



# W3UU NEWSLETTER

— AUGUST 2021 —

## Club Officers:

### PRESIDENT:

Zach Bare, W3ZTB  
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### VICE PRESIDENT:

Robert Saber, K3RTS  
[rtsaber@yahoo.com](mailto:rtsaber@yahoo.com)

### SECRETARY:

Steven Gobat, KA3PDQ  
[ka3pdq@juno.com](mailto:ka3pdq@juno.com)

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[DDDormer@gmail.com](mailto:DDDormer@gmail.com)

### EQUIPMENT TRUSTEE:

Terry Snyder, WB3BKN  
[WB3BKN@djterry.com](mailto:WB3BKN@djterry.com)

## Committees:

### WEBMASTER: [W3UU.ORG](http://W3UU.ORG)

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[WB3BKN@djterry.com](mailto:WB3BKN@djterry.com)

### NET OPERATIONS:

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### LAUREL VE:

Steven Gobat, KA3PDQ  
[ka3pdq@juno.com](mailto:ka3pdq@juno.com)

**NEXT MEETING is Wednesday, 11 August.** HRAC meets the second Wednesday of the each month with "Ham 101" education at 1830L, business meeting at 1900L at the Harrisburg Vietnam Veterans of America Chapter 542, 8000 Derry Street, Harrisburg, Pennsylvania 17111.



Congratulations, **Thomas Shingara, KA3TKW**, awarded the Wouff-Hong presented to him by ARRL Volunteer Monitor Administrator **Riley Hollingsworth, K4ZDH**, at the HRAC Firecracker/Convention. —*Photograph by Terry Snyder, WB3BKN.*

**What is Wouff-Hong?** *On All Bands: An Amateur Radio Blog* by DX Engineering quotes page 11 of the 1930 *Radio Amateur's Handbook*: "The Wouff-Hong is amateur radio's most sacred symbol and stands for the enforcement of law and order in amateur operation." <https://www.onallbands.com/what-is-a-the-wouff-hong/>

An earlier mention of the ARRL "charm" as Hiram Maxim Percy called it, was after the Chicago Convention in 1920. — "Maxim And Warner Back From Meeting of Wireless Fans." 8 September 1920, *Harford [Connecticut] Courant*, p. 11.

"The word is believed to have originated with the 'Old Man,' for years a contributor to the amateur magazine 'QST,' but whose real identity and general status in amateur radio has never been revealed.

One story has it that the 'Wouff-Hong' is an instrument used to eliminate interference by annihilation of those who are over zealous in their use of the ether. ...

'Wouff-Hong' [had] its beginning at an amateur convention in Flint, Michigan, at which time several hundred candidates were initiated." — "Wouff-Hong Order To Hold Initiation At Meeting In Chicago." *The [Louisville, Kentucky,] Courier-Journal*, 12 August 1923, p. 8.



**T**he 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 two 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: The well attended **WinterFest** in January is an indoor tailgate fest.

## UPCOMING CLUB EVENTS FOR 2021:

### August:

- 3rd: National Night Out (see below).
- 21st: License testing, (see below and website for details).

### September:

**October:** License testing.

### November:

**December:** "Cookie Exchange Night" Club meeting • License testing • Elections.

**January 2022:** HRAC WinterFest.

Please consider stepping up to make a presentation during one of the meetings' "Ham 101." Everyone has expertise in something and can bring something to the table. Do more than consider, DO it.



**HRAC** will be participating in the **Derry Township's National Night Out** on Tuesday, **3 August**, in Hershey, 1800 until 2000L. We will be discussing and demonstrating the community service that amateur radio provides.

Please contact **Bob, K3RTS**, or **Terry, WB3BKN**, to participate.

Check out [Derry Township PD's FaceBook](#) for more general information.

## 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/](http://www.w3uu.org/license-exams/).

—The next test session is scheduled for **21 August 2021**, at the **Harrisburg Vietnam Veterans of America Chapter #542**, 8000 **Derry St., Harrisburg**, promptly beginning at **0900L**.

## July 14, 2021 Meeting Minutes

The July 14, 2021 meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1858 HRS by the Vice President, Robert (K3RTS)

The April 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 June 9, 2021 meeting were published in the newsletter.. Tim (W4NC) made a motion to accept the minutes as published George (AC3EA) seconded the motion. Motion Passed.

**Treasurers Report** – Dave (KC3MG) read the treasurers report. For the month of June 2021. Pete (KB3WIH) made a motion to accept the June 2021 Treasurer's report George (AC3EA) seconded, the motion passed.

**License Trustee** – Steven (KA3PDQ) reported that there were no changes.

**Equipment Trustee** – All equipment was accounted for and insured.

**Repeater Committee** – Terry (WB3BKN) reported that the repeater was having problems including that the Controller had stopped working. Kevin was to look at the new problem.

**Laurel VE Committee** – Steven (KA3PDQ) reported that the next exam session scheduled is schedule for August 21, 2021 at 8000 Derry St @ 9:00 AM.

**Membership Committee** – Tim (W4NKC) reported that the Club had 75 members with 44 belonging to ARRL.

**Newsletter Editor** – Kurt (K3URT) has stepped up to take over the job as newsletter editor. The first issue was extraordinary. Newsletter articles should be in plain English with NO abbreviations. Please send articles to [HRAC.Newsletter@gmail.com](mailto:HRAC.Newsletter@gmail.com). With a deadline of **7 days Before the end of the month.**

**Web Page** – Dave (KC3MG) read the report from the webmaster KD3MAD. He reported that work on the web page was continuing. He also reported that most of the inquiries were related to the firecracker hamfest.

**Emergency Communications** – Robert (K3RTS) reported that there are training opportunities available. Monday @7PM on the 145.11 repeater and Sunday Mornings on 3993.5 at 8:00AM.

**DXCC** - No report

**Ham Feast** – No Report

**Hamfest Committee** – Terry (WB3BKN) reported that the hamfest was a huge success! The hamfest had a large turnout. Dave (KC3MG) reported that preliminary attendance was 528 paid attendees. Discussion continued on how to improve things for next year.

**Field Day** - Robert (K3RTS) reported that the event was held at Adams-Ricci Park on June 26-27 2021. All who attended had an enjoyable time.

**Trailer Committee** - Terry (WB3BKN) reported that the project was proceeding and that the electrical wiring was next to be done.

**Old Business** - None

**New Business** – None

**Good of the Club** – .

**Adjournment** – With no further business Pete (WB3WIH) made a motion to adjourn at 1945 hours. Tim (W4NKC) seconded the motion.

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 adjusted format. — Ed.*

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

**U.S. Citizens Band goes FM?**

The FCC has adopted, and pending Federal Register printing, a Reconsideration of Part 95 radio services allowing FM mode on the Citizens Band. The document was filed 15 July 2021. For the story go to: <https://docs.fcc.gov/public/attachments/DOC-374114A1.pdf>

**— 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](http://W3UU.org)

**FaceBook:** [www.facebook.com/Harrisburg-Radio-Amateurs-Club-208171495915056/](http://www.facebook.com/Harrisburg-Radio-Amateurs-Club-208171495915056/)

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

**Deadline:** 10 days before the start of the next meeting — **(For the SEPTEMBER issue that is end of business day SUNDAY, 29 AUGUST) — 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. Contact the Editor with questions. Cite photograph credit.

✓ Editor reserves the right to edit for brevity and grammar, where needed. Please proof-read your finalized narrative before submitting.

✓ Submit to the email address:  
[HRAC.Newsletter@gmail.com](mailto:HRAC.Newsletter@gmail.com)

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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.

**July 14, End of An Era.**

The last "Franken-FM" low-power analog radio stations, occupying the audio end of TV channel 6 or 87.5 MHz, went off the air 12 years after the FCC mandated TV channel change to digital transmissions. During Sporadic E skip, some of these stations could be heard nationwide.

**National Radio Day, August 20.**

Marks the first commercial radio broadcasting by the Detroit News, callsign 8MK, and survives today as WWJ. But, the celebration is more about the predecessors of early radio: Marconi, Tesla, Maxwell and many others.

**US Postal Service Rate Increase — 29 August 2021**

Most OM's use services like [eQSL.cc](http://eQSL.cc), ARRL's [Logbook Of The World](http://Logbook Of The World), and [ClubLog](http://ClubLog) for QSL verification. But, if you are still traditional and prefer those paper cards, rates rise the 29th for First-Class domestic letters from 55 to 58 cents; postcards from 36 to 40 cents; international letters and postcards weighing at one ounce from \$1.20 to \$1.30. Get your "Forever" now.

<https://blog.stamps.com/2021/06/04/usps-to-implementation-second-postage-rate-increase-in-2021/>

**Assistance Needed**

The Keystone Trail Association - Trail Challenge on **11 September 2021**, needs Amateur Radio volunteers. Sign up: <https://www.kta-hike.org/volunteer-at-the-kta-trail-challenge.html>

**Help Still Needed...**

...the Eastern States 100 was still need of operators as indicated below:

"I am still in need of 2-4 radio operators for the Eastern States 100 for aid stations

tions

- AS 15 - 1 Person From 9 p.m. to 6 a.m. **August 14th thru Aug. 15th.** 1 Person From 6 a.m. to 1 p.m. Aug. 15th

- AS 16 - 2 People 10 p.m. till 7 a.m. Aug. 14th thru Aug 15th.

Please contact me if you are interested. Travis Best, [tbest@w3tmb.com](mailto:tbest@w3tmb.com) • 570-279-1746

Signups at:

<https://runsignup.com/Race/Volunteer/PA/Waterville/EasternStates100> and <https://kb3hll.org>

**SWAP & SHOP SPOT**

**Yaesu FT-450D** like new. HF +6m, 100w base unit \$600. Contact: **Terry, WB3BKN** [wb3bkn1@gmail.com](mailto:wb3bkn1@gmail.com) • 717-979-9515



**Radio Shack mic repair**

"I got a Radio Shack HTX-242 2 Meter rig and it had a mic cable that was in pretty sad condx... It was seriously deteriorated and worn. Actually falling apart!

I tried to find a replacement mic and they apparently do not exist. Not even MFJ! What I did find was a guy who will replace the cord, as well as clean and test the mic.

If you have a RS HTX212/242/252 and have a similar mic cable issue, contact Steve KU4BY. [www.ku4by.com](http://www.ku4by.com)

He had it for 2 days! The price was \$35 plus \$5 shipping back to me... Big problem -- SOLVED!"  
73 Glenn, K3SWZ

**Cushcraft Ringo Ranger ABX-2** VHF 6 DB gain Antenna. Free for the taking. Must help remove, mast will stay. Antenna is 14 ft. tall, largest piece 36". Ridge height 10 Feet. located in Colonial Park near Harrisburg, Pa. 17112. Contact: **Robert, WA3IJC**, [bobmccutcheon34@yahoo.com](mailto:bobmccutcheon34@yahoo.com)



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 is 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.*

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

**Contesting:**

- **Contest Calendar August 2021 (over 90 listed):** [www.contestcalendar.com/contestcal.html](http://www.contestcalendar.com/contestcal.html)
- **One-By-One special events:** [www.1x1callsigns.org](http://www.1x1callsigns.org)
- **Contester Scores:** [www.3830scores.com/index.php](http://www.3830scores.com/index.php)
- **ARRL Contest Calendar:** [www.arrl.org/contest-calendar](http://www.arrl.org/contest-calendar)

Popular contests for **August** are:

- **The 10-10 International SSB**, 0001, 7 August to 2359, 8 August, UTC. The 10 meter band has been fairly active recently, so here is your chance to possibly log some DX. If you are a Technician class licensee, you may operate from 28.3 to 28.5 MHz. More info — [www.ten-ten.org](http://www.ten-ten.org)
- **The Maryland-DC QSO Party**, 1400, 14 August to 0400, 15 August, UTC. More info — [www.w3vpr.org](http://www.w3vpr.org)

**HRAC members:** if you contest, let us know — little pistol or big gun it's all in fun! Let us know how you made out.

**NEWS • COMMUNIQUE • MESSAGES •  
DISPATCHES • QST • REPORTS • TALK**

## Replacing Your Amateur Radio License Plate in Pennsylvania.

"Hey Curt, your license plate is looking kinda aged," exclaimed **Glenn, K3SWZ**, at the club meeting. "Tell me something I don't know. I've had it for over 20 years," I replied.

My personalized amateur radio license plate is peeling and worn down having been proudly attached to three-car lives later. So — time to replace it. Glenn proceeded to guide me in the process.

Need to replace your tag? There are two ways to do it. If you are stopped by a police officer, and he agrees your plate is unreadable, he can sign off on PennDot form MV-44 (*Application for Duplicate Registration Card, Replacement of Registration Plate or Weight Class Sticker*). You may receive a new plate FREE.

But, if your plate is just aged and not gracing your handsome jalopy in the manner of your style, use form MV-904 (*Application For Personalized, Amateur Radio Operator or Press Photographer Registration Plate*). The replacement fee is \$11, plus submitting a copy of your official FCC license and a plate photograph with the application. *But note:*

"A registration plate is deemed illegible when one or more numbers or letters cannot be recognized from 50 feet or if the registration plate shows any blistering, peeling, discoloration or loss of reflectivity over the course of time rather than through a specific incident that damaged the registration plate. There is no fee for the replacement of an illegible standard issue personalized registration plate."

So, it's essentially a judgment call from the Transportation employee if you pay or not. (I sent the money to avoid delay; maybe I'll get a refund.) Allow ten weeks for replacement.

Display your amateur radio license plate proudly.

MV-44: <http://www.dot.state.pa.us/public/dvspubs-forms/BMV/BMV%20Forms/mv-44.pdf>

MV-904: <http://www.dot.state.pa.us/public/dvspubs-forms/BMV/BMV%20Forms/mv-904.pdf>

— 73 de Curt, K3URT

## Dave Casler Joins ARRL's QST.

**Dave Casler, KE0OG**, a popular YouTube™ and Patreon amateur radio educator, has filled the retired spot of **Dr. Joel Hallas, W1ZR**, "The Doctor Is In" QST magazine's column. Dave has years and a plethora of material on his [online channels](#) worth visiting for the new and old-timer. The QST column is renamed "Ask Dave."

Dave will create YouTube videos for the ARRL channel, [youtube.com/arrlhq](https://www.youtube.com/arrlhq), and move his licensing vids to the ARRL website. Have a question for Dave? [askdave@arrl.org](mailto:askdave@arrl.org) — "Ask Dave" QST, July 2021, pp. 50-51.

## EMCOM NEWS

### Nationwide Emergency Alert Test

scheduled **August 11th**, 1420L by FEMA and FCC. Test messages will be sent to TVs and radios, along with select cell phones that have opted-in to receive test messages. <https://www.fema.gov/event/ipaws-national-test>

### American Red Cross nation-wide drill

The July/August issue of ARRL's "On the Air" is focused on EmComm. If you are an ARRL member you can sign in at <http://www.arrl.org/on-the-air-magazine> and read it online. They have a brief intro to Winlink. The introduction to Winlink presentation that **Bob, K3RTS**, made to the club at the July meeting will soon be available on the club website. The next American Red Cross nation-wide drill is on Saturday, **13 November 2021**. The American Red Cross prefers to use Winlink for transmitting information. Contact Bob, K3RTS if you want to know more.

### ARRL New Committee.

"On July 17th, the ARRL Board of Directors had their bi-annual meeting in Newington. Probably the most significant accomplishment was the creation of a new standing committee.

The ARRL Board of Directors approved By-Law changes creating a third Standing Committee that joins the existing Administration and Finance Committee and Programs and Services Committee.

The charter of the new **Emergency Communications and Field Services Committee (EC-FSC)** is to develop and recommend new or modified Board policy and programs for emergency communications through the Amateur Radio Emergency Service® (ARES®) and National Traffic System™ (NTS™) entities.

The committee also will offer enhanced support for its Field Organization leadership volunteers, including Section Managers, and an increased focus on ARRL-Affiliated Clubs.

The EC-FSC will further provide guidance to the CEO in translating Board policy into prioritized tasking, funding, and staffing of programs, services, and training in support of amateur radio emergency communications, field organization volunteers, and recruitment and retention of new and existing members through assistance to Affiliated and Special Service Clubs.

The EC-FSC will have additional responsibility for monitoring and assessing trends in emergency communications technology and participant skills worldwide, and for identifying "best practices" for voluntary emergency communications provided by ARES and NTS, coordinating and cooperating with other amateur radio national societies as appropriate." — *Extract, 28 July 2021 email from:*

**George Miller, W3GWM**

Eastern Pennsylvania Section Manager  
Phone (570) 250-1007

**LOCAL AREA NETS  
(ALL TIMES ARE LOCAL):**

- **MONDAYS**

  - ✓ 1900: R145.110 MHz, 131.8 Hz Tone, FM, W3ND, Dauphin County ARES/RACES Training Net.
  - ✓ 2000: R146.970 MHz, 123.0 Hz Tone, FM, W3HZU Keystone VHF Club net, York.
  - ✓ 2030: R145.430 MHz, 67 Hz Tone, FM, N3TWT South Mountain Radio Association net, Mt. Holly Springs.
- **TUESDAYS**

  - ✓ 1900: R146.970 MHz, 123.0 Hz Tone, FM, W3HZU Keystone VHF Club Digital Net.
  - ✓ 2000: R147.315 MHz, 82.5 Hz Tone, FM, K3LV, Lebanon Valley Society of Radio Amateurs, Emergency Net.
  - ✓ 2100: R145.230 MHz, 114.8 Hz Tone, FM, K3IR Southern Pennsylvania Radio Club net.
- **WEDNESDAYS**

  - ✓ 1900: **R146.76 MHz, 100.0 Hz Tone, FM, Harrisburg Radio Amateurs Club Information net, W3UU, every Wednesday except club meeting, second Wednesday.**
  - ✓ 2100: R145.110 MHz, 131.8 Hz Tone, FM, W3ND, Central Pennsylvania SkyWarn™ net
- **THURSDAYS**

  - ✓ 2030: R145.270 MHz, 74.4 Hz Tone, FM, N3TWT, FM Allstar Echolink net.
  - ✓ 2100: R145.390 MHz, 118.8 Hz Tone, FM, W3AD Lancaster Transmitting Society net.
- **FRIDAYS**
- **SATURDAYS**
- **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 PA Auxiliary Communication Service, LSB.
  - ✓ 2000: R146.640 MHz. 85.5 Hz Tone, FM, AA3RG Appalachian Amateur Radio Group net.
  - ✓ 2030: R147.120 MHz, 100.0 Hz Tone; FM, W3ACH Cumberland Valley Amateur Radio Club net.
- **DAILY**

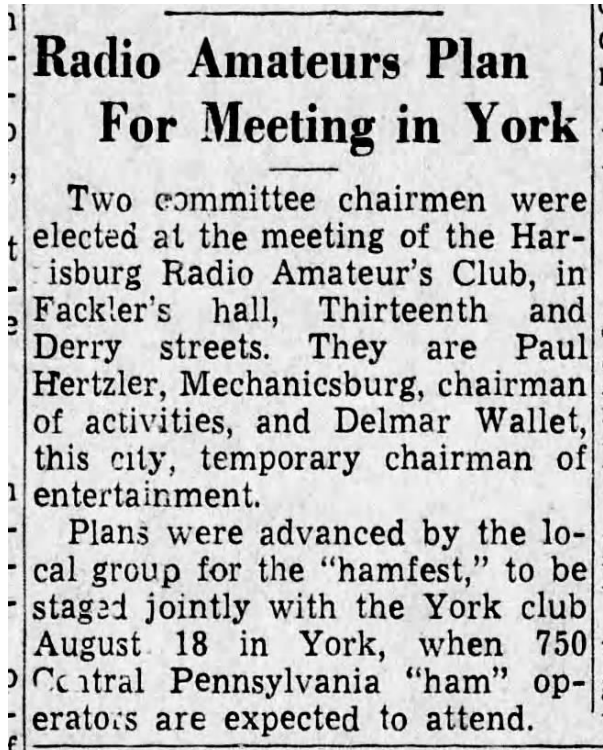
  - ✓ 1900: 3.585 MHz, CW, Pennsylvania Traffic Net.
  - ✓ 1945: R147.015 MHz, 118.8 Hz Tone, FM, W3RRR Lancaster County Welfare Net; Red Rose Repeater Association.

**Members: Add or update your favorite regional net!**

**HARRISBURG AMATEUR RADIO HISTORY: 75 YEARS AGO.**



The [Harrisburg, Pennsylvania] Evening News, 29 July 1946, p.11.



The Evening News, 29 July 1946, p. 8.

A personal note from the Editor. Thank you for all the input — keep it coming. Also thanks to Bob, K3RTS, for proofreading.

F I R E C R A C K E R • H A M F E S T • W R A P



Ahh... those wee hours before...

The July Firecracker and Convention, 3 July, was an immense, overflowing, success! A more full report can be heard at the next meeting of the Club, 11 August.

Thanks to the following for making it a success, small, large, before, during and after (in callsign order):

- AC3EA, George
- K3RTS, Bob
- K3SWZ, Glenn
- K3URT, Curt
- KA1YSR, Chuck
- KA3PDQ, Steven
- KB3WIH, Pete
- KC3EUU, Steve
- KC3LYV, Todd
- KC3MG, Dave
- KC3WEB, John and XYL  
Connie
- KD3MAD, Mike
- KW3W, Charles
- KZ3KBD, Kendra
- N3WL, Chuck
- W3CWT, Charlie
- W3JPH, Joe
- W3ZTB, Zach
- WB3BKN, Terry
- W4NKC, Tim



TOP PHOTO BANNER: *Rex Athey.*  
 CENTER: The wee hours before... *Bob Saber, K3RTS.*  
 BOTTOM: Full parking lot at the Harrisburg Postal Workers Union Community Park. *Bob Saber, K3RTS.*

*More photos at the HRAC website and FaceBook pages.*

Hungering for more hamfests? Search at <http://www.arrl.org/ham-fests-and-conventions-calendar>



# MEMBERSHIP APPLICATION 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.

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

**Dues end December 31st of the year.**

NAME \_\_\_\_\_ CALL \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_ E-MAIL\* \_\_\_\_\_

ARRL Member? [ ] Y [ ] N                      YEAR FIRST LICENSED: \_\_\_\_\_

SIGNATURE \_\_\_\_\_

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!**