



W3UU NEWSLETTER

— OCTOBER 2021 —

September W3M Special Event - 9/11 Anniversary

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Michael, KD3MAD, operates the W3M special event call sign from HRAC mobile trailer. — *Photograph by Bob, K3RTS.*

HRAC was at Memorial Lake State Park, Lebanon County, Saturday, 11 September 2021, commemorating the 20th Anniversary of 9/11/2001. It was also a Parks-On-The-Air (POTA) activation using the special call sign W3M. “M” selected to represent “memorial” and “memory” as in Never Forget!

The event proved to be a tremendous success. The required number of contacts for a successful POTA activation was reached. Four operators in rotation using both phone and digital modes resulted in 85 Qs, 72 SSB, and 13 FT8. Also, the Ohio POTA event was going on, so we had many Ohio Qs, along with communications with Spain, Wales, and Cuba!

Over 20 people were in attendance over the day, including 11 club members with entourage. The event caught the attention of two others who stopped by to learn more. A Park Ranger also visited, showing appreciation for the event.

“We even took some time to enjoy some food.”

Members attending included: Terry, WB3BKN; Joe, W3JPH; Bob, K3RTS; Michael, KD3MAD; Kendra, KZ3KBD; Emily, K3ESU; Doug, K3DRE; John, KC3WEB; Joe, K3SZH, and Dana, W3TS. (*See page 9 for more photos.*)

NEXT MEETING is **Wednesday, 13 October**. HRAC meets the second Wednesday of each month with “Elmer Time” education at 1830L, business meeting at 1900L, all at the Harrisburg Vietnam Veterans of America Chapter 542, 8000 Derry Street, Harrisburg, PA 17111.



The Harrisburg Radio Amateur Club Inc., [HRAC] formed 1 July 1946, as an association of individuals commonly interested in amateur radio, based in Harrisburg, Pennsylvania. It is an ARRL affiliate club.

At the end of World War II, many veterans returned to the Harrisburg area trained and used radio communications in the military. It soon became a common factor among local hobby enthusiasts. Fifty-eight charter members developed the original constitution and bylaws for the club. In 1960, HRAC became a non-profit corporation in Pennsylvania.

The club continues to promote amateur radio in the area in many ways. HRAC is involved with young people by helping with scouting's JOTA activities and promoting amateur radio with school clubs and organizations.

Since 1949, members have provided communications for the American Red Cross in Harrisburg for Dauphin County and Pennsylvania Emergency Management. In addition, we conduct periodic training sessions for emergency responders.

HRAC has 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.

HRAC CLUB CALENDAR 2021-2022:

- October:** 13th, club meeting.
16th, license testing.
23rd, HRAC Oktoberfest hamfest.
- November:** 10th, club meeting.
- December:** 8th, club meeting: "Cookie Exchange Night" and Elections.
18th, license testing.
- January 2022:** 8th, HRAC WinterFest
12th, club meeting.

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.

Elmer Time - October meeting

For the October meeting... "Putting the 'V' back into VSWR" by **Terry, WB3BKN**.

LICENSE TESTING:

Affiliated with the Laurel Volunteer Examiners (VE), HRAC conducts testing in January (Winter hamfest), February, April, June, August, October, December, and other announced times. Sessions begin at 0900L at the announced location. **Steven, KA3PDQ**, is the Team Leader.

We **require** pre-registration for exams to ensure that we have the level of staffing necessary to conduct an exam. Also, we **require** the FCC Federal Registration Number (FRN) and a valid email address **in advance** of registering for an upcoming exam.

Registration form and information is at the club's website: www.w3uu.org/license-exams/.

—The next test session is scheduled for 16 October 2021, at the Harrisburg Vietnam Veterans of America Chapter #542, 8000 Derry St., Harrisburg, promptly beginning at 0900L.

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HRAC MEETING MINUTES: 8 September 2021

The September 8, 2021 meeting of the Harrisburg Radio Amateur's Club, Inc. was called to order at 1903 HRS by the Vice President, Robert (K3RTS)

The September 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 August, 11 2021 meeting were published in the newsletter.. Tim (W4NC) made a motion to accept the minutes as published Dave (KC3MG) seconded the motion. Motion Passed.

Treasurers Report – Dave (KC3MG) read the treasurers report. For the month of August 2021. Neil (N3JQM) made a motion to accept the August 2021 Treasurer's report George (AC3EA) seconded, the motion passed.

License Trustee – Dave (KC3MG) has volunteered to take over as the Club license trustee. The paperwork is in process to accomplish this.

Equipment Trustee – No Report

Repeater Committee – **Steven (KA3PDQ)** reported that the repeater was having problems including that there is noise reported on the input of the .76 repeater as well as other repeaters in the area. The offending station has been notified and it is being worked on.

Laurel VE Committee – Steven (KA3PDQ) reported that the next exam session scheduled is schedule for October 16, 2021 at 8000 Derry St @ 9:00 AM. Testing is free. Preregistration is required.

Membership Committee – Tim (W4NKC) reported that there were no changes from the previous month.

Newsletter Editor – Kurt (K3URT) reported to the group on how to submit articles. Please send articles to HRAC.Newsletter@gmail.com. With a deadline of **7 days Before the end of the month.**

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

Emergency Communications – Robert (K3RTS) reported that there are training opportunities available. Monday @7PM on the 145.11 repeater.

DXCC - Glen (K3SWZ) reported that business is brisk with the ARRL still playing catch up.

Ham Feast – No Report

Hamfest Committee – Robert (K3RTS) reported that the Club would be having (2) Hamfests. October 23, 2021 and January 8, 2022 both to be held at 8000 Derry St. He also reported that help will be needed for both events..

Field Day – No Report

Trailer Committee - No report

Old Business – Robert (K3RTS) reported on the upcoming special event station to be held on September 11, 2021. Held at Fort Indian Town Gap in Lebanon County.

New Business – There was a question asked about the clubs offer of a free 1 year membership for new license holders.

Good of the Club – The PA QSO Party will be held on October 9 and 10 2021 .

Adjournment – With no further business meeting was adjourned at 1924 hours.

Respectfully Submitted

Steven Gobat, KA3PDQ

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

Webmaster Report – September 8, 2021 Club Meeting

Dear HRAC Club Members,

Since August 2021 meeting, we have spent most of our time supporting the upcoming W3M Special Event commemorating 9/11. We created a series of information pages and refer to them prominently on the Home Page for high visibility. Also, through casual conversations with business contacts, sent information to other local radio clubs including Masonic Homes regarding this special event to help raise awareness.

In addition to the informational pages, we also created a special event QSL Card Request form and page also in support of the W3M Special Event. Visitors will be allowed to submit their log information to be validated and issued a commemorative QSL card. Started building out the Amateur Radio for the Disabled section of the website.

Ongoing support for all current and future events, including hamfests and club meetings, as well as preparing a new Photo Album for recent events and Ham 101. All in due time. Also helped by creating email address k3rts@w3uu.org for Club Vice President Bob (K3RTS).

As always, please continue to provide feedback and suggestions for information and content. This is the club’s website so membership is highly encouraged to share feedback with Michael KD3MAD at kd3mad@w3uu.org.

We continue to be an active hub for VE Testing. This month’s **License Exam Request Forms:** **1**

Website Statistics for the Month August 12, 2021 – September 8, 2021:

Contact Us Submissions	Successful Outreach	Notes
2	1	One was from totally blind individual – made us aware of the need to address individuals with disabilities on website, etc. Both contacts were invited to this meeting.

Number of Impressions	Number of Click-Throughs	Average Rank per Search
1,500	78	26.5

Top 5 Performing Pages	Number of Impressions	Number of Click-Throughs
Home Page	281	41
Hamfest Landing Page	404	20
July Newsletter PDF	22	3
EMCOMM – Nets	16	3
License Exams	60	2

Top 5 Performing Searches	Number of Impressions	Number of Click-Throughs
w3uu	25	12
hamfest pa 2021	62	6
hamfest 2021	49	1
harrisburg hamfest	2	1
ham radio operators near me	1	1

This report is hereby respectfully submitted.

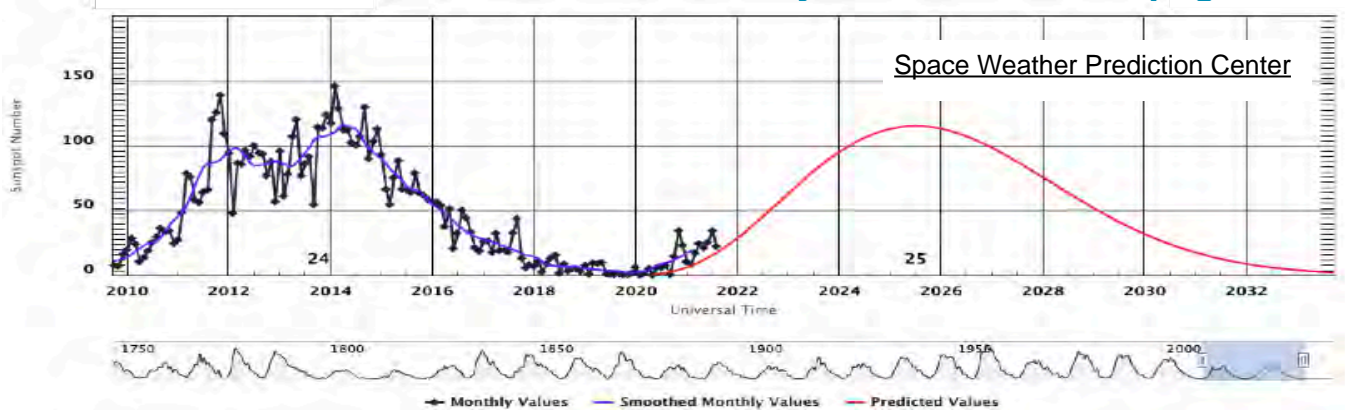
QSH and 73

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

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ISES Solar Cycle Sunspot Number Progression

Quick Ways to Determine Propagation



Web-based Software Defined Radio (SDR). Listen to a station located near you. The website www.websdr.org has a list of worldwide stations. In central Pennsylvania, the nearest is Westminster, MD: www.blackcat-systems.com/kiwi.html by Chris Smolinski, W3HFU. Select from a menu of receiving antennas that closely matches your system. After selecting your band of interest, you can observe and hear what reception is like for your area.

Paul Herrman (N0NBH) Solar Data/Propagation banners and

widgets are legendary in the amateur radio. www.hamqsl.com/solar.html has a plethora of information found in many places. A commonly accessed website is QRZ.com. His banners reflect worldwide conditions rather than local.

Watch DX Clusters. Set your filters for stations nearby you. Watch for DX spottings per band. Clusters can give you a rough way of determining what band is open. A favorite is www.dxwatch.com, but there are many others.

VOACAP. Although more work is needed to use the website, www.voacap.com/hf/ can give you hypothetical propagation for specific areas.

A deeper dive.

- ✓ Space Weather Prediction Center: www.swpc.noaa.gov
- ✓ Tad Cook (K7RA) propagation bulletin from the ARRL.
- ✓ Mark Downing (WM7D): www.wm7d.net/hamradio/solar/
- ✓ Space Weather Woman by Dr. Tamitha Skov, www.spaceweatherwoman.com



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— emails posted 19 September 2021

“Well, another month has passed and once again I'm sitting here wondering where all the time has gone.

We have 3 ARRL Sanctioned Hamfests remaining this year.

•Sunday [26 September], I will be in East Stroudsburg for the Eastern Pennsylvania ARA Hamfest. See www.qsl.net/n3is/ for more information.

•Saturday October 2nd (October already!) I plan to attend the Red Rose Repeater Association Hamfest in New Holland. For more information, see w3rrr.org

•Our third Hamfest is actually a repeat. The **Harrisburg Radio Amateurs Club** will host Oktoberfest on October 23rd.

The Harrisburg Radio Amateur

Club hosted our statewide convention this year and will be the host for next years convention. The **Firecracker Hamfest, ARRL Pennsylvania State Convention**, will be on July 2nd, 2022.

When I listen on the talk-in frequencies for the Hamfests I've attended, I don't hear much on 2 meters. Very few people call in. I guess this is partially because GPS has become so prolific we don't need talk in when we get close. GPS takes us to the front door. On the way to a Hamfest, call in and tell the Ham you are on your way. Let's generate some traffic. I'm looking forward to meeting you in person at a Hamfest or club meeting. If you hear me on the air give me a shout!

Another note about mobile operation. I routinely travel several hours getting to Hamfests. I pass through the coverage areas for several repeaters every time. **VHF/UHF use is down.** Cell phones

killed that.

I program repeaters into my rig for whatever route I'm taking, but I also monitor 146.52. In fact, I have a sticker in my rear window announcing that I'm monitoring 146.52 MHz. Admittedly, I don't get a lot of QSO's on 52, but I do try. When you're out and about, set up your rig to monitor for traffic on 146.52. Making sure I have the correct settings for repeaters is

.....
 “Listen on 52 for people passing through.”

time consuming and the PL's sometimes get changed from what is published. I set one band to 146.52 and the other band for repeaters and scanning. Listen on 52 for people passing through.

Due to the increase in Covid-19 infections, everything is changing, again. I'm trying to anticipate a ban on public meetings and am taking steps accordingly.

(continued on page 6)

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(from page 5; *Eastern Pennsylvania Section Manager*)

Did you know members of the EPA **Speakers Bureau** are available both at meetings or virtually? Did you know League Officials are also available for virtual meetings? Contact me for more information. Once again, I'm planning on using virtual meetings if they become necessary. When possible, I'd like an in-person visit with your club, but I am available to attend virtual meetings. If you'd like me to do a presentation, just let me know. I attend several club meetings every month via a virtual connection just to listen and see what the clubs are planning.

This is a **year for rebuilding**. Working with officials in Newington, our Assistant Section Managers and the Affiliated Club Coordinator, we are going to grow your membership.

ARES (Amateur Radio Emergency Service) is also undergoing changes. We are rebuilding and reviewing plans. If you are not already an ARES member, contact your county's Emergency Coordinator to become a member. ARRL membership is NOT a requirement for membership in ARES.

October 9th and 10th is the **Annual Pennsylvania QSO Party**. More information is available at www.paqso.org/ Participate as part of a group or as an individual. Either way, get on the air and represent Pennsylvania during this event.

How is Skywarn in your area? We've certainly had no shortage of weather events this year and we are only approaching the mid point of Hurricane Season with several likely candidates out in the Atlantic and Caribbean. Have you been able to take advantage of the on-line training for Skywarn? I've seen some interesting Skywarn videos on YouTube.

We are continuing our **search for a Section Emergency Coordinator**; this is an extremely important appointment. The Section emergency Coordinator is arguably the most important appointment in any Section. If you know a good candidate, ask them to contact me. the decision will ultimately be decided by a panel of EPA Section Officials.

Change is inevitable. Changes are coming to Ham Radio in general and to the Eastern Pennsylvania Section specifically. I can't guarantee that you will appreciate all the changes, but be patient and go with the flow. If something really bothers you, contact me and let me know.

Don't forget our section traffic nets. (EPAEPTN on 3.918 MHz at 5 PM and PTN on 3.585 MHz at 7 PM.) I see the ARRL webpage for nets is out of date. I'll try to fix this again.

That's about it for this month. Stay busy, get involved and be more Radio Active.

73 and stay healthy!"

OKTOBERFEST UPDATE

(also see last page for flyer and the HRAC website)

VENDORS DIRECTORY

The following is a list being compiled of vendors and prize suppliers in alphabetical order committed to attending or being represented at the HRAC 2021 Oktoberfest:

KJI Electronics (Authorized Yaesu Dealer)

RT Systems, Inc.

Satellite Sam

Sauder Electronics

Yaesu USA (Promotional Giveaways)

NOTE: This list is growing everyday! Please check back frequently for an up-to-date list. If you are interested in being a vendor, please feel free to contact **Terry, WB3BKN** at wb3bkn1@gmail.com.

PLEASE CONSIDER VOLUNTEERING

Not only do we want you to attend the Oktoberfest Hamfest for your own personal enjoyment, but also we need your help! You do not need to be a HRAC Member to assist. If you enjoy these types of events and can spare a little time, please Help HRAC.

Transatlantic Centenary.

The Radio Society of Great Britain also has big plans for the centenary of the first transatlantic personal message between radio amateurs [originally 12 December 1921]. Nick Totterdell, G4FAL, the society's HF contest committee chairman, told *Newsline* that the ARRL and RSGB members are organising a number of activities surrounding the anniversary.

There will also be a Transatlantic QSO Party to be held on the 13th and 14th of November, being sponsored by the Radio Club of America. Nick said other activities will be disclosed soon on the society's website and will appear in the society's *RadCom* magazine. The society is hoping to maximise participation in the US and the UK and increase worldwide awareness of this achievement 100 years ago." — *Amateur Radio Newsline Report 2290, 17 September 2021*. www.arnewline.org/news/2021/9/16/amateur-radio-newsline-report-2290-for-friday-september-17th-2021

- **When:** 1200Z November 13, 2021 to 0400Z November 14, 2021 (16 hours total).
- **Bands:** 160, 80, 40, 20, 15 and 10 meters.
- **Modes:** CW and SSB.
- **Calling:** Call "CQ TQP" (for Transatlantic QSO Party).
- **Exchanges:**
 - For Radio Club of America members: exchange signal report and "RCA."
 - For non-RCA members: USA & Canadian amateurs: exchange signal report and state or province.
 - For all other amateurs: exchange signal report and CQ Zone. — www.radioclubofamerica.org/content.aspx?page_id=22&club_id=500767&module_id=475160

LOCAL AREA NETS (ALL TIMES ARE LOCAL):

MONDAYS

- ✓ 1900: @145.110 MHz, 131.8 Hz Tone, FM, W3ND, **Dauphin County ARES/RACES** Training Net.
- ✓ 2000: @146.970 MHz, 123.0 Hz Tone, FM, W3HZU **Keystone VHF Club** net, York.
- ✓ 2030: @145.430 MHz, 67 Hz Tone, FM, N3TWT **South Mountain Radio Association** net, Mt. Holly Springs.

TUESDAYS

- ✓ 1900: @146.970 MHz, 123.0 Hz Tone, FM, W3HZU **Keystone VHF Club Digital** Net.
- ✓ 2000: @147.315 MHz, 82.5 Hz Tone, FM, K3LV, **Lebanon Valley Society of Radio Amateurs**, Emergency Net.
- ✓ 2100: @145.230 MHz, 114.8 Hz Tone, FM, **K3IR** **Southern Pennsylvania Radio Club** net.

WEDNESDAYS

- ✓ **1900: @146.76 MHz, 100.0 Hz Tone, FM, Harrisburg Radio Amateurs Club Information net, W3UU, every Wednesday except club meeting, second Wednesday.**
- ✓ 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

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.
- ✓ 2000: @146.640 MHz. 85.5 Hz Tone, FM, AA3RG **Appalachian Amateur Radio Group** net.
- ✓ 2030: @147.120 MHz, 100.0 Hz Tone; FM, W3ACH **Cumberland Valley Amateur Radio Club** net.

DAILY

- ✓ 1900: 3.585 MHz, CW, Pennsylvania Traffic Net.
- ✓ 1945: @147.015 MHz, 118.8 Hz Tone, FM, W3RRR **Lancaster County Welfare Net; Red Rose Repeater Association.**

® = repeater

Members: Add or update your favorite regional net!

ELMER TIME

FROM THE SEPTEMBER MEETING

Glenn, K3SWZ, gave an excellent overview presentation on the Pennsylvania QSO Party. Don't miss the next Elmer Time on meeting day at 1830L before the business meeting! Thank you Glenn!

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 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.

From the Editor:

Newsletter submission guidelines:

Deadline: For the NOVEMBER issue is end of business day FRIDAY, 5 NOVEMBER) — sorry, no exceptions!

✓ Articles, photographs, graphics are welcome! *Limited assistance can be provided.*

✓ Cite the source. Permission must be obtained from the author using copyrighted material except "fair use" extracts.

✓ Editor reserves the right to edit for brevity and grammar, where needed. Please proof-read your finalized narrative before submitting. As a practice, the editor will "quote" rather than correct.

✓ Submit to the email address:

HRAC.Newsletter@gmail.com

— Club station W3UU —

Repeater Frequency: 146.760 MHz, minus .600 MHz offset

Repeater CTCSS Tone: 100.0 Hz (Encode/Decode)

Weekly Net: Wednesdays at 1900L (except meeting nights)

Website: W3UU.org

FaceBook: www.facebook.com/Harrisburg-Radio-Amateurs-Club-208171495915056/

CONTESTING

- **Contest Calendar October 2021 (over 120):** www.contest-calendar.com/contestcal.html
 - Popular for October:
 - California QSO Party
 - Pennsylvania QSO Party
 - 10-10 Fall CW
 - ARRL School Roundup
 - CQ WW DX, SSB
- **Contest Calendar November 2021 (over 100):** www.contest-calendar.com/contestcal.html
 - Popular for November:
 - Day of the YLs
 - 10-10 Fall Digital
 - ARRL SSB Sweepstakes
 - CQ WW DX, CW
- **One-By-One special events (135 scheduled for October and November 2021):** www.1x1callsigns.org
- **Contester Scores:** www.3830scores.com/index.php
- **ARRL Contest Calendar:** www.arrl.org/contest-calendar

German Callbook updated.

The German call book, dated September 1, 2021, is available at www.bundesnetzagentur.de/SharedDocs/Downloads/DE/Sachgebiete/Telekommunikation/Unternehmen_Institutionen/Frequenzen/Amateurfunk/Rufzeichenliste/Rufzeichenliste_AFU.pdf?blob=publicationFile&v=69

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How many radio amateurs are there worldwide?

“In his YouTube talk of September 7[, 2021] the RSGB General Manager [Steve Thomas, M1ACB] quoted 3 million as the number of radio amateurs worldwide but where did this number come from?

A figure of 3 million has been widely quoted over the last 20 years and is the figure that was published by the IARU in 2000.

In the last century the IARU used to regularly collect statistics for the number of radio amateurs in each country and IARU published these amateur radio operator global totals:

2000 - 2,986,772
1995 - 2,646,000
1990 - 1,967,000
1985 - 1,489,000
1980 - 1,134,000
1975 - 737,000
1970 - 525,000

Unfortunately IARU stopped collecting the data just at the point when amateur radio numbers started to decline. Data is available elsewhere for a few of the larger amateur radio countries and except for the USA this shows a steady decline in radio amateurs since

2000. For example the number of amateur radio stations in Japan has fallen by over 600,000 in the past 20 years, see Amateur Radio Licensing Statistics at ah0a.org/AH0A.html

In some countries there are separate operator and station permits, Japan is one such case. The Operator total given in the AH0A table is for all the amateurs that have ever lived since the 1950's. They are not all still alive or even interested in the hobby anymore. A better indication of numbers is provided by the Station license totals.

So how many radio amateurs are there in 2021? The answer is no-one knows but it's likely to be closer to 1.75 million than to 3 million.”

✦ IARU Amateur Radio Statistics: web.archive.org/web/20020612083455/http://www.iaru.org/statsum00.html

✦ RSGB General Manager on YouTube: youtu.be/SquOj76-hb0

Source: www.southgatearc.org/news/2021/september/how-many-radio-amateurs-are-there-worldwide.htm#.YUiyji2cZhE (13 September 2021)

Amateur Radio Classes by Ralph Brandt, K3HQI - Lancaster & York Counties

(Do not contact HRAC for information.)

➔ Preparation and Test for FCC Amateur Radio Technician License

Oct. 30, 2021 (0800-1600) – Oct. 31, 2021 (0800-1200).
FCC License Testing Oct. 31 (1230-1430).
Email k3hqi@arrl.net for guide and registration link.
Class is held at the Lancaster County Public Safety Training Center, 101 Champ Blvd, **Manheim**, PA 17545.

➔ Preparation and Test for FCC Amateur Radio Technician License

Nov. 6, 2021 (0800-1600) – Nov. 7, 2021 (0800-1200).
FCC License Testing Nov. 7 (12:30-3).
Registration for the class: yorktownshipprec.com/info/activities/program_details.aspx?ProgramID=28755
Class is held at the York Township Building, 190 Oak Road, **Dallastown**, PA 17313. Lower level, back of the building.

How to obtain an FRN: www.w3hzu.com/laurelVEC.php

➔ Preparation and Test for FCC Amateur Radio General License

Dec. 4, 2021 (0800-1600) – Dec. 5, 2021 (0800-1200).
FCC License Testing Dec. 5 (1230-1430).
Email k3hqi@arrl.net for guide and registration link.
Class is held at the Lancaster County Public Safety Training Center, 101 Champ Blvd, **Manheim**, PA 17545.

➔ For all classes:

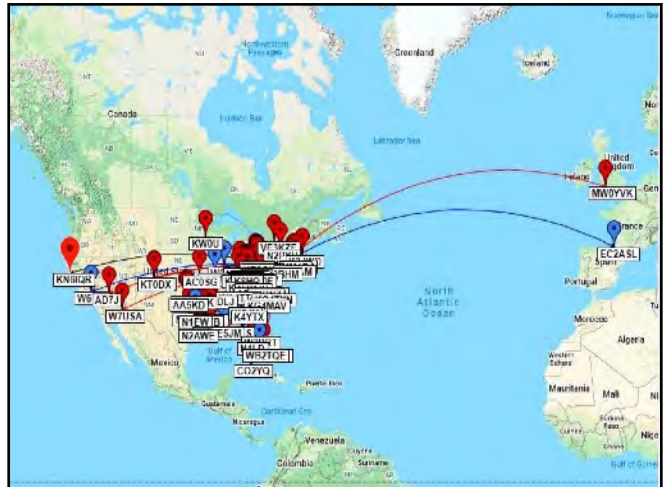
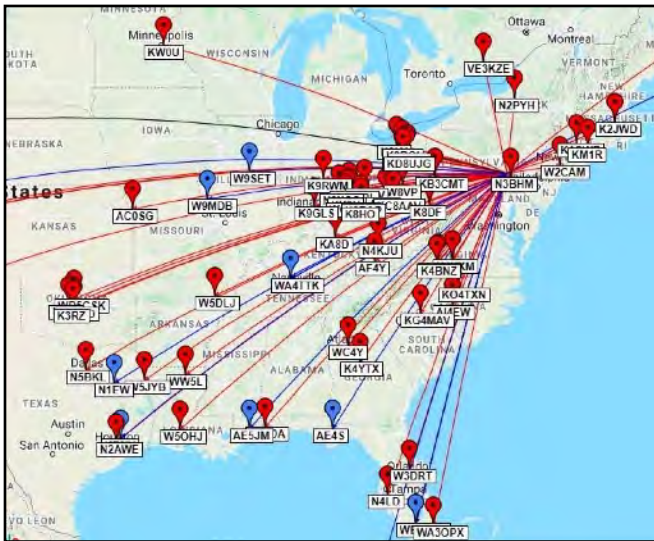
Details and contact: Ralph Brandt, K3HQI, 717-885-3063 or ralph.brandt@comcast.net No charge for the classes, but license testing fees may apply.

“We are looking at a possible tech class in East Perry or North West Dauphin county. ... Although I have limited weekends I can add classes in 2021, I would like to start looking at 2022. I am looking for someone who will want to start holding classes – do not care if it is the boot camps or the regular venues. It is VERY SIMPLE. You need, someone to teach, students, a location and a test team. I will help you get started if you want to do it.”

CLUB EVENT - 9/11 COMMEMORATION - W3M
(continued from page 1)



Lebanon County, Pennsylvania.



Operator, **Doug, K3DRE**

Always time for fun and food!

— All photographs by **Bob, K3RTS**.

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!

W3UU - Harrisburg Radio Amateurs' Club OktoberFest

Saturday October 23rd, 2021

OKTOBERFEST



Electronics Expo and Hamfest



Vietnam Veterans of America

8000 Derry Street

Harrisburg, PA 17101

7:00 am to 11:00 am

- 🎃 Admission **\$5.00** per person
- 🎃 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 (WB3BKN)

PO Box 355

Halifax, PA

717-896-0256

WB3BKN1@gmail.com

Web Site: www.w3uu.org



❄️ **Save the Date! – W3UU WinterFest is January 8, 2022**

Flyer by Bob, K3RTS