



W3UU NEWSLETTER

— SEPTEMBER 2024 —

Club Officers:

PRESIDENT:
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WB3BKN1@gmail.com

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ka1ysr@outlook.com

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k3fxa@frankaponte.com

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(appointed position)

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w4nkc.hv@gmail.com

NEWSLETTER EDITOR:
WANTED

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

HAMFESTS & REPEATER:
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WB3BKN1@gmail.com

NET OPERATIONS:
Curt Sanders, K3URT
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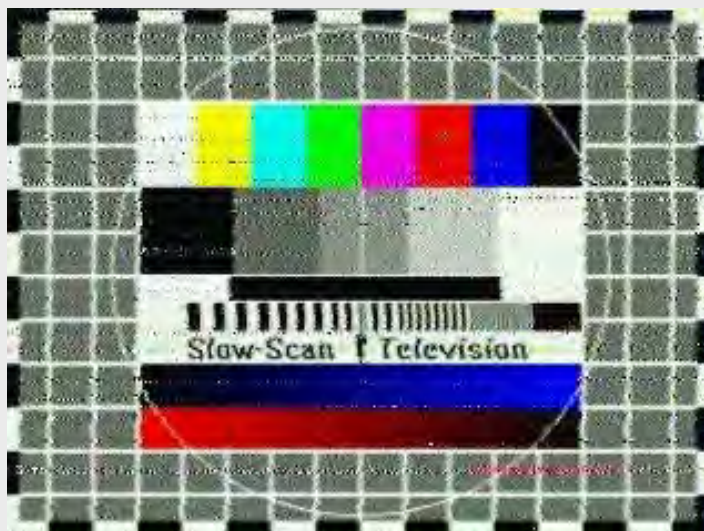
VE TEAM LEADER:
Tim Lehman, W4NKC
w4nkc.hv@gmail.com

QST:

MEETING: **WEDNESDAY, SEPTEMBER 11TH**, 1830~2030L at the Vietnam Veterans of America Capital

Chapter 542, 8000 Derry Street, Harrisburg. Business meeting at 1830, followed by **ELMER TIME**:

— Amateur Slow Scan TV —



What is SSTV? Ever wonder what those strange noises are around 14.235 MHz? What you need to operate — it's easier than you think!

Presentation by Frank, K3FXA

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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 **Winter-Fest** in January is an indoor tailgate fest.

HRAC Club calendar 2024:

- September**11th, club meeting
- October**9th, club meeting
.....19th, license testing (see page 4)
.....26th, Oktoberfest
- November**13th, club meeting
- December**11th, club meeting - ELECTIONS
.....21st, license testing (see page 4)
- January**11th; Winter Hamfest
.....25-26th; Winter Field Day
- February**12th, Ham of the Year Dinner



"We love ham radio."

HAM HISTORY
100 Years Ago This Month

High Tension Line
Blamed for Radio Buzz

R. Y. Cadmus and G. E. Sterling, Government radio experts, left this city this morning after a two-day investigation during which they discovered that Harrisburg's radio troubles center about a high tension line running from Maclay street to Speeceville.

Before the two inspectors left they were warmly thanked by Representative Frank C. Sites, through whose efforts they were brought to this city; Alexander Kassnar, director of Station WABB, and other radio enthusiasts for their investigation work.

Because of the fact that the interference was almost negligible during the visit of the two experts here, it was impossible to trace the radio trouble to its ultimate source. The local enthusiasts, however, now have sufficient data on hand to trace the trouble the moment it recurs.

The [Harrisburg] Evening News,
17 September 1924, p. 2.

— 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 are verified a few days prior to publication.

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: our total renewals for 2024 so far are 63 members with 38 being ARRL members (60.3%). With more than 50% of our members also being ARRL members, we remain an ARRL Affiliated Club.

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

NEW WEBSITE LOOK! Our webmaster, **Rick, K3RBT**, moved to another hosting service and revamped the w3u-u.org website into an uncomplicated design, but with all the information you need. Make a visit — and Rick is always open for suggestions.

NEW REPEATER: Terry, WB3BKN, of HRAC’s Repeater Committee, has announced the W3UU 146.760 repeater has made important future and new changes. 1) A move to Reeser’s Summit — which will be free of past interference crowding, with a new 4-bay antenna sitting atop a 90 foot tower. 2) A new rig having higher power and emergency power backup all with the latest robust technologies. Terry says it will be a seamless transfer - no changes to PL Tone - no user programming changes.

NEWSLETTER EDITOR WANTED! **Curt, K3URT**, is hanging up hat and pen after over three years as editor. Other pressing activities are calling him. Please inquire to the Club President, Terry Snyder, WB3BKN at wb3bkn1@gmail.com if you are interested in becoming the new editor. Curt will happily assist in getting setup (k3urt@mac.com). His last editor stint will be this September 2024 issue.



**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!



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, Northampton, 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

www.arrl.org

The National Association for Amateur Radio®
Tel: 1-860-594-0200 | Fax: 1-860-594-0259
Toll-free: 1-888-277-5289 • hq@arrl.org

QUA HRAC? *Send to: [to be decided].*

Deadline for the October newsletter submission is by end of business day, [to be decided].

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.
- ◆ 1930: @147.120 MHz, 100.0 Hz Tone, FM, **Cumberland Valley Amateur Radio Club**, W3ACH.
- ◆ 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.
- ◆ 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. **NOTICE: ONLINE REGISTRATION ONLY**; we cannot accept walk-in requests. Registrations should be made on or before the Wednesday of the test date. For October, that is registration **on or before October 16th by 1800L, for the 19 October 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/?page_id=27.

Testing is FREE

The next test session is Saturday, 19 October 2024, at: Harrisburg Vietnam Veterans of America, 8000 Derry St., Harrisburg, PA promptly beginning at 0900L. (It is suggested that testees arrive between 0830-0900.)

HRAC conducts testing in February, April, June, August, October, December, and other announced times. Dates for 2024:

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

August 17th test results:

We administered two Technician, and two General tests. All passed.

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

- Frank, KB3PQT** **George, AC3EA**
- Curt, K3URT** **Tim, W4NKC**

Contesting et al - September

Summer is over

Popular for the month:

- PODXS 070 Club Jay Hudak Memorial 80m Sprint (7-8th).
- ARRL VHF (14-16th).
- CQ Worldwide RTTY DX (28-29th).

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

◆ **ContestCalendar.com**

www.contestcalendar.com/contestcal.html

◆ **One-By-One special events:** www.1x1callsigns.org (117)

- Route 66 (7-15th); **23**.
 - 3905 Century Club 47th Anniversary Eyeball (10-14th); **16**.
 - Celebrating The 85th Birthday Of The US Coast Guard Auxiliary (14-17th); **12**.
 - 100th Anniversary Of Fair Lawn NJ (21-29th); **5**.
- And many more!*

◆ **State QSO Parties (7):**

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; 2023-2024 is available at: warca.org/22-23

◆ **DX news.com**

◆ **Pennsylvania QSO Party** (12-13 October) has announced this year's bonus station: N3LL operated by the Steel City ARC, located near Pittsburgh. They have six HF and one VHF/UHF stations for the contest.

NOTE: by worldwide "gentleman's agreement," there is never any contesting on the 60, 30, 17, and 12 meter bands! (Some special event stations are an exception.)

OTHER SELECT NEWSWORTHY NEWS...

- A QSL CARD REVIVAL FOR THE 21ST CENTURY
<https://hamradiooutsidethebox.ca/2024/04/25/a-qs-l-card-revival-for-the-21st-century/>
- YAESU, ICOM & KENWOOD FEATURE NEW TRANSCEIVERS AT HAM FAIR JAPAN
 - Yaesu FTX-1F (FT-818ND successor).
 - Icom IC-7760. Promises to be the new \$\$ flagship rig.
 - Kenwood. A new mobile rig.
- U.S. NATIONAL SCIENCE FOUNDATION NATIONAL RADIO ASTRONOMY OBSERVATORY (NSF NRAO) is now offering self-paced **amateur radio license study courses** for both the **Technician** and **General** class licenses.
<https://superknova.org/lms-introduction/>
- STEALTH HAM RADIO ANTENNA THE HOA WILL NEVER FIND.
https://youtu.be/IjWJ_byOD0A?si=QS7sAIRsSZcVTEf4
- DIY MOXON/YAGI ANTENNA FOR HAM RADIO SATELLITE QSOs: BUILD ONE FOR UNDER \$100!
<https://youtu.be/gJ2kgCTHqCo?si=2SVvl-3sDDwGCgRH>
- ARRL URGES PROTECTING THE AMATEUR RADIO 902-928 MHZ BAND. **PROTECT OUR PRIVILEGES.**
<https://www.arrl.org/news/view/arrl-urges-protecting-the-amateur-radio-902-928-mhz-band>
- AN INTRODUCTION TO THE 1.25 METER BAND.
<https://n4dtf.com.trentflemingoutdoors.com/2024/08/an-introduction-to-125-meter-band.html>

Pennsylvania's licensed amateur radio operators:

Novice: 247 Technician: 10,395 General: 6,158 Advanced: 1,210 Extra: 5,622 **TOTAL: 23,632**
— www.arrl.org/fcc-license-counts as of 1 September 2024.

W3UU The Harrisburg Radio Amateurs Club, Inc.
President – Terry [WB3BKN], Vice-President – Chuck [KA1YSR]



MINUTES OF THE AUGUST 14, 2024 MEETING

MEETING CALL TO ORDER:

The Wednesday, August 14, 2024, meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1831L by the President, Terry [WB3BKN], at the Vietnam Veterans of America Post 542, 8000 Derry St, Harrisburg, PA 17111.

INTRODUCTIONS:

16 individuals were present and introduced themselves by name and callsign.

SECRETARY'S REPORT:

July 2024 Minutes were opened for comments, questions, and corrections. Motion to Accept the July 2024 Secretary's Report as published in the August 2024 Newsletter by Paul [KA3SGY] and seconded by Tim [W4NKC]. The attending membership approved the Meeting Minutes by voice vote.

TREASURER'S REPORT:

Frank [K3FXA] presented the Treasurer's Report for July 2024. Motion to Accept the Treasurer's Report by Chuck [KA1YSR] and seconded by Paul [KA3SGY]. The attending membership approved the Treasurer's Reports by voice vote.

LICENSE TRUSTEE REPORT:

Dave [KC3MG] 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, August 17, 2024 at 0900L and that individuals must register by 1800L on August 14, 2024. Please arrive by 0830L on test day 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. We have two sign-ups so far.

REPEATER COMMITTEE:

Terry [WB3BKN] reported that there will be some changes soon with the W3UU repeater. The club has found a new location for a repeater and new equipment. We have not confirmed whether or not a Duplexer is currently part of the deal, but that will be confirmed soon. Terry also has a UHF repeater in Newport that will eventually be linked to the current W3UU 146.760 repeater.

MEMBERSHIP COMMITTEE:

Membership Chair Tim [W4NKC] reported that our total renewals for 2024 so far are 63 members with 38 being ARRL members (60.3%). With more than 50% of our members also being ARRL members, we remain an ARRL Affiliated Club.

NEWSLETTER COMMITTEE:

Curt [K3URT] reported that the next newsletter article deadline is by the close of business, Wednesday, September 4, 2024. Please send newsletter articles to k3urt@mac.com. The September Newsletter will be Curt's last newsletter as editor Thank you Curt for more than three years of service.

If you are interested in being the new editor for the HRAC's newsletter, please let Terry [WB3BKN] know. Curt is happy to help get the new editor set up.

WEB PAGE COMMITTEE:

Web site is up and running. Please send ideas to Webmaster Rick [K2RBT].

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, September 26, 2024 at the Lower Paxton Township Building, 425 Prince St, Harrisburg.

ELMER TIME:

Tonight's Elmer Time Topic, presented by Steve [KC3VPJ], was about how to get young folks into Amateur Radio. After an interesting presentation, the club had a great discussion full of ideas.

Elmer Time Coordinator Steve [KC3VPJ] is always looking for topics that we can match up with our experienced HAMs to present on.

September's Elmer Time will be a presentation on Slow Scan TV (SSTV) or "How to send Dinosaur Memes with your Radio" by Frank [K3FXA].

WINTER FIELD DAY 2025:

The dates have been set for Winter Field Day 2025. The event will be January

25-26 and will once again be located at Central Penn College.

UPCOMING HAMFESTS:

- ♦ Octoberfest Hamfest will be held on October 26, 2024. Volunteers are asked to arrive at 0500L for setup, doors open at 0600L with an end time of 1100L in order to be out of the VVA Bingo Hall by 1200L.
- ♦ Winterfest Hamfest will be held on January 11, 2025. More information to follow.

OLD CLUB BUSINESS:

New Field Laptop has arrived and has been updated and contact logging software has been installed. Frank [K3FXA] brought it in for everyone to get a look at it.

NEW CLUB BUSINESS:

Selected date for Winterfest Hamfest 2025 and reviewed dates for Winter Field Day 2025.

FOR THE GOOD OF THE CLUB:

Nothing to report.

ADJOURNMENT:

A motion to adjourn by Tim [W4NKC] and seconded by Paul [KA3SGY]. The business meeting closed at 1913L 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 OktoberFest

Saturday October 26th, 2024

OKTOBERFEST

Electronics Expo and Hamfest



Vietnam Veterans of America

8000 Derry Street

Harrisburg, PA 17111

7:00 am to 11:00 am

- 🎃 Admission **\$5.00** per person
- 🎃 Sellers can **tailgate in parking lot or have table(s) inside;**
- 🎃 **Tables inside - \$5.00 each.**
- 🎃 **Tailgate spot - \$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
717-979-9515
PO BOX 355
Halifax, PA 17032

WB3BKN1@gmail.com

Web Site: www.w3uu.org



*** Save the Date! – W3UU WinterFest is January 11, 2025**

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, at the Lower Paxton Township Building, 425 Prince St., Harrisburg, PA 17109. Next meeting is 26 September.** [subject to change - subscribe to the email sub.]

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

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

- ☑ The August Winlink exercise was using a basic form.

Not a user of WinLink? Sign-up at www.winlink.org It's free and so is the software!

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



September is National Preparedness Month.
<https://www.ready.gov>

The ARRL Simulated Emergency Test (SET) is coming this fall.

This nationwide exercise is the chance to test your personal emergency-operating skills and the readiness of your communications equipment and accessories in a simulated emergency-like deployment.

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™](https://www.weather.gov/SKYWARN) and CPSG@groups.io, Central Pennsylvania Skywarn Group.

March thru September is severe weather season for Pennsylvania.

NEXT SPOTTER TRAINING:

You must register for these Virtual Sessions. Nothing locally is scheduled for September at publication time.

June thru November is Atlantic Hurricane Season

- ☑ Develop an evacuation plan.
- ☑ Assemble disaster supplies: food, water, batteries, charger, radio, cash, identification.
- ☑ Get an insurance checkup and document your possessions.
- ☑ Create a communication plan with a hand-written list of contacts.
- ☑ Strengthen your home. — www.noaa.gov/prepare-before-hurricane-season

NOAA's outlook (1 June to 30 November) predicts an 85% chance of above normal season; forecasting 17 to 25 possible *named* storms!



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

— 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!