W3UU NEWSLETTER

— APRIL 2024 —

Club Officers:

PRESIDENT:
Terry Snyder, WB3BKN
WB3BKN1@gmail.com

VICE PRESIDENT:
Chuck Maletich, KA1YSR
ka1ysr@outlook.com

SECRETARY:
Frank Aponte, K3FXA
k3fxa@frankaponte.com

TREASURER:
Frank Aponte, K3FXA
k3fxa@frankaponte.com

LICENSE TRUSTEE:
David Dormer, KC3MG
dddormer@gmail.com
(non-elected position)

EQUIPMENT TRUSTEE:
Terry Snyder, WB3BKN
WB3BKN1@gmail.com

Committees:

WEBMASTER: W3UU.ORG
Rick Taylor, K2RBT
webmaster@w3uu.org

EMCOMM:
Robert Saber, K3RTS
k3rts1@gmail.com

MEMBERSHIP:
Tim Lehman, W4NKC
w4nkc.hv@gmail.com

NEWSLETTER EDITOR:
Curt Sanders, K3URT
newsletter@w3uu.org

ELMER TIME COORDINATOR:
Steve Shoemaker, KC3VPJ
steve7shoe@gmail.com

HAMFESTS & REPEATER:
Terry Snyder, WB3BKN
WB3BKN1@gmail.com

NET OPERATIONS:
Curt Sanders, K3URT
k3urt@w3uu.org

VE TEAM LEADER:
Tim Lehman, W4NKC
w4nkc.hv@gmail.com

QST: NEXT MEETING is **WEDNESDAY, 10TH APRIL**, 1830~2030L at the Vietnam Veterans of America Capital Chapter 542, 8000 Derry Street, Harrisburg.

All are welcome!

Elmer Time: **ODDITIES IN AMATEUR RADIO:** numbers, noise and non-sense. Sensing strange stuff on our radios.
— Presented by Steve, KC3VPJ.

TABLE OF CONTENTS:

ARRL 11
Club…
2024 Firecracker hamfest....7-8
Field Day 2024 9
Information.....2
Meeting Notice.....1
Membership App.....13
Minutes 6
News.....3
Volunteers.....1
Other:
Classes: Licensing.....5
Contesting et al.....5
Did You Know? 11
Elmer Time.....1, 3
EMCOMM 10
FCC Requires 2-Step 11
Ham History 2
Ham Radio Science 11
Licensing: HRAC VE 4, 5
Nets, Local Area 4
Swap & Shop 5
World Amateur Radio Day ..11
York Hamfest 12

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 2024:

April.....10th, club meeting.
.....20th, license testing (see page 4)
May.....10th, club meeting
June .....12th, club meeting
.....15th, license testing (see page 4)
.....22-23, **Field Day**!
July .....6th, **Firecracker Hamfest**.
August .....17th, license testing (see page 4**)**
September....11th, club meeting
October .....9th, club meeting
.....19th, license testing (see page 4)
.....26th, Ocktoberfest

"We love ham radio."

— 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/

DA FINE PRINT: The *W3UU Newsletter* of the Harrisburg Radio Amateurs Club Inc. (HRAC) is published monthly and is © 2024: 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 are verified a few days prior to publication.

HAM HISTORY
100 Years Ago This Month

International Amateur Radio Union Formed

THE S. S. BELGENLAND brought among her passengers Hiram Percy Maxim, prominent inventor and president of the American Radio Relay League. He has been absent from our shores for three months, during which time he has been studying radio conditions abroad.

During his stay on the other side he made it a point to visit radio amateurs in France and England, studying their methods of reception and transmission. The ban on the amateurs in these countries is gradually being lifted and amateur radio progress is making great strides. Amateurs in Europe carry on communication by the International Morse code, and practically no time is spent on voice communication, as American amateurs have been doing in the past. Some of the old stations still transmit by the old-fashioned spark system, but the continuous wave system is fast gaining favor.

Mr. Maxim brings back with him glad tidings for the amateurs of this country. While in Europe he conferred with representatives of various foreign countries and radio associations on the advisability of forming an international amateur radio union. He also investigated the possibility of an amateur radio relay league around the world. In both cases he has been successful.

James S. Caulfield, Harrisburg Telegraph, *5 April 1924, p. 2*

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? Overcome "mike fright" and gain operating experience. It's easier than you think!
Open to licensed HRAC members, the HRAC Weekly Net is held every Wednesday evening except the 2nd Wednesday of the month (club meeting night at 1830L).
If you are interested in serving as Net Control, contact Curt: K3URT@mac.com Get on the air! If we get a cohort of volunteers, the duty will be spread out on a rotating basis.

MEMBERSHIP MANAGER, Tim, W4NKC, reports:

(**please renew your membership today**).

HRAC Membership Stats

As of: Monday, April 1, 2024

Current HRAC Members: 60 ***Current ARRL Members:*** 37

% ARRL membership 61.7%

ELMER TIME coordinator **Steve, KC3VPJ**, is looking for folks to step forward to inform and educate. No experience is necessary! Contact: steve7shoe@gmail.com

---

W3UU REPEATER: The repeater took some beating from the wind storm of recent. But for more information, please see the **REPEATER COMMITTEE MINUTES** on page 6.

NEW WEBSITE LOOK! Our webmaster, **Rick, K3RBT**, moved to another hosting service and revamped the w3uu.org website into an uncomplicated design, but with all the information you need. Make a visit — and Rick is always open for suggestions.

Why You Should Join:

You have your license and your first radio. Or, you're an old-timer new to the area. Suppose you're not sure what to do next. In that case, the best thing is to join an amateur radio club where you will connect with experienced hams who can help you get more involved and on the air with a sometimes bewildering hobby of choices.

- ☑ You meet like-minded enthusiasts. Do you want to become a Ham? "Interview" amateur radio operators after a meeting. Join the community.
- ☑ You may find an Elmer to guide you in the hobby. Get practical help. If you are new to the hobby, it can be intimidating.
- ☑ Get help with a problem for a "how-do-I?"
- ☑ Learn the ham radio lingo. Every hobby has its' own language and culture.
- ☑ Learn new technologies, recent updates, and hands-on experiences from another amateur.
- ☑ HRAC is a general-purpose club: get a flavor of a variety of activities and operating modes.
- ☑ HRAC is made of folks from all walks of life: retirees, ministers, DJs, clerks, medical professionals, teachers, mechanics, etc. who have other hobbies as well: beekeeping, genealogy, history, gardening, outdoor life, and many others. Yes! We have other lives, too!
- ☑ HRAC participates in Winter Field Day, ARRL Field Day, and other activities. Operating supervision is often provided for the unlicensed during these events.
- ☑ HRAC has three major hamfests per year: Winter (January), Oktoberfest (October), and the Firecracker (July). Shop for gear and parts.
- ☑ HRAC is a Laurel VE affiliate - test for that upgrade!

QUA HRAC? ***Send to: newsletter@w3uu.org***

Deadline for the MAY newsletter submission is by end of business day, Wednesday, 1 May 2024.

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 net, LSB.
- 1000: 7.068 MHz, Mid-Atlantic NBEMS Training net,Thor22. https://groups.io/g/MidAtlanticNBEMS
- 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). (Also see page 10 for important update.)
- 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/?page_id=27. (Registrations can be made online up to the Friday before test date **by end of business day**.)

Testing is F R E E *

The next test session is
Saturday, 20 April 2024, 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.

February 17th test results:

We administered to four individuals five tests: four Technician, and one General; all passed. (Pending FCC approval and applicable fees paid.)

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

Steven, KA3PDQ	**Frank, KB3PQT**
Alex, KC3SXJ	**Curt, K3URT**
Tim, W4NKC	***(continued on page 5)***

LICENSE TESTING: HRAC LAUREL VE SCHEDULE FOR 2024

HRAC conducts testing in **February, April, June, August, October, December,** and other announced times. **Tim Lehman** is the Team Leader. See page 4 for more details. Dates for 2024:

~~Feb 17~~	Apr 20	Jun 15
Aug 17	Oct 19	Dec 21

NOTICE:

The current Extra Class exam question pool will *end* June 30, 2024, whereupon a new pool will be released July 1, 2024.

Amateur License *Classes on Zoom.*

The Westchester Emergency Communications Association **General** Class preparation class begins on Tuesday, **12 March 2024**, from 1900 to 2115 EST.

The class runs on Zoom for ten weeks.
https://drive.google.com/drive/folders/1_1X75dUj3Fw0sPohRBezSEbZed-RA6iHx

If you would like to upgrade to Amateur General, please contact Larrie Sutliff, W2UL, at education@WECA.org so you can ***register*** and receive additional information.

A FREE, weekly, live, licensing course on Zoom will begin on Thursday, **18 January 2024, through Thursday, March 28**. There will be 11 sessions. The 3-hour sessions will start at 1830L ET. Sessions will be recorded.

Those attending should hold (or be studying for) the General Class Amateur Radio License. These classes have been held for years sponsored by the National Electronics Museum.
Sign up email:
roland.anders@comcast.net.

— Thanks, Glenn, K3SWZ!

CONTESTING ET AL - APRIL

Popular for the month:

- PODXS 070 Club PSK 31 Flavors (6-7th)
- Solar Eclipse QSO Party (8th)
- World Amateur Radio Day (18-19th)
- 10-10 Spring Digital (27-28th)

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

✦***ContestCalendar.com*** www.contestcalendar.com/contestcal.html

✦ ***One-By-One special events (100 calls):*** www.1x1callsigns.org

- Solar Eclipse (17)
- Georgia QSO Party (14)
- Marconi Day (5)
- Missouri QSO Party (26)

✦ ***State QSO Parties (11):*** www.contestcalendar.com/stateparties.html

State QSO Party Challenge: stateqsoparty.com

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

✦ ***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)*** annual ranking; 2023 is available at: warca.org/22-23

✦***DX news.com***

The PA QSO Party 2023 results are in!

Certificates awarded to:

Dauphin County:

- **WB3JIS,** SO LP SSB
- **KC3NNO,** SO HP Mixed
- **K3URT,** SO LP Mixed (#1 for county score)
- **KD3MAD,** Portable SO LP

Cumberland County:

- **W3SOX,** SO HP SSB
- **W3ETO,** SO LP SSB
- **WA3KCP,** SO HP Mixed
- **W3KB,** SO LP Mixed (#1 for county score)

LEGEND:
Mixed = CW and SSB
SO = Single operator
LP = Low power (under 100 watts)
HP = High power (over 100 watts)

For more information:
https://paqso.org/party-results.html

NOTE: by worldwide "gentleman's agreement," there is never any contesting on the: 60, 30, 17, and 12 meter bands!

QSL Bureau: US 3rd Call Area

The National Capitol DX Association is the 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 is your card sorter, and for additional information!

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.

W3UU The Harrisburg Radio Amateurs Club, Inc.

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

MINUTES OF THE MARCH 13, 2024 MEETING

MEETING CALL TO ORDER:
The Wednesday, March 13, 2024, meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1832L by the President, Terry [WB3BKN], at the Vietnam Veterans of America Post 542, 8000 Derry St, Harrisburg, PA 17111.

INTRODUCTIONS:
15 individuals were present and introduced themselves by name and callsign.

SECRETARY'S REPORT:
January 2024 Minutes were opened for comments, questions, and corrections. Motion to Accept the Secretary's Report as published in the February 2024 Newsletter and one corrected date by Curt [K3URT] and seconded by Chuck [KA1YSR]. The attending membership approved the Meeting Minutes by voice vote.

TREASURER'S REPORT:
Frank [K3FXA] presented the Treasurer's Reports for January and February 2024 as well as the accounting for the Winter Hamfest in January. Motion to Accept the Treasurer's Report by Curt [K3URT] and seconded by Allen [KC3YMK]. The attending membership approved the Treasurer's Reports by voice vote.

LICENSE TRUSTEE REPORT:
Dave [KC3MG] was unable to attend. Terry [WB3BKN] reported that there have been no complaints filed with the FCC.

EQUIPMENT TRUSTEE REPORT:
Terry [WB3BKN] reported that there are no changes to the equipment from last month.

LAUREL VE COMMITTEE:
Lead VE Tim [W4NKC] reported that the next testing date is Saturday, April 20, 2024 at 0900L and that individuals must register by end-of-day the Friday before. Please arrive by 0830L to get checked in so that testing can start promptly at 0900L. The testing location is the Vietnam Veterans of America Post 542, 8000 Derry St, Harrisburg, PA 17111.

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

Open discussion about the state of the club's Repeater Controller and Duplexer. A filter was added to narrow the receiving band to cut out a lot of the radio pressure from the other transceivers at the site. Adding the filter did not help as much as expected. After further testing and investigation, it appears that the Duplexer is not working consistently. The club has access to a Duplexer that can be installed so that ours can be evaluated to determine if it can be repaired or if it needs to be replaced.

Regarding the Repeater Controller, the time is now correct (maybe the one good thing about switching to DST?), but as it ages and becomes harder to find the solid-state parts needed to keep it in operation, the club may consider replacing it. More conversation to follow on that.

MEMBERSHIP COMMITTEE:
Membership Chair Tim [W4NKC] reported that we continue to receive membership renewals as well as new members (as recently as meeting night). Up to date membership information will be reported in the April 2024 Newsletter. Reminder to renew your memberships for 2024 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, April 3, 2024. Please send newsletter articles to newsletter@w3uu.org.

WEB PAGE COMMITTEE:
Rick [K2RBT] was able to find a more affordable and reliable web site host and was unable to attend as he was transferring the website to the new host. By the end of Elmer Time, the landing page was live. More to come!

EMERGENCY COMMUNICATIONS:
- 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, March 28, 2024 at the Lower Paxton Township Building, 425 Prince St, Harrisburg.

ELMER TIME:
Elmer Time Coordinator Steve [KC3VPJ] is looking for topics that we can match up with our experienced HAMs to present on. Tonight's Elmer Time Topic was on what frequencies to have in your 2m / 220MHz / 440MHz radios and why. Also, we discussed why anyone would steal a broadcast tower (the pictures presented showed how much copper they are made from) presented by Terry [WB3BKN].

We are still looking for an Elmer for the April 2024 club meeting. Please contact Steve [KC3VPJ] to volunteer.

UPCOMING HAMFESTS:
The next Hamfest for the club will be the Firecracker Hamfest on July 6, 2024. Please contact Terry [WB3BKN] to volunteer.

OLD & NEW CLUB BUSINESS:
No Old or New Business.

FOR THE GOOD OF THE CLUB:
No topics were presented for discussion.

FIELD DAY 2024:
ARRL Field Day will be held June 22-23, 2024. Preparations are starting now. If you would like to participate with the club, please contact Steve [KC3VPJ].

ADJOURNMENT:
A motion to adjourn by Tim [W4NKC] and seconded by Joe [W3JPH]. The business meeting closed at 1903L with approval by all attendees by voice vote.

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.*

FCC club station license rule Title 47, Section 97.5: "The club must be composed of at least four persons and must have a name, a document of organization, management, and a primary purpose devoted to amateur service activities consistent with this part." In addition, the document of organization must be kept in the club's records and made available to the FCC upon request.

W3UU - Harrisburg Radio Amateurs' Club 53rd Annual

Saturday, July 6, 2024

FIRECRACKER

Electronics Expo and Hamfest

Harrisburg Postal Employees Picnic Grounds
1500 Roberts Valley Road
Harrisburg, PA 17110

Map on Back

- Covered Pavilion and Picnic Tables Available
- Largest Tail Gate Electronic Flea Market in Central PA
- Hundreds of tailgate spaces available
- New and refurbished equipment dealers on site
- Check for updated list of vendors at http://www.w3uu.org
- ARRL Sanctioned Hamfest
- Great Food (Breakfast and Lunch)
- Meeting areas available for clubs and discussions (must Pre-Register)
- DXCC/WAS/VUCC QSL Card checking on site

General Admission: $7.00 per person
Tail Gating: $8.00 per space
Tables: $15.00
NO Advance Sale Tickets

Talk-in 147.075 (PL 123 Hz)

General Admission: 8:00 AM
Dealer Setup: Friday 3:00 PM, Hamfest Day 6:00 AM
NO overnight camping without previous authorization.

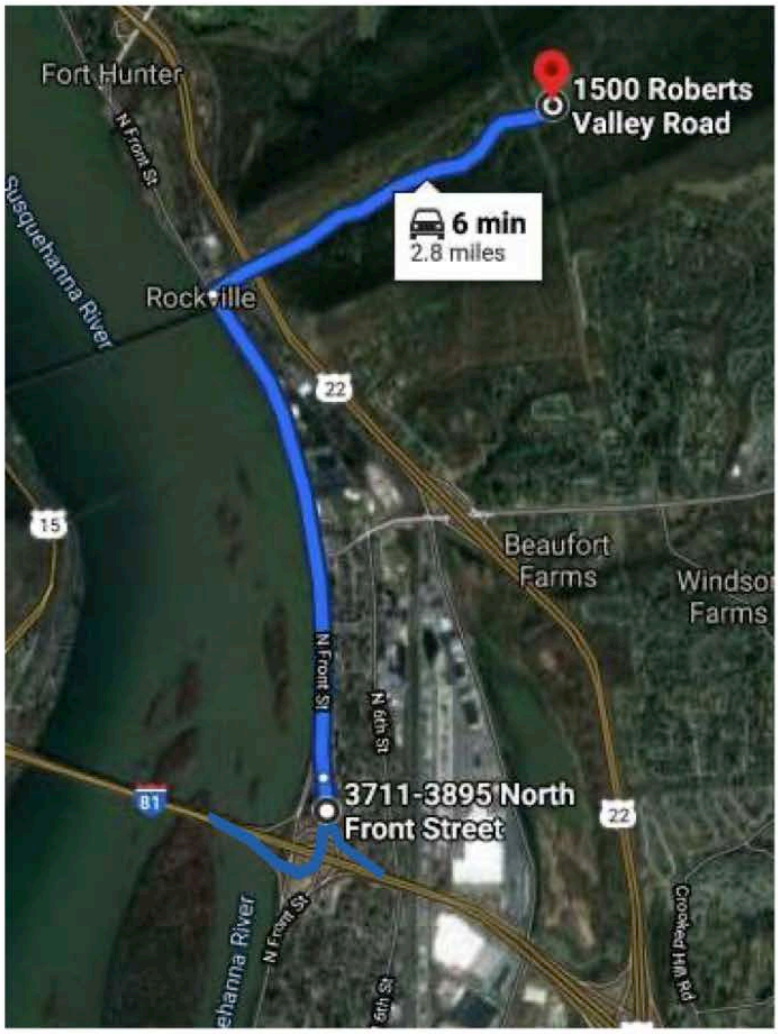
For further information contact:

Terry Snyder (WB3BKN)
PO Box 355
Halifax, PA
717-979-9515
WB3BKN1@gmail.com

Web Site: www.w3uu.org

Directions to the **Harrisburg Postal Employees Picnic Grounds** and Hamfest from Rt. I-81:
Located just north of Harrisburg, Pa.
Rt. I-81 to Exit 66 (Follow signs to North Front Street)
Continue straight on North Front Street for 1.6 miles
Turn right onto Roberts Valley Road
Hamfest / Convention is 1.2 miles on LEFT.
1500 Roberts Valley Road, Harrisburg, Pa 17110
The blue path on the map shows going from I-81, Exit 66

Scan QR Code above with smart phone and it will open Google Maps.



From US-322E/US-22E and points north:
Take the exit toward PA-443/Fishing Creek/Rockville
Continue onto North Front St/River Rd.
Continue straight on North Front Street for 1.5 miles
Turn LEFT onto Roberts Valley Road
Hamfest / Convention is 1.2 miles on LEFT.
1500 Roberts Valley Road, Harrisburg, Pa 17110

Mapping/APRS Coordinates
Hamfest: 40.34420,-76.88495

HARRISBURG RADIO AMATEURS CLUB
2024 FIELD DAY — W3UU

WHEN? June 22-23, 2024 • 1400 ET Saturday to 1659 ET Sunday*
WHERE? Parking lot F at the Central Penn College, Valley Road, Summerdale, Cumberland County, PA.
CONTACT: Steve Shoemaker, KC3VPJ, steve7shoe@gmail.com

* times may vary with conditions.

— 77 years service to the Capitol of Pennsylvania —

E M C O M M :

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, at the Lower Paxton Township Building, 425 Prince St., Harrisburg, PA 17109. The next meeting is 25 April. [subject to change]**

CONTACT:

- ☑ k3rts1@gmail.com
- ☑ ares.harrisburgpa@gmail.com
- ☑ **Dauphin County ARES Training Net:** every Monday at 1900L on 145.110 (W3ND, PL 131.8; emergency alternative: W3ND, 448.075, PL 123.0).
- ☑ **Facebook**: www.facebook.com/profile.php?id=100067020090800
- ☑ **YouTube channel**: www.youtube.com/@dauphincountyares-races1195

The New Red Cross Emcomm Stations in Pennsylvania

The 16 March event was a success! The American Red Cross Emergency Communication Station (ARCECS), Pennsylvania, operated across the state with 10 amateur stations. Locally, the W3ND repeater on 145.110 MHz was utilized from 1300 to 1600L. The ARCECS Harrisburg Outreach used the callsign KC3WQM.

Dauphin County ARES/RACES participated. An ICS 214 Activity Log was shared with the DC ARES and the report had 32 check-ins.

RCECS operators were: Richard Johnson (N3EPY), lead; Charlene Cash (WG3Q); and James Woof (N3ZS).

WINLINK THURSDAYS:

Test your EmComm skills with these once-a-month ICS exercises, usually on the 3rd Thursdays of the month. Sign-up at emcomm-training.org

Not a user of WinLink? Sign-up at www.winlink.org

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

SKYWARN™

Learn more about SkyWarn at: www.weather.gov/SKYWARN

The Central Pennsylvania SkyWarn Group net is every Wednesday at 2100L on the W3ND 145.110 MHz repeater: 31.8 Hz Tone. Central Pennsylvania SkyWarn™

March thru September is severe weather season for Pennsylvania.

NEXT SPOTTER TRAINING: 1800-2000L, Monday, **15 April**, at 2 E. Main St., New Bloomfield PA 17068 (Perry County). If attending ***virtually***, you must register: Jonathan Guseman. No registration if in person. For other registrations: www.weather.gov/ctp/SpotterTalks

Virtual Sessions:

- Basic: Monday, **6 May**, 6-8 PM ET.
- Advanced: Tuesday, **7 May**, 6-8 PM ET.

NATIONAL TRAFFIC SYSTEM, NTS 2.0: "The National Traffic System (NTS) is an organized network of amateur radio operators sponsored by the American Radio Relay League for the purpose of relaying messages throughout the U.S. and Canada." See https://nts2.arrl.org/ for more information.

EPA Section Traffic Manager is Tom Inman, KC8T.

NET	FREQUENCY	TIME
EPA Emergency Phone & Traffic Net	3918 kHz	1700 ET Daily
WPA Emergency Phone & Traffic Net	3918 kHz	1730 ET Daily
Pennsylvania Traffic Net (CW)	3585 kHz	1900 ET Daily

"AccuWeather is sounding alarm bells for a supercharged **2024 Atlantic hurricane season**. — Months before the official start of the 2024 Atlantic Hurricane Season the news is not good. And that's even before the National Hurricane Center, AccuWeather and Colorado State University have issued their first, early predictions for what the season will hold. The reasons are twofold: the return of La Niña and record high ocean temperatures. 'Neither are good news when it comes to hurricanes and especially not when they work together; ocean temperatures in February are already as warm as they historically have been in mid-July,' said Jon Porter, AccuWeather chief meteorologist. 'That's a big concern.'" — *FEMA Disaster Emergency Communications News Clippings and Topics of Interest* Vol. 14, Issue 4, February 16-29, 2024

FCC to Require Two Factor Authentication for CORES Users

"The Federal Communications Commission (FCC) has announced an up-coming change to the Commission Registration System (CORES) that licensees use to pay any application or regulatory fees, manage or reset a password on an existing FRN, or request a new FRN. Beginning March 29, 2024, multifactor authentication will be implemented.

Users will be prompted to request a six-digit secondary verification code, which will be sent to the email address(es) associated with each username. The user will then need to enter the code into CORES before they can continue.

In a public notice, the FCC said this change will make the system more secure. 'This additional layer of security will further safeguard against unauthorized access, thereby enhancing the overall integrity of information contained within the CORES system and improving the security of user data,' it read.

The Public Notice can be found in PDF format at, docs.fcc.gov/public/attachments/DA-24-219A1.pdf .

The FCC recommends that users confirm they have access to their username account email and to add a secondary email address, if need be.

Resources are available for those who need assistance with the system. For inquiries or assistance regarding the implementation of multifactor authentication on CORES, submit a help request at www.fcc.gov/wtbhelp, or call the FCC at 877-480-3201 (Monday through Friday, 8 AM to 6 PM ET)." — *ARRL Bulletin 7, ARLB007, Newington, CT, 22 March 2024*

Who: All amateur radio operators worldwide
When: Tuesday, April 18, 2024 at 0000 UTC until Wednesday, April 19, 2024 at 0000 UTC
Where: A global event covering all regions of the International Amateur Radio Union (IARU)
Why: World Amateur Radio Day, held on April 18 each year, is celebrated worldwide by radio amateurs and their national associations which are organized as member-societies of the International Amateur Radio Union (IARU). It was on this day in 1925 that the IARU was formed in Paris. American Radio Relay League (ARRL) Co-Founder Hiram Percy Maxim was its first president.
https://www.iaru-r2.org/en/on-the-air/world-amateur-radio-day/

Ham Radio Science Citizen Investigation (HamSCI) Solar Eclipse-Focused Operating Events

A total solar eclipse that will be seen across North America will occur on **Monday, April 8**. It will be the last of its kind in the US for the next 20 years.

Hams across North America are asked to participate in a study about how the ionosphere functions by getting on the air to help scientists in a series of ionospheric experiments.

— *FEMA Disaster Emergency Communications News Clippings and Topics of Interest*, Vol. 14, Issue 5, March 1-15, 2024.

- www.arrl.org/news/solar-eclipse-one-month-away
- Solar Eclipse QSO Party (SEQP) - hamsci.org/seqp-faqs/

ARRL:

ARRL Eastern Pennsylvania (EPA) Section

epa-arrl.org

Bob Wilson, W3BIG, Section Manager

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

The March 2024 issue of "Signals" is available at: https://epa-arrl.org/wp-content/uploads/2024/02/Signals-MAR-2024.pdf

ARRL Atlantic Division

www.atldiv.org

Bob Famiglio, K3RF, Director

Did You Know?

Pennsylvania's licensed amateur radio operators:

2,669 .....Novice	10,540.....Technician	6,301.....General
1,261 .....Advanced	5,600.....Extra	**Total**: **23,968**.

— www.arrl.org/fcc-license-counts *as of 30 March 2024.*

A steady decline is noted.

ANNOUNCING THE

2024 YORK HAMFEST

Sponsored by the York Hamfest Foundation
One of the Area's Oldest Hamfests, our 68th Year

SATURDAY, APRIL 27, 2024
8:00 AM TO 1:00 PM

ELICKER'S GROVE PARK
511 Roth Church Rd
Spring Grove, PA 17362
Easy access from York, PA or Hanover, PA

PLENTY OF FREE PARKING!

TAILGATING AND LIMITED UNDER COVER SPACES

- **TAILGATING SET UP AT 6 AM SATURDAY MORNING**: $10 per 10' space (outside) or table (pavilion), $5 for each additional space, plus admission
- **GENERAL ADMISSION AT 8 AM**
  - $7 per person
  - Children Under 16 FREE when accompanied by an adult
  - Unlicensed Spouses FREE
- **RAIN OR SHINE**
- **COMMERCIAL VENDORS ARE EXPECTED TO COLLECT & REMIT PA SALES TAX**
- **FREE VE TEST** – Registration starts at 10:30 AM – Testing at 11:00 AM
(Admission fees paid can be refunded upon registration for testing, full ticket and stub are required)
- **FOOD VENDOR WILL BE AVAILABLE**
- **CARD CHECKING FOR DXCC/WAS/VUCC/WAC**
- **DOOR PRIZES** (Don't have to be present to win grand prize)
- **FLUSH TYPE BATHROOMS ARE BACK**
- **VENDORS ARE NOT ALLOWED ON PREMISES PRIOR TO 5:00 PM FRIDAY THE 26th**

CHECK OUR WEBSITE FOR UPDATES: www.yorkhamfest.org
FOR GENERAL INFORMATION: duane.sterner@yahoo.com

TALK IN: W3MUM Repeater 147.330+600 PL:123.0
ALTERNATE: 146.580 Simplex

— HARRISBURG RADIO AMATEURS CLUB —

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!