



W3UU NEWSLETTER

— JULY 2023 —

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PRESIDENT:

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WB3BKN1@gmail.com

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k3fxa@frankaponte.com

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steve7shoe@gmail.com

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WB3BKN1@gmail.com

NET OPERATIONS:

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k3urt@w3uu.org

VE TEAM LEADER:

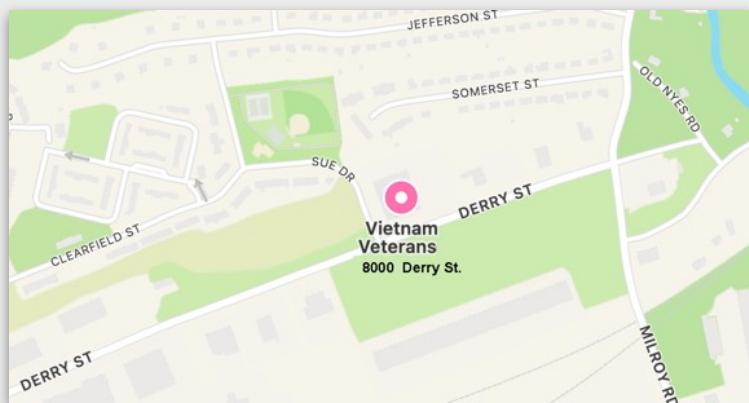
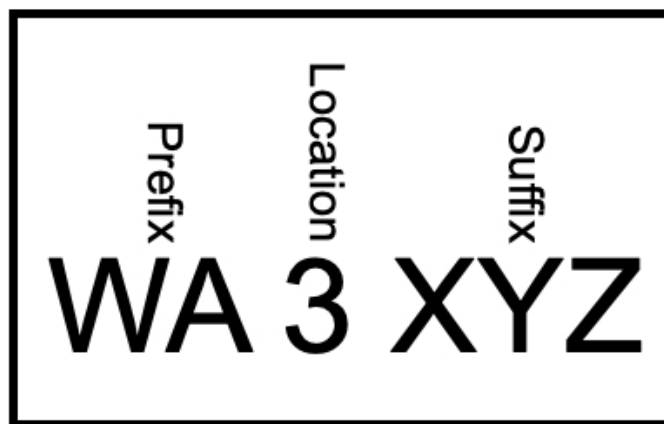
Tim Lehman, W4NKC
w4nkc.hv@gmail.com

QST: NEXT MEETING is **WEDNESDAY, 12 JULY,** 1830~2030L at the

Vietnam Veterans of America Capital Chapter 542, 8000 Derry Street, Harrisburg, PA. **All are welcome!** Business meeting at 1830-1900, followed by **Elmer Time:** On the history of call signs using a presentation by Mike Ritz.



Every legal amateur radio operator in the world has a unique callsign assigned to them by their government, and many of us are better known by our callsign than our given name. But what world event was it that caused these monikers to be? Why are they constructed the way they are?





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 Pennsylvania 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 2023:

July12th, club meeting. Happy 77th Birthday HRAC!
August9th, club meeting.
19th, license testing (see below).
September13th, club meeting.
October11th, club meeting.
21st, license testing (see below).
November8th, club meeting.
December13th, club meeting ELECTIONS; cookie exchange.
16th, license testing (see below).
January 2024 ...10th, club meeting.
 Please consider making a presentation at "Elmer Time." Everyone has expertise in something and can bring something to the table. Do more than contemplate, 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 2nd Wednesday of the month.

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.

HAM HISTORY —75 years ago—

Area Radio Test Begins Tonight

The Harrisburg Radio Amateurs Club will participate in a nationwide test of emergency radio apparatus from 5 o'clock tonight to 5 p. m. tomorrow.

The tests, conducted in cooperation with the American Radio Relay League, will be made from Peters Mountain, near Dauphin, where two emergency transmitters have been set up by the Harrisburg club.

Boy Scouts, under the direction of Robert S. Doloin, leader of Troop 5, will carry food to the emergency operators and other workers for the 24-hour period. The Red Cross and other organizations which would be asked for help in any kind of emergency have also been asked to cooperate.

Communication will be established with as many other groups as possible throughout the country. The degree of emergency preparedness will be measured by a scoring method set up by the Amateur Radio Relay League.

The [Harrisburg] Evening News, 12 June 1948, p. 19.

HARRISBURG RADIO AMATEURS CLUB NEWS

★ **WEDNESDAY NIGHT NET:** Would you like to have an opportunity to operate the HRAC Weekly Net on the W3UU repeater?

Open to licensed HRAC members and amateurs, the HRAC Weekly Net is held every Wednesday evening except the 2nd Wednesday of the month (club meeting night at 1830L). Topics range from club business and events, "Swap and Shop," and general information regarding amateur radio at large.

Providing amateurs with experience, net control is restricted to club members. By serving as Net Control, you will gain valuable experience with this type of radio operation and offer assistance to the club and its membership.

If you are interested in serving as Net Control, don't hesitate to get in touch with Curt:

K3URT@w3uu.org

Get on the air! If we get a cohort of volunteers, the duty will be spread out.

—YOU WILL BE A CONTROLLER ON A ROTATING BASIS—

★ **"MEMBER SPOTLIGHT"** will feature a member from the HRAC community. A short bio with pre-questions like how you got into ham radio and your motivation. The editor will send you a final copy before publication. Please respond if tapped as the selected featured member. (Thanks to **Mike KD3MAD** for the suggestion.)

★ **MEMBERSHIP MANAGER,** **Tim W4NKC**, reports there are 66 members and HRAC retains its affiliation with ARRL.

★ **ELMER TIME** coordinator **Steve, KC3VPJ**, is looking for folks to step forward to inform and educate. No experience is necessary!

Contact: steve7shoe@gmail.com
We had a great start last meeting on Elmers and Elmering! Lots of discussion and input from the attending membership.

★ **Field Day!** (see page 7)

★ **Firecracker Hamfest** (see page 8)

This
space is
for YOU!
Let's hear
about your
amateur
radio ex-
periences!

QUA HRAC?

Send to:

newsletter@w3uu.org

Deadline for next newsletter submissions is by end of business day, Wednesday, 2 August, 2023.

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 Eastern Pennsylvania Section

epa-arrrl.org



Bob Wilson, W3BIG,
Section Manager

The Section consists of the counties of Adams, Berks, Bradford, Bucks, Carbon, Chester, Columbia, Cumberland, Dauphin, Delaware, Juniata, Lackawanna, Lancaster, Lebanon, Lehigh, Luzerne, Lycoming, Monroe, Montgomery, Montour, Northampton, Northumberland, Perry, Philadelphia, Pike, Schuylkill, Snyder, Sullivan, Susquehanna, Tioga, Union, Wayne, Wyoming, York.

ARRL Atlantic Division

www.atldiv.org

Bob Framiglio, K3RF, Director
The division consists of ARRL Sections Delaware, Maryland/DC, Southern New Jersey, Western Pennsylvania, Eastern Pennsylvania, Northern New York, and Western New York.

Did You Know?

Pennsylvania has: 277 Novice; 10,726 Technician; 6,333 General; 1,320 Advanced; and 5,556 Extra licensed amateur radio operators. Total: 24,212. — www.arrrl.org/fcc-license-counts — 3 July 2023.

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: @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: @146.760 MHz, 100.0 Hz Tone, FM, **Harrisburg Radio Amateurs Club Information net**, W3UU (except second Wednesdays - meeting night).
- ◆ 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)
- ◆ 2000: @145.210 MHz, 123.0 Hz Tone; FM, KA3TKW Shingara Digi Trivia net.
- ◆ 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.
- ◆ 2000: @145.210 MHz, 123.0 Hz Tone; FM, KA3TKW Shingara Tech net.
- ◆ 2030: @ 147.120 MHz. 100.0 Hz Tone; FM, W3ACH **Cumberland Valley Amateur Radio Club** net.
- ◆ 2100: www.w3nd.org Central PA Repeater Association DMR net.

DAILY

- ◆ 1700: 3.918 MHz, LSB, Eastern PA Traffic Net.
- ◆ 1900: 3.585 MHz, CW, The Dave Heller K3TX Memorial Pennsylvania Traffic Net (PTN).
- ◆ 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!

LICENSE TESTING: HRAC LAUREL VE

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. **Tim Lehman** 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 **by end of business day**.)

Testing is FREE*

**The next test session is
Saturday, 19 August, 2023,
at:**

**Harrisburg Vietnam
Veterans of America, 8000
Derry St., Harrisburg, PA
promptly beginning at
0900L.**

**Laurel VE Testing is FREE; however, you are responsible for applicable fees to the FCC. "While applicants for a new license will need to pay the \$35 FCC application fee, there will be no FCC charge for future upgrades and administrative updates, such as a change of mailing or email address. Most current licensees, therefore, will not be charged the new FCC application fee until they renew their license or apply for a new vanity call sign." — ARRL, 4/4/2022.*

June 2023 test results:

We administered four tests — all passed their upgrades (pending FCC approval and applicable fees paid).

A "Job Well Done" to the VEs who made it all happen:

**Steven, KA3PDQ
Curt, K3URT
George, AC3EA**

**Frank, KB3PQT
Tim, W4NKC
Alex, KC3SXJ**

EMCOMM:**MEETING & NEWS**

Bob Saber, K3RTS, Dauphin County ARES Emergency Coordinator and RACES Radio Officer announces in-person meetings are on the **4th Thursdays of the month at 1900L.**

The next meeting is Thursday, **27 July** at Lower Paxton Twp. Municipal Building, 425 Prince St., Harrisburg.

CONTACT:

- ✉ k3rts1@gmail.com
- ✉ ares.harrisburgpa@gmail.com
- ✉ **Dauphin County ARES Training Net:** every Monday at 1900L on 145.110 (PL 131.8).
- ✉ **Facebook:** www.facebook.com/profile.php?id=100067020090800
- ✉ **YouTube channel:** www.youtube.com/@dauphincount-yaresraces1195

Centre County PA ARES/ACS/RACES is looking for public service volunteers for this season. Review www.aresracescentre-countypa.com/?p=1117 or contact Carmine, K3CWP at k3cwp@ar-rl.net

Legislation to Remove Private Land Use Restrictions on Amateur Radio Introduced in Congress

"I reintroduced the Amateur Radio Emergency Preparedness Act to remove barriers to disaster and emergency communications and training, and to promote education in STEM subjects related to critically needed wireless technology," Congressman Bill Johnson (OH-06) said in a release. "Passage of this bill will promote developing and sustaining our nation's wireless future and facilitate and encourage amateur radio operations as a public benefit."

"As their actions during recent natural disasters such as Hurricane Sandy proved, amateur radio operators in Connecticut can be a critical component of disaster response and emergency management. It is in our communities' best interest that we give them the capabilities to operate at the highest level, and with the re-introduction of this bill, we've taken a



strong step in that direction," said Congressman Joe Courtney (CT-02). The reintroduced bill is H.R. 4006. — www.arrl.org/news/view/legislation-to-remove-private-land-use-restrictions-on-amateur-radio-introduced-in-congress?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter

Proposed: a new 40-Meter EMCOMM Training Net: "on weekends around 1000 local for the Mid-Atlantic region. This would be a net to test EMCOMM propagation paths for a few hundred miles around the Philadelphia area. We will need a purpose, a day/time slot and net leadership. If any digital operators are interested in planning this net, please contact me: K3EUIbarry@gmail.com

A possible name might be 'Mid-Atlantic EMCOMM Digital Training Net.' We might use an FLDIGI mode like THOR of MFSK (30-80 wpm and 500 Hz bandwidth) or VARA HF 500 Hz (Winlink or VAR AC). We will have a 'net control' to take check-ins and pass simulated EMCOMM traffic like severe weather forms, ICS forms, spreadsheets and even small images.

ARRL EPA Section Manager Bob Wilson-W3BIG is ready to support a new EMCOMM net. The best time to test seems to be Saturday or Sunday mornings around 1000-1100 local, after 80-meters shuts down. A frequency around 7080 to 7085 KHz (VFO) with a maximum of 500 Hz bandwidth looks promising. Any SSB transceiver and a simple sound card and laptop ... should work well.

I hope to have a planning committee by July and start this net by August."

Simulated Emergency Test October 2022 results:

Dauphin County, EPA, Atlantic Division, came in 15th out of 18 out of 34 EPA counties. 15 counties participated in the SET with three counties having 2 teams. EPA came in 4th nationally. — QST, July 2023, p. 66-68.

Dauphin County ARES/RACES is not affiliated with any club — but all are welcome!

CONTESTING et al

◆ **Contest Calendar July 2023 (126):**

www.contestcalendar.com/contestcal.html

Popular for the month:

- Thirteen Original Colonies (1-7th)
- IARU HF World Championship (8-9)
- CQ Worldwide VHF Contest (15-16)
- RSGB IOTA (29-30)

◆ **One-By-One special events (35 calls, 22 events):**

www.1x1callsigns.org

Popular for the month:

- 13 Original Colonies (1-7th)
- 160th Anniversary of the Battle of Gettysburg (1-4)
- Meme Appreciation Month (16-15)

◆ **State QSO Parties (0):** www.contestcalendar.com/stateparties.html

State QSO Party Challenge:
stateqsoparty.com

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

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

◆ **POTA:** parksontheair.com

◆ **SOTA:** www.sota.org.uk

◆ **VOTA:** vota.arrl.org/

◆ **WRTC (World Radiosport Team Championship):** wrtc.info/

◆ **The World Amateur Radio Contesting Association (WARCA)** publishes its annual ranking of all active international contesters. The full ranking table for 2023 is available at: warca.org/22-23

QSL Bureau, US 3rd Call Area:

The National Capitol DX Association managing organization. Jack Ference, W3KX, W3 Incoming QSL Bureau Manager. Address:

W3 Incoming QSL Bureau:
NCDXA
PO Box 190
Glenelg, MD 21737-0190

IMPORTANT: Please go to the NCDXA's website to identify who specifically your card sorter is, and for additional information!

W3UU The Harrisburg Radio Amateurs Club, Inc.

President – Terry [WB3BKN], Vice-President – Chuck [KA1YSR]



MINUTES OF THE June 14, 2023 MEETING

MEETING CALL TO ORDER: The Wednesday, June 14, 2023, meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1835L by the President, Terry [WB3BKN], at the Vietnam Veterans Association Building, 8000 Derry St, Harrisburg, PA 17111. Due to the continuing COVID-19 pandemic, those in attendance took the recommended precautions.

INTRODUCTIONS BY NAME & CALL SIGN: 12 individuals were present and introduced themselves briefly.

SECRETARY'S REPORT: April 2023 Minutes. Opened for comments, questions, and corrections. Motion to Accept the Secretary's Report as published in the June 2023 Newsletter by Curt [K3URT]. Adam [KC3MFJ] seconded the motion; the attending membership approved the Meeting Minutes by voice vote.

TREASURER'S REPORT: Frank [K3FXA] reported out the Treasurer's Report for May 2023. Motion to Accept the Treasurer's Reports by George [AC3EA]. Paul [KA3SGY] seconded the motion; the attending membership approved the Treasurer's Report by voice vote.

LICENSE TRUSTEE REPORT: Terry [WB3BKN] reported that there has been no news of complaints filed with the FCC. The club is looking for a new License Trustee, please let a Club Officer know if you are interested.

EQUIPMENT TRUSTEE REPORT: Terry [WB3BKN] reported that organization and cataloging of equipment in the trailer is almost finished and as the weather gets better that will continue. Next up is organization and equipment inventory of the storage unit. Please contact Terry [WB3BKN] to volunteer to help.

LAUREL VE COMMITTEE: Lead VE Tim [W4NKC] reported through Terry [WB3BKN] that the next testing date is Saturday, June 17, 2023 at 0900L and that individuals must register by end-of-day the Friday before. The testing location is the Vietnam Veterans Association Building, 8000 Derry St, Harrisburg, PA 17111. At time of tonight's meeting, we had two

signups for the June exam and one signup for the August exam.

REPEATER COMMITTEE: Terry [WB3BKN] reported that there are no changes or new developments with the W3UU repeater.

MEMBERSHIP COMMITTEE: Chair Tim [W4NKC] was unable to attend, but Terry [WB3BKN] reported that there are no changes to membership numbers - 66 current members with 45 being ARRL members (68.2%). With more than 50% of our members also being ARRL members, we remain an ARRL Affiliated Club. Reminder to renew your memberships for 2023 if you have not already done so.

NEWSLETTER COMMITTEE: Curt [K3URT] reported that the next newsletter article deadline is by the close of business, Wednesday, July 5, 2023. Please send newsletter articles to newsletter@w3uu.org.

WEB PAGE COMMITTEE: No report this month, Rick [K2RBT] was unable to attend.

EMERGENCY COMMUNICATIONS:

– Robert [K3RTS] reported the following via email to the Dauphin County ARES / RACES group:

– Contact ares.harrisburgpa@gmail.com to be added to the e-mail list for updates and announcements.

– Dauphin County ARES / RACES Net meets every Monday at 1900L on the 145.110 repeater (Ellendale Forge, W3ND). All are welcome to participate in the Net.

– In-Person meetings are on the fourth Thursday of the month. Our next in-person meeting is 1900L on Thursday, 22 June 2023 at the Lower Paxton Township Building, 425 Prince St, Harrisburg.

– Winlink Thursdays are back. Upcoming events are on June 15, July 13, and August 10.

ELMER TIME: The club has a new Elmer Time Coordinator. Steve [KC3VPJ] has volunteered to coordinate the Elmer Time presentations and is looking for topics that we can match up with our experienced HAMs to present on. We had 12 people attend tonight's Elmer Time. Steve [KC3VPJ]

presented on the history of "Elmer" (an actual person, no matter what the Internet says), who coined the term, what an Elmer is for new (and experienced HAMs learning new things) HAMs, and some of his experiences starting out in Amateur Radio with the Elmers from W3UU that took him under their wings and taught him a lot. Great discussion among attendees as well.

FIELD DAY 2023: The fourth weekend in June is June 24-25, so save the date! QTH: Central Penn College, 600 Valley Road, Summerdale, PA 17093 with overnight operations. More details in the June Newsletter.

HAMFEST: The next Hamfest for the club will be the Firecracker Hamfest on July 1, 2023. Volunteers are requested to be available from 400L to 1200L; the event runs from 700L until 1100L. Volunteers are needed for site setup at 1000L the Friday before. Please contact Terry [WB3BKN] to volunteer.

OLD BUSINESS: None Reported.

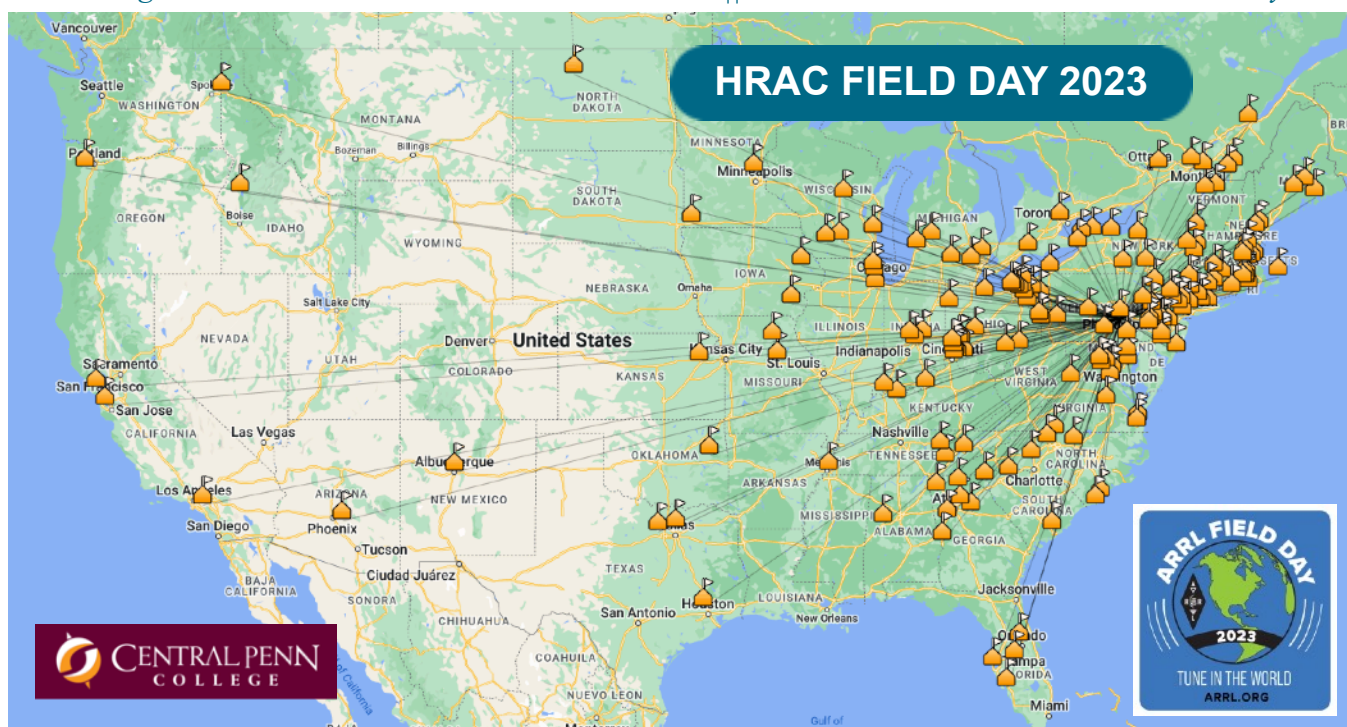
NEW BUSINESS: None Reported.

FOR THE GOOD OF THE CLUB: Nothing Reported.

ADJOURNMENT – A motion to adjourn by George [AC3EA] and seconded by Paul [KA3SGY]. The meeting closed at 1923L.

RESPECTFULLY SUBMITTED by Frank Aponte [K3FXA], Secretary.

THE MINUTES OF THE MEETING 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 a membership vote with approval/disapproval.



Left-to-right: Joe, K3SZH; Frank, K3FXA; Riley, KC3VYP. - photo K3URT

Curt, K3URT operated using solar and battery power on experimental vertical antenna (upper left). - photo KC3MFJ



Adam, KC3MFJ, with his gear. Adam home-brewed a 80-meter dipole on site. - photo K3URT

Thank you for attending and participating in the 2023 HRAC Field Day!

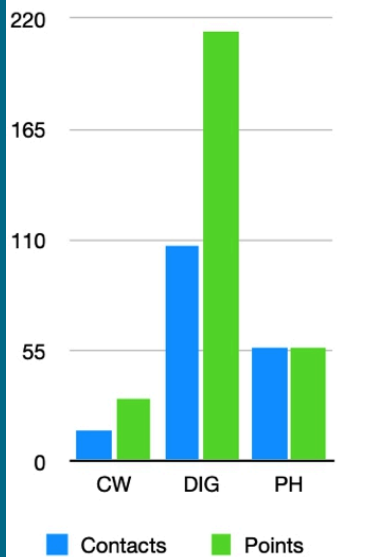
Despite two days of bad weather — space and terrestrial — bugs, heat, and humidity — all part of going to a weekend field environment. There were more positives than negatives: being outdoors, learning, sharing, testing gear, patience, camaraderie, eye-ball QSOs, and exercising our potential emergency skills.

Thanks to:

- ...visitors who took time out to see us in action.
- Central Penn College for allowing us to use their parking lot!
- **Steve, KC3VPJ** for contacting the College and obtaining permission and arrangements.

(Continued on page 8)

HRAC Field Day (from page 7)



	Contacts	Points
CW	16	32
DIG	107	214
PH	57	57
TOTAL	180	303

• **Terry, WB3BKN**, for hauling the trailer to and from the site plus the labor going into setup and teardown.

... the other special OMs (in callsign alphabetical order) behind the setup, tear down, behind the mikes and keyboards:

Geoff, AB3LS (a guest from outside the area);

Frank, K3FXA (also our Safety Officer);

Curt, K3URT (brought his own gear and was entirely solar and battery powered);

Chuck, KA1YSR;

Adam, KC3MFJ (brought his own gear and constructed an 80 meter dipole on site);

Alex, KC3SXJ;

Riley, KC3VYP (our youngest operator at age 15).

Also, Walt (sorry, missed the callsign), and probably missing some others — apologies!

Unofficial score: 303 points + Bonus (870) = 1173

Images from...



Harrisburg Radio Amateurs Club Firecracker Hamfest. Thanks Hamfest PA by Eric Cintron Ortiz, KN3M. https://youtu.be/_sYCaDhdFiA

Another great hamfest! The car lot came very close to full and turning away folks again. Folks came from every state in the mid-Atlantic area and more.

Seven hours on Friday, started the set-up for the event on Saturday. Despite rain and thunder in the early morning, the precipitation held back at general admission, and hundreds of amateurs descended upon the Grounds.

Thanks to these hams for the hard work put into this successful adventure (alphabetically by callsign): K3SWZ Glen Kurzenknabe for his availability as Card Checker; K3URT Curt Sanders*; KA1YSR Chuck Maletich*; KA3SGY Paul Matter*; KC3MFJ Adam Spangler*; KC3SXJ Alex Raimbault; KC3VPJ Steve Shoemaker; KG4CEB Anthony Hurkala — who jumped in to help with traffic; and WB3BKN Terry Snyder* — MC and who contributed his audio equipment and contacted many of the vendors. (*worked both days).



Lykens Valley Bison — a new food vendor for the Firecracker, served up delicious, high class cuisine. Visit them at: www.lykensvalleybison.com/



HRAC Firecracker
Hamfest is ARRL
sanctioned.



MEMBERSHIP ☐ APPLICATION or ☐ RENEWAL FORM



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. 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.

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

— **Membership end 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.** and the use of its repeater, W3UU.

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 available in portable document format (PDF) only, **via email**, so a valid, updated email address is important!

Join the Gang!