilowatt of power. The 1BCG receive antenna was a 1300 foot Beverage, 12 feet high, hooked to a Paragon Super-heterodyne regenerative rig. The 1BCG transmitting antenna was a T Cage, 230 foot dipole with radial counterpoise. The rig was a home-brewed contraption that could load one kilowatt.

Nr 1 NY ck 12 to Paul Godley, Ardrossan, Scotland. Hearty congratulations. Burghard Inman Grinan Armstrong Amy Chronkhite.

Photograph: QST, November 1922, p. 1.
“Second Transatlantic Tests.” QST, December 1921: 7, 8.

“Transatlantic Tests Successful.” QST, January 1922: 7.

Kenneth B. Warner, Ed. “The Story of the Transatlantics.” QST, February 1922: 7-28.

Paul F. Godley, “Official Report on the Second Transatlantic Tests.” QST, February 1922: 14-28.

George E. Burghard, “Station 1BCG: A Paper Presented at meeting of Radio Club of America, Columbia University, Dec. 30, 1921,” QST, February 1922: 29-33. ■

NEWS • COMMUNIQUES • MESSAGES • DISPATCHES • QST • REPORTS • TALK

A WINTER STEW by Heather Holmes, VE3HQH

“Many of us who work, come home at night feeling like we would not like to cook. If you prepare the stew on Sunday, cooking it to the end of the first stage, then refrigerating it, you can put it back into the slow cooker on Monday morning and it will cook all day and stay warm, greeting your worn-out scowl with a welcoming aroma!

This is an especially welcoming aroma on late fall and winter evenings in countries where it gets dark at 1630 hours. Try it with a freshly warmed loaf of artisan (hand-made) bread.

Layer the potatoes, carrots, onion and celery in a 5 quart (5 litre) slow cooker. Place flour in a large re-sealable plastic bag. Add stewing beef, seal bag, and toss to coat evenly.

In batches, in a large skillet, brown beef cubes in oil. Place browned beef over vegetables in the slow cooker. In a large bowl, combine tomatoes, beef broth, mustard, salt, pepper, thyme and browning sauce. Pour over beef. Cover and cook on high heat for 1½ hours. Reduce heat to low and cook 7 to 8 hours longer or until meat and vegetables are tender. Makes 8 servings.

**Ingredients:**

- 1½ pounds (680 g) potatoes, peeled and cubed
- 1 medium onion, coarsely chopped
- 6 medium carrots cut into 1 inch (2.5 cm) slices
- 3 celery ribs, coarsely chopped
- 3 tablespoons (45 ml) all-purpose flour
- 3 tablespoons (45 ml) vegetable oil
- 1½ pounds (680g) stewing beef, cut into 1 inch (2.5 cm) cubes
- 1 cup (250 ml) beef broth
- 14½ ounce (435 ml) diced tomatoes plus juice
- 1 teaspoon (5 ml) ground mustard
- ½ teaspoon (2.5 ml) salt
- ½ teaspoon (2.5 ml) pepper
- ½ teaspoon (2.5 ml) dried thyme
- ½ teaspoon (2.5 ml) browning sauce
- Mushrooms, optional”



REPRINTED BY PERMISSION: *The Communicator*. November-December 2021: 73; ve7sar.blogspot.ca; first published in a book by The Canadian Ladies Amateur Radio Association, co-editor Paulette Mary Schouten, VE7VPE, 2008. • *The Communicator* is a free electronic periodical published by Surrey Amateur Radio Communications in Surrey, B.C., Canada. All rights are reserved. ■



For January newsletter:

What Did Santa Bring You?

If you weren't naughty share your latest gear received from the polar OM (or supporting significant other). Can be from the last few months. email:

HRAC.newsletter@gmail.com ■

October 2021 Volunteer Monitor Program Report

- Again, the VM program reports Technician ops receiving *Advisory Notices (ANs)* after making numerous FT8 contacts on 40 and 20 meters. Technician licensees are not allowed to transmit data on 40 meters and have no operating authority on 20 meters.
- A couple ops received ANs for excessive SSB bandwidth on 40 and 75 meters.
- Dinged one op for out-of-band in his license class.
- ANs for an op for running an automatically controlled beacon on 30 meters. ■

— Thanks **Glenn, K3SWZ** and www.arl.org/news/october-2021-volunteer-monitor-program-report

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. ■

From the Editor:**Newsletter submission guidelines:**

Deadline: For the JANUARY issue is end of business day FRIDAY, 7 January) — 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.
- ✓ Editor reserves the right to edit for brevity and grammar, where needed. 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

Webmaster Report – November 2021 Club Meeting

Dear HRAC Club Members,

Since October 2021 meeting, we have spent most of our time preparing for the November 2021 Club Meeting Elmer Time presentation entitled "Windows 11 – The Impact on Amateur Radio Operations". This presentation was offered up to raise awareness about the pending changes to the Windows operating system, how and when end users might start to see that change and the impact Windows 11 might have on the various applications and tools used as part of amateur radio operations. The good news is that it should have very little impact to ham radio software application. All tested to date run fine if you have the correct driver for your radio/device. Additional information can be found under the Elmer Time section of the website under Meetings.

Looking forward into December and beyond into 2022, we hope to continue normal operations and changes to the website including support for all current and future events. This includes hamfests, club meetings and club nets. We are also preparing a new Photo Album and expanded section for recent events and Elmer Time. All in due time.

Also, if any officer, staff member or club member is interested in a W3UU email address, there are still many slots available. The would be issued in order of priority. Officers first, staff members 2nd and club members 3rd. Example would be 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:** **2**

Website Statistics for the Month October 13, 2021 – November 9, 2021

Contact Us Submissions	Successful Outreach	Notes
8	6	Most exchanges continue to be individuals new to the hobby looking for information on exams, or recently licensed interested in joining the club. Also, that time of year when folks are contacting us re: next round of membership dues.

Number of Impressions	Number of Click-Throughs	Average Rank per Search
2, 479 (down 454 or 15%)	199 (8% Click Rate)	32.7

Top 5 Performing Pages by Search	Number of Impressions	Number of Click-Throughs
Home Page	477	87
Hamfest Landing Page	473	67
Oktoberfest Page	133	22
Newsletters	66	6
License Exams	79	3

Top 5 Performing Searches	Number of Impressions	Number of Click-Throughs
w3uu	46	28
harrisburg hamfest	18	12
hamfest pa 2021	47	5
hamfest pa	36	1
Oktoberfest hamfest	14	1

Other notable impressions from searches include: "ham festival near me"; "ham radio swap and shop" and "reading radio club"

This report is hereby respectfully submitted.

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

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 —

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!

W3UU - Harrisburg Radio Amateurs' Club WinterFest

Saturday January 8th, 2022

WINTERFEST



Electronics Expo and Hamfest



Vietnam Veterans of America

8000 Derry Street

Harrisburg, PA 17101

7:00 am to 11:00 am



Admission **\$5.00** per person



Tables - \$5.00 each.



DXCC/WAS/VUCC QSL card checking on site



Coffee and snacks available

No reserved table space.

Unloading can be done at the main doors, and
then move vehicle to parking area.

For further information contact:



Terry Snyder (WB3BKN)

PO Box 355

Halifax, PA

717-896-0256

WB3BKN1@gmail.com

Talk-in
146.76 (PL 100 Hz)

Web Site: www.w3uu.org

Flyer by Bob, K3RTS



Save the Date! – W3UU FIRECRACKER Hamfest is July 2, 2022