



WASHRAG™



VOLUME 27 ISSUE 12
DECEMBER 2025

Wireless Association of South Hills

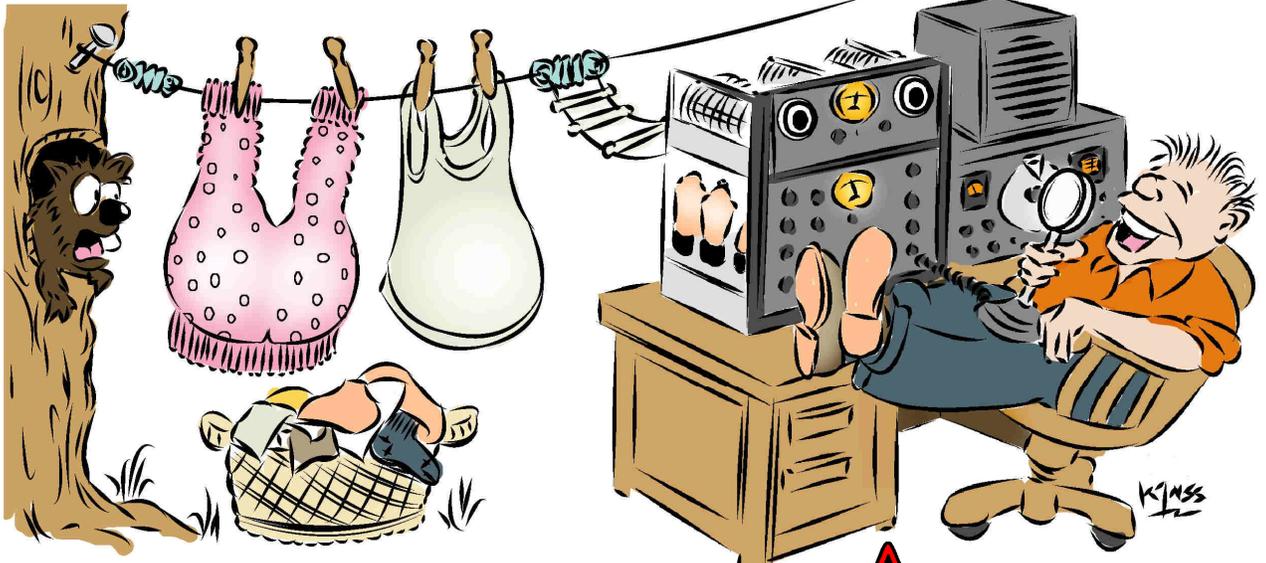


N3SH WA3SH NP2SH/B

www.n3sh.org



Wireless Association of South Hills



WASHRAG™



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Next Monthly Meeting: Thursday, December 4th, 2025

The next scheduled meeting of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** will be on **Thursday, December 4th, 2025**, starting at 7 PM, at the ST. CLAIR HEALTH OUTPATIENT CENTER, 2000 Oxford Drive, Bethel Park PA 15102, adjacent to Village Square Mall, across from South Hills Village Mall, just off US Route 19.

Meeting topics include plans for 2026, the 2 Meter Simplex contest in January, **WASHFEST 2026**, and more to come. [**And Pizza!**] See you there!

*Cover: New Airport Terminal, Updated Christmas Tree. Will yours have a new rig sitting under it?
Photo courtesy of and © Copyright 2025 Ron Notarius W3WN*

WASH 2026 OFFICERS

EXECUTIVE COMMITTEE:

President Nathan Suehr KC3GMM
VP / Secretary Bill Madden AC3WM
VP / Treasurer Mark Stabryla N3RDV

AND WE COULDN'T DO IT WITHOUT:

N3SH Trustee	Larry Comden K3VX
WA3SH Trustee	Rich Danko N3SBF
NP2SH Trustee	Paul Jordan NP2JF
N3SH WA3SH NP2SH/B QSL Manager	Ron Notarius W3WN
NP2SH 2009 QSL Manager	Carl Schroeder K9CS
VE Team Liaison	Grant Olson KC3MLC
Webmaster	Curtis Turner KB3CMT
Quartermaster	Harold Rosenberger K3HCR
WASH FM Net Manager	Chuck Bihun KC3ELA
WASHFest 2026 Committee	Ron Telek W3LE, Chair
	Bill Hill W3WH
Activities & Operating Events	Glen Roberts KE7FD
Ways & Means	Rick Bell KB3IAC
WASH 2M Contest Chair	Carol Danko KB3GMN
Field Day 2026 Coordinators	Glen Roberts KE7FD
	Frank Bobro N3FB
	Bill Hill W3WH (emeritus)
	Larry Comden K3VX (emeritus)

CLUB-AFFILIATED REPEATERS, BEACONS, & DIGIPEATERS:

Mt. Lebanon	N3SH / R	146.955 MHz (-)	PL 131.8
North Side	N3SH / R	442.550 MHz (+)	PL 131.8
Canonsburg	N3FB / R	443.650 MHz (+)	PL 131.8
St. Johns, VI	NP2SH / B	28.276 MHz	Propagation Beacon
Canonsburg	N3SH	144.390 MHz	APRS Digipeater

N3SH / WA3SH WASHNet, the weekly on-air net of WASH, meets every **Monday** Night, 8:00 PM ET, on the 146.955 & 443.650 repeaters. All radio amateurs, WASH members or not, are welcome to join in!

THE LEGAL STUFF

"The WASHRag™" (formerly "The Mariner™") is the Official Newsletter of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC. (WASH)**, a 501.C.3 not for profit organization.

Published Monthly with occasional Special Editions as warranted.

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Editor & Publisher: Ron Notarius W3WN

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The **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** was founded on August 23rd, 1993, as the original **SOUTH HILLS AMATEUR RADIO CLUB**, and operated under that name through 1998. WASH was also known briefly in late 1998 as the **N3SH AMATEUR RADIO CLUB**. It is not in any way affiliated with the "South Hills Amateur Radio Club, Inc." and is not responsible for that group, it's members, or it's actions in any way, shape, or form.

As always, special thanks to the owners & operators of both the N3SH/R Repeaters and the N3FB/R Repeater System for permitting the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** and it's members to use their repeaters for club purposes.

WASH Amateur Radio Club News Briefs

Next WASH VE Test Feb 22nd

The Next WASH VE exam session will be on **Sunday, February 22nd, 2026, 10:00 AM**, at the **Home Economics Building, South Park**, 3735 Buffalo Drive, South Park Township, during WASHFest 2025. Talk-in on the 146.955 MHz repeater. All examiners are ARRL VEC affiliated. **Pre-registration is strongly encouraged. Walk-ins taken on a space/time available basis.**

If you plan on attending the test session, please contact VE Team Liason Grant Olson KC3MLC: kgo@grant-olson.net
Please bring the following to your test session:

- + Picture ID or other suitable identification (2 forms of ID required)
- + Pen / Pencil / Calculator
- + Original FCC license plus a copy of license (if upgrading)
- + Original CSCE plus a copy of CSCE (if upgrading)
- + Check in the amount of \$15.00 (payable to: ARRL VEC)

Note that the FCC now only accepts FRNs as identification numbers. **Social Security Numbers are no longer accepted.** If you don't have an FRN, please create one in advance at <https://apps.fcc.gov/coresWeb/publicHome.doc>

Future test dates: To Be Determined

A Few Last Words



Well, as we bring the year to a close, I wanted to say that I have enjoyed my time as President of the club. I would certainly be willing to serve in the future if other commitments would allow. The camaraderie and support of club members continues to be a strength of our organization. I think we have put in place some good plans for next year particularly for the ham fest, 2 meter contest and of course Field Day.

I know that the club will be in good hands going forward with Nathan. at the helm.

I look forward to our using Zoom as a tool for providing additional capabilities for the club. I'm looking forward to seeing everyone at the meeting on Thursday, and remember, if you can't attend let the meeting will be available via Zoom.

Finally remember that there will be pizza at the meeting!

— 73, Tom Galante KB3NIX
President, WIRELESS ASSOCIATION OF SOUTH HILLS, Inc.
N3SH / WA3SH / NP2SH

"Hello Everyone!
My 6 meter antenna is up, and with it, I would like to bring the 50.50 net online.
If you are available this Friday (December 5th) around 7:30—8:00 PM, please monitor 50.50 MHz USB, and give signal reports to stations you can hear (especially me)!
My current plan for the net is Fridays at 8, and if the tests go well, we will start the following week, December 12th"
— Sam KC3ZTO courtesy of Sean N3NWR

Reminder:

The December WASH Meeting will be at The St. Clair Health Outpatient Center Village Square in Bethel Park! Meeting begins at 7 PM.

Saturday, November 29th was a near-perfect opportunity from those of us suffering from tryptophan overload and/or the Black Friday Blues, to say nothing of a short break from the first morning of the CQ WW DX CW contest... and of course, the monthly meet-up of the **WASH Breakfast Gang** gathered at the **McMURRAY EAT'N PARK, 3380 WASHINGTON ROAD**. This month, the group included WB4GCS, N3FB, KB3GMU, KB3NIX, K3SGT and Barb, N3DIDH and Gerry, NY9H and his K4/Ø, and W3WN and Julie. Our largest gathering in quite a while! Discussions included the opening of the new Pittsburgh International Airport terminal, power interruptions, driving distractions, EchoLink, Huskies, Retirement, hearing Japan on 10 meters, allergies, opening up Device Manager in Windows, climbing ladders, Windows 11 (Win X+1), the CQ WW CW, frequency coverage, hand-held spectrum analyzers, "Follow the runner!", a Satellite QSO with an HR2 and a GLB Synthesizer, and a short impromptu demo of the K4/Ø.

One last gathering in 2025... between Christmas and New Years, on Saturday, December 27th, 8 AM, at the **McMURRAY EAT'N PARK, 3380 WASHINGTON ROAD**. See you there!

Congratulations to our newly elected **2026 WASH Officers**, namely incoming President Nathan KC3GMM, and Vice President/Secretary Bill AC3WM. We're looking forward to a great year with them.

And it should go without saying... but we'll say it anyway... **thank you for your service** to outgoing President Tom KB3NIX. We will miss your leadership, even with you leaving the club in good hands, but are glad that you'll still be hanging around and lending a hand from time to time!

Don't forget that in honor of Tom's service, we're going to have pizza at the December club meeting!

Upcoming events in the next few weeks include the ARRL 160 and 10 meter contests, the Stew Perry, Straight Key Night, and let's not forget, the annual **WASH 2 Meter Simplex Contest** in January. Rules are on Page 8, and there have been some updates. (The formatting may look a touch different from Glen KE7FD's PDF file, but the wording is the same... typos notwithstanding, of course). And, oh yes, there's this little event on the last Sunday in February that's kind of important as well, but that's covered over on Page 12 (see what's going to be first prize?)

We also know that the annual Breezeshooters Groundwave Contests are coming up, as of deadline, we haven't seen the official dates yet. Sure hope to have those in time for next month.

WASHRag Volume 28 starts next month? Has it really been THAT long? Ye Editor, and his long-suffering spouse, thanks everyone still reading this for all of your support. That said, though...



Does anyone know of a **decent** (and inexpensive) **publishing package**? Microsoft is retiring Publisher next year AND disabling the application from ever being used again, which means we now have less than a year to find a new package to edit this newsletter on... retire is one thing, but disabling it from ever being used again? That's petty and mean. Even for Microsoft, and that's really saying something. (Older versions are available... but they require a verification of the Microsoft license key, and the verification servers no longer recognize keys for many or most the older versions... so if you're using, say, Office 2010 or 2013 and your PC crashes, you can reinstall it, but you can't activate it). We're thinking of encouraging Santa to leave a small quantity of a certain bituminous mineral that is often mined in the area... see photo lower left.



Join WASH or Renew your Membership Today! Membership Application on Page 13

Minutes, November 6th Meeting

Nathan Suehr KC3GMM, Vice President/Secretary, WASH

Call to order: 6:59 PM 11/6/2025

Pledge of Allegiance, moment of silence for silent keys and others deserving.

Roll call: Thirteen members present

Treasurer: Mark's (N3RDV) report delivered electronically to Nathan (KC3GMM) and read to the group. Motion to accept the financial by report Kathy (KA3VXM) with second by Bob (N3RDG). Voted and carried.

Secretary: Nathan (KC3GMM) - Tom's (KB3NIX) meeting minutes from October meeting are published in the November WASHRag. No corrections to the minutes.

Motion to accept the secretary report by Bill (W3WH) with second by Larry (K3VX). Voted and carried.

Repeaters: Nathan (KC3GMM) on behalf of Frank (N3FB) - Repeating.

WASHnet: No report

Thursday Night Tech Talk: Tom (KB3NIX) - Looked into getting Zoom account for the club. Price is approximately \$18/mo with unlimited time and up to 100 people.

- Glen (KE7FD) - Do they need 501.c.3 status? Tom (KB3NIX) - No
- Glen (KE7FD) - Need to schedule a meeting regarding the 2m contest
- Tom (KB3NIX) - Zoom can be paid monthly so we can cancel if we're not using it.
- Bill (W3WH) - Motion for the club to purchase Zoom account with second by Glen (KE7FD). Voted and carried.
Glen (KE7FD) to get started with the Zoom account and get reimbursed.

Public service: Mike (WA3PYU) - Nothing until the Pittsburgh Marathon.

2026 Officer Elections: Tom (KB3NIX) - We have four nominees for President from the October meeting:

- Jim (WB4GCS) who would like to serve but is too busy, Scott (AC3GB), Eric (K3SGT), Nathan (KC3GMM).
- Bill (W3WH) nominated Bill (AC3WM) for Vice President/Secretary at the October meeting.
- Eric (K3SGT): Declines to accept nomination due to being busy as well.
- Kathy (WA3VXM) - Motion to nominate Glen (KE7FD) for Vice President/Secretary with second by Bill (AC3WM).
- Bill (W3WH): Motion to close nominations with second by Glen (KE7FD). Voted and carried.

President:

- Votes for Nathan (KC3GMM) (12)
- Votes for Scott (AC3GB) (1)

Vice President/Secretary:

- Votes for Bill (AC3WM) (10)
- Votes for Glen (KE7FD) (3)

Nathan (KC3GMM) is elected President and Bill (AC3WM) is elected Vice President/Secretary

Newsletter: No report

VE: No report

Ways & Means: No report

Contests: No report

New business:



Continued on Page 7

WASH Spotlight: Pearl



Jim WB4GCS and Patty KC4WTT at the USS Arizona Memorial last October.

For more about WHY they were there... besides Jim being USN Retired...

See article Page 7
Courtesy of and ©
Copyright 2025 James A. Sanford WB4GCS

Every month we're going to try to feature a **WASH** club member, something about them, something they're involved in or a club-related activity that we're involved in, in the **WASH Spotlight**.

Submissions for the Spotlight should be sent to Ron W3WN at [newsletter at n3sh dot org](mailto:newsletter@n3sh.org)

Monthly WASH Breakfast



Please join us for the next **WASH** Breakfast! We usually get together on the LAST Saturday of every month for a chance to informally sit down, shoot the breeze, compare notes, drink lots of coffee, and just have a good time!

Join us this month at **Eat'n Park**, 3380 Washington Road (US 19), McMurray. Start time is about 8 AM until ????. Monitor 146.955 & 443.659 for talk-in or any last minute changes.

All are welcome, **WASH** members or not, amateurs or not!

Wireless Association of South Hills Membership

<p>2026</p> <p>AC3ML AC3WM AC3GB AC3WM K3OCT KC3GMM N3RDV N3UE NB3C NL7XM</p> <p>2025</p> <p>AC4KU AE3DL K3GW K3SGT K3VX K6DWR KA3VXM KB3CMT KB3GMN</p>	<p>KB3GMU KB3GUZ KB3IAC KB3IVX KB3JHR KB3NIX KB3YCX KC3NFV KC3UUK KC3VQR KC4WTT KE7FD N3DFK N3FB N3IDH N3LV N3NWR N3RDG N3SBF N3TBJ N8NEU</p>	<p>NU3Q NY9H W3LE W3WH W3WN W8LEV WA2YEZ WA3PYU WA3VSS WB4GCS Charmel Spirk</p>	<p>WASH FL KA3UPY/M WASH NE NØPEU WASH OH N8DPW WASH OR KB3NVL KB3NVM NØVLR WASH SC N8NEU</p>	<p>WASH TX K3OL NB3C KB3IJX Jane Wagner WASH VI NP2JF WASH VT KE3XB</p>	<p>Silent Keys</p> <p>AB3KA AB3ED AC4KU AD3Q K3EED K3LIE K3LGM KA3NMG KB3ENX KB3FNM KB3FQT KB3JHQ N3BPB N3CZZ N3FZ N3HKQ N3KEH N3OBD N3RNX N3SKR N3SRC N3ZEL N3XFE W3ZLK W4ZE WA3JPP</p>
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If your call should be listed here & isn't, please contact Mark N3RDV

Through December 1st, 2025
List compiled by
Mark Stabryla N3RDV, Vice President/Treasurer

2025/26 WASH Upcoming Events Calendar

Club Meetings & Other Significant Events — Subject to Change

December 4 th	WASH Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
December 5 th — 7 th	ARRL 160 Meter Contest	http://www.arrl.org
December 13 th — 14 th	ARRL 10 Meter Contest	http://www.arrl.org
December 27 th — 28 th	Stew Perry Topband Challenge	Boring Amateur Radio Club
December 31 st	Straight Key Night	http://www.arrl.org
January 8 th , 2026	WASH Meeting Rescheduled	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
January 10 th	WASH 2 Meter Simplex Contest	TBD
January 11 th	Harrisburg RAC Winterfest 2026	Vietnam Veterans of America #542, 8000 Derry Street, Harrisburg PA 17111
February 5 th	WASH Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
February 14 th — 15 th	CQ WPX Contest RTTY	https://cqwxrtty.com
February 21 st — 22 nd	ARRL DX Contest CW	http://www.arrl.org
February 22 nd	WASHFest 2026	Home Economics Building, 3735 Buffalo Drive, South Park
	WASHFest VEC Testing	
March 5 th	WASH Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
March 7 th — 8 th	ARRL DX Contest Phone	http://www.arrl.org
March 28 th — 29 th	CQ WPX Contest SSB	https://cqwx.com
April 2 nd	WASH Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
April 19 th	Two Rivers ARC W3OC Hamfest	Lincoln Borough VFD No 184 Social Hall, 4312 Liberty Way, Elizabeth PA 15037
May 7 th	WASH Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
May 15 th — 17 th	Dayton ARA Hamvention 2026	Greene County Fairgrounds and Expo Center, 120 Fairground Road, Xenia, OH 45385
May 30 th — 31 st	CQ WPX Contest CW	https://cqwx.com
June 4 th	WASH Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
July 2 nd	WASH Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive

A Veteran's Day To Remember

James A. Sanford
WB4GCS

Eighty Four, PA, November 11th, 2025 – Today has been a good day, for many complicated reasons. This morning Patti and I attended a memorial service in South Park for military nurses. This is sponsored by the Southwest Pennsylvania Registered Nurses club, a philanthropic organization which fosters professional development and financial contributions to nursing students in their final year of education. Patti has been a member for years. You have probably driven by the memorial and not noticed, given its small size. If you drive into South Park on Brownsville road and turn West on to Corrigan Drive, the memorial is on your right – right next to the road to a Field Day site we used to use. The ceremony consisted of welcoming remarks, remarks by a current Army Reserve Registered Nurse and then military honors – a 21-gun salute and Taps. Park police stopped traffic to give us quiet for the honors. I made a point to thank them afterward. After military honors, a bagpiper played Amazing Grace and walked away into the distance. It was COLD and windy, so fortunately people kept their remarks short.

Afterward, we convened at Al's Café for lunch. There were 18 of us and we were at a long table in the main room; the meeting room was being used for a funeral repast, which we considered a better use of that room. Given the crowd, it took a while to get our food but it all came at the same time and was hot. The wait staff was hustling and good, so I tipped well. Patti and I both brought boxes home – at LEAST one more meal.

Tonight, at the invitation of Frank N3FB, I attended a concert by the Mon Valley Marching Band at the McMurray VFW, where I am a member but have not attended much due to work scheduling. Now that I am retired, I hope to attend more. Nice concert. Great music and very friendly people. On the way home WQED was playing a bunch of Veteran's Day related music; I don't remember them doing that in the past. Nice!

Now what makes this kind of special to me is that last Wednesday, Patti and I returned from Hawaii. When we decided a year ago that I would retire this September, we decided to make the trip. As some of you know, my father (AC4KU) was AT Pearl Harbor – he was on gun crew number one on USS WARD which fired the first shot at a mini-submarine trying to sneak into the harbor. They missed ("Because the Captain turned the ship!") but gun crew number three put a hole in the conning tower which started the submarine sinking. Some number of depth charges finished the job. My dad worshipped that CO, which I find interesting – how many 19-year-olds even know who the CO is unless they have screwed up and been to Captain's Mast – military Non-Judicial Punishment. Dad was happy when the submarine was discovered exactly where WARD said, but sad that the CO didn't live to see their actions and reports validated.

SO, given that history, I really wanted to visit the ARIZONA memorial and the MISSOURI, hence the trip to Hawaii. We got to do that; it was humbling to be on ARIZONA and exhilarating to be on MISSOURI. We got to see where the surrender took place. Senator Inoye, a WWII disabled veteran, was instrumental in bring MISSOURI to Pearl Harbor – he thought that where the war ended should be near where it began for the US. I could not disagree.

Two of my Naval Academy classmates went with us, "Rocky" Raheer KJ7NDI, and Jay Gardiner (former ham) and his wife. SO, it was a nice trip, a once in a lifetime event. And United Airlines did not screw it up!

Doing this just before Veteran's Day made today special for me.

We did other things in Hawaii, but the war memorials were my priority and the highlight.

SO, how is this ham-radio relevant? Through my dad, who was NØIZY prior to the war, and then AC4KU after he got out of Iran. He was a radioman in WWII and he talked about simultaneously coping 5-letter code groups at 20WPM, drinking coffee, and having a conversation, all at the same time. "Yeah, right." Then after I got my Novice license and was struggling with Morse Code, I saw him DO it. WOW. I didn't know he was AT Pearl Harbor until he returned from Iran; I saw the Pearl Harbor Survivor license plate, and asked, "What is THIS about?" Then the story came out. WOW

I did try to check into the Breezeshooters through Nathan's remote on Monday night/afternoon. Although the phone said I had 5G, I only had 2 bars, and "could not connect to server." Guess not enough bandwidth. We were at the Dole Plantation, eventually going to a Luau which was fantastic. Oh, well, gave it a shot.

My son now has that callsign – when dad passed, Patti suggested that I get his callsign, but I thought it better to pass on to Chris than for me to take it. Chris is now AC4KU. I have been WB4GCS for decades. This discussion is also relevant (I THINK) in sharing an experience I consider another once-in-a-lifetime.

If you EVER get out to Hawaii, I encourage you to visit the ARIZONA memorial and the USS MISSOURI. Also consider the Punchbowl – national cemetery of the Pacific.

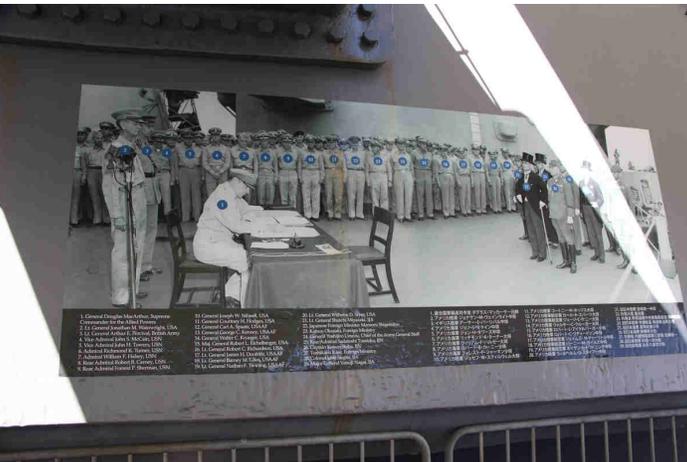


FIRST CONTACT FIRST SHOT

While on patrol, the destroyer USS *Word* fires on a midget submarine trying to enter Pearl Harbor – America's first shot in the Pacific war.

The *Word* Sinks a Sub
Lieutenant William W. Duterbridge rushed to his ship's bridge at the report of an unidentified submarine. At 0645 USS *Word* opened fire. Seaman First Class Alan C. Sanford reported, "Gun No. 3 hit at the base of the conning tower and I'm sure it killed that Japanese commander." The *Word* dropped depth charges, and the sub sank.

"We have attacked... submarine"
At 0645 the *Word* radiated an uncoded message to naval district headquarters: "We have attacked, fired upon, and dropped depth charges upon submarine operating in defensive sea area." Verification was requested in code, a time-consuming process. Officers were alerted and ordered the destroyer USS *Monaghan* to assist the *Word*. Most of Oahu remained unaware of the morning's events.



A Safety Message To All

Gary Follett
WØDVN

Saint Paul, MN, November 25th, 2025 – I had a scary incident a few minutes ago.

I was connecting a dummy load to a Johnson Pacemaker transmitter and got a whammy of a shock between the metal bench and the funny load case. After I recovered my composure, I measured the voltage seen on the center conductor of the SO-239 connector and measured 730 volts!

Having heard of their being a POSSIBILITY of a shorted plate blocking capacitor in these old radios, I held everything with a light grip. However, I did assume, as I am sure most of us assume, that Johnson had, like everybody else, placed an RF choke to ground at the output of the power amplifier. That choke is supposed to have a current rating sufficient to pull any stray high voltage to ground should that blocking capacitor fail, and blow the line fuse. Well, EF Johnson chose to not put this safety part into the Pacemaker and, I assume, every other transmitter they made in this era. I just checked the Valiant schematic and it also lacks this crucial safety part. Also, this transmitter has no T/R relay so the "cold" end of that blocking capacitor is connected directly to the SO-239 coax connector. Thus a pretty good current path existed between the plate supply and the ground of the dummy load, which was in my hand at the time.



I post this as a warning to all that, not matter how much experience you have, these old pieces of electronics never run out of surprises that, had I not been lucky enough that the mica blocking capacitor did not directly short across (it reads about 2 meg ohms), I would not be here to write this warning.

Don't assume ANYTHING. Don't even connect so innocuous a thing as a dummy load, with the transmitter powered. I am still shaking from this lesson, I don't want anyone else to learn this lesson the same way I did.

Update: November 26th – I do always work with one hand in the pocket when there is a PERCEIVABLE RISK of high voltage. I also use lock-out boxes on power cords of radios when I am working on them, something I also highly recommend. Safety has always been my prime concern and I have posted other warnings in the past so as to share things I have seen or experienced over 6.5 decades of working with high voltage electronics.

My point in even mentioning this is that I (we all) need to broaden my (our) definition(s) of what constitutes reasonable risk.

I, for one, will never again connect a coax or anything else to a tube radio while it is powered on, something I had previously believed to be intrinsically safe. That is my takeaway from this experience. I will also always question "PERCEIVABLE RISK" when I am working with any high voltage apparatus.

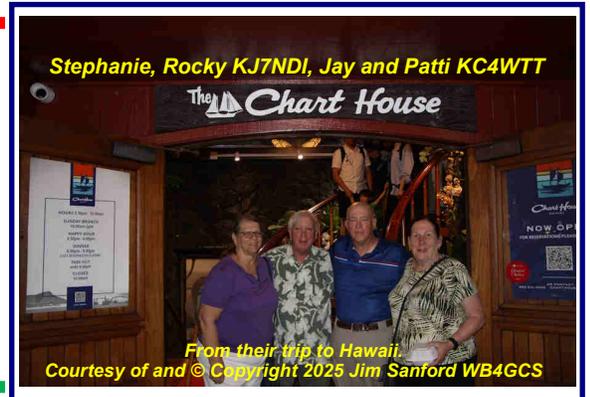


Hmmm.
There IS a resemblance...
Could it be?

...nah... but maybe...
Separated at birth?

What do you think?

Merry Christmas and
Happy Holidays!



Meeting Minutes

Continued from
Page 4

- Bill (W3WH) Motion to have pizza for December meeting with second by Kathy (KA3VXM). Voted and carried.
- Mike (WA3PYU) - Question for Tom: What class are you taking?
- Tom (KB3NIX) - Audio engineering
- Larry (K3VX) - Can use an off center fed dipole for 80/40/20 instead of one of the current dipoles used for Field Day as long as used for lower end of 80m. Also works for 10m.
- Bill (W3WH) - Richie and Carol are no longer going to activate Clarion County for PA QSO party.

Old business:

- Tom (KB3NIX) - Working with Dave (N3DFK) to set up and test Echolink.
- Tom (KB3NIX) - Mark (N3RDV) is going to reach out to Paul in regard to the club's 10m beacon

Good of the order:

- Eric (K3SGT) - Suggestion to add a position called "President Elect" for the purpose of somebody to be able to assist with being the president and learn the job.
- Bill (W3WH) - Motion to form a committee to explore Eric's suggestion with second by Eric (K3SGT) and will also serve on the committee and a suggestion to add Jim (WB4GCS). Tom (KB3NIX) also suggests Ron (W3WN). Will reach out to Ron and Jim.

Motion to adjourn Bill (W3WH) with second by Bob (N3RDG)

Adjourned at 7:52 PM 11/6/2025



26th Annual WASH Two Meter Contest Rules

This January marks the Twenty-Sixth Annual **WASH** 2 Meter Simplex Contest. We're looking forward for a chance to stretch our legs, our wheels, and our antennas once again!

Join us for a fun operating event, where you can hear some old friends, and maybe make some new ones, as well as net yourself a free Door Prize Ticket for **WASHFest 2026** just for submitting a log!

See you on the air!

Date & Times: Saturday, January 10th, 2026 from 7 to 10 PM EST. (That's January 11th 0000-0400 UTC to the purists!)

Objectives:

- ◆ To have fun!
- ◆ To make as many contacts as possible
- ◆ To have fun!

Band, Mode & Frequencies: The contest will take place solely on 2 meter band.

- ◆ **FM** : FM simplex only, no repeater contacts. The FM frequencies are all standard 2 Meter simplex frequencies, as per the ARRL 2 Meter Band Plan, every **15 kHz**, from **146.505 to 146.595 MHz**, and **147.450 to 147.580 MHz**.

Use of simplex frequencies in the "FM Experimental Simplex" band of 145.510 to 145.670 are not recommended. See list of recommended simplex channels at the end of the rules.

- ◆ **CW**: 144.05 to 144.1 MHz Only. (See ARRL 2 Meter band plan)

→ *Note: Listen for CW QSO's around 144.1 MHz 15 minutes after the hour*

- ◆ **SSB & AM**: 144.2 to 144.275 MHz Only. (See ARRL 2 Meter band plan).

→ *Listen for SSB & AM QSO's around 144.2 MHz 30 minutes after the hour*

- ◆ **Digital (including RTTY)**: 144.51 to 144.55 MHz. (See ARRL 2 Meter band plan) Multiple digital modes may be used, and participants are free to use any generally accepted Digital mode, but only ONE Digital QSO with a given station regardless of mode

→ *Listen for Digital QSO's around 144.51 MHz 45 minutes after the hour*

Important: If accidental QRM occurs with QSO's already in progress, please respect their use of the frequency and move (QSY) accordingly., Any operator found deliberately causing interference will be subject to disqualification.

Power Limit: Maximum 100 watts output.

Exchange: Callsign, ZIP Code. *Contact # is no longer required (This is NEW this year; this is like Field Day.)*

For the purposes of the contest, the 5 Digit ZIP Code for your location is sufficient — do not use the "Zip +4" code. Mobiles and portables should use the ZIP code of their location as determined to the best of their ability. Canadian stations will use their 6 digit postal code

Example 1: "N3ZCG from W8XK, my ZIP is 15347."

Example 2: "K3VX from K3CR, please copy 16802"

Example 3: "W3WH from W3OC, 15137"

Contacts : Work as many different calls and locations as possible, giving Exchange as noted above. Work each station once per mode, and **once** per ZIP Code — Mobiles can be reworked whenever they change locations. Remember hilltops work best!

Disqualification: Remember, this is a friendly "for fun" contest. Stations may be disqualified for infractions of the rules and for unacceptable operating practices. While not an inclusive list, stations may be disqualified for:

- FM signals transmitted on simplex channels below 146.505 MHz.
- Intentional interference to non-contesters, nets, & QSO's
- Intentional interference to other contest operators
- The committee reserves the right to verify QSO's. QSO's that can not be verified may be removed from the log without penalty.

Scoring:

For **Basic Points**, Each Contact Made:

→ A change of ZIP code resets being able to work a previous callsign.

→ If you are fixed, and work W1AW (Mobile) twice, once from one ZIP code, then again at another, that would be TWO contacts.

→ If you are MOBILE and move from one ZIP code to another, and work FIXED K7UGA twice from a new ZIP code, that would be a new contact

Phone (FM, SSB, AM):	1 point
CW :	2 points
Digital (any mode):	2 points

Power Multipliers:

Stations running 10 watts or less output:	3
Stations running over 10 up to 30 watts output:	2
Stations running over 30 watts output:	1

Scoring Calculations:

If you are a **fixed** station, accumulate your contacts based on your mode, then apply your power **MULTIPLIER**, then multiply that number by the number of unique ZIP codes.

Final Score—Total Contacts x Power Multiplier x # of unique ZIP codes multiplier.

For **Mobile Stations**: The same as above PLUS the number of unique ZIP codes operated FROM. Mobile operators get an additional multiplier since they do more work by driving.

Remember, the additional ZIP code multiplier can ONLY be used by those driving.

New This Year: Internet Logging and Scoring:

No more mailed in paperwork. You may use the web based logging/scoring web page in realtime as you operate, or you may transfer your data to the online form after the contest. [The link to the logger is being sent out to everyone on the WASH mailing list.](#)

The logger is an HTML file that you save to your browser, and works on multiple platforms. We encourage everyone to save the logger to your system as soon as it goes out, then play with it first BEFORE the contest.

RECOMMENDATION: When testing, use a bogus callsign for yourself because the backup files will use your callsign in the filename, and you don't want your practice files to get mixed in with the actual contest files. Again, play with the logger before the contest. As you go from one contact to the next, the file will save each time and you may have many files with different time stamps. This is a safety precaution. All the files will be saved on YOUR device, not online. More details to follow

Entry Deadline: February 1st, 2026

Logs submitted online will have their ticket available at the **WASH** Club Table at **WASHFest 2026**

Logs submitted with an SASE will have their ticket mailed to them, otherwise, the tickets will be available at the **WASH** Club table

Recommended FM Simplex Frequencies:

146.505 MHz	146.580 MHz	147.510 MHz	146.520 MHz (*)
147.450 MHz	147.525 MHz	146.535 MHz	147.465 MHz
147.540 MHz	146.550 MHz	147.480 MHz	147.555 MHz
146.565 MHz	147.495 MHz	147.570 MHz	

Simplex channels below 146.505 MHz are not to be used, as many of these are in use in WPA as repeater input frequencies.

(*) The National Simplex Frequency, 146.520 MHz, may be used.

However, many stations use 52 for casual conversation or as a calling frequency. If the frequency is in use or becomes used by non-participants, please permit them to use the frequency unimpeded.

To avoid interference to other contestants and other users of the bands, please do not operate on 5 or 10 kHz "offsets" from these recognized FM channels.

More information about the frequency selection can be found in the FAQ section on Page 5 of the Contest Rules.

Email Glen KE7FD at gorobertsdb@gmail.com



DX News Briefs & Announcements



S21SDX operation scheduled for November has been suspended “due to unexpected circumstances, including the impact of recent solar storm activity... the current conditions no longer allow us to safely and effectively carry out the DXpedition as intended.” The team is evaluating new dates and will announce a rescheduled timeline as soon as possible.

ZF2AA 40 meter SSB activity in November and previous months, including the CQ WW SSB, was that of a pirate. VE9AA reports that he has only operated CW via remote since last being at the location in person in 2022.

December YOTA: “The entire month of December, several youngsters will become active with YOTA as the suffix in the callsign. The idea for this is to show the Amateur Radio hobby to youth, and to encourage youngsters to be active on the ham radio waves.” More information including a list of participating stations can be found at <https://events.ham-yota.com/>

PJ7UK will be QRV through 7 December, HF and 6 as time permits. QSL via NØUK.

8Q7HT will be QRV through 8 December, holiday style while on his honeymoon, 40 – 6, mainly FT8. QSL via DL7MDX.

YYØERC will be QRV through 10 December from Ellesmere Island (NA-008) in his free time, 40 – 10, CW SSB and FT8. QSL via MØOXO OQRS only.

Z68BG will be QRV through 10 December, CW only during his free time. QSL via HB9TSW.

PY5/DL9GCR will be QRV through 20 December, primarily FT8. QSL via DL9GCR.

TT1GD will be QRV through approx.. 22 December, as time permits, HF, SSB CW FT4 FT8. QSL via TL8GD/ HF3GD

GB1SANTA will be QRV through 25 December. QSL via MØICR or as directed.

PA25SANTA will be QRV through 1 January. QSL via PA1AW.

CN2YD will be QRV through 31 March, 20 – 10, SSB. QSL via F6FYD.

TL8BNW will be QRV through June, 40 10 15 and 10, SSB and FT8. WSL via LotW.

4X19RAV will be QRV 7 - 12 December. QSL via LotW or ClubLog.

TG9/AF4CZ will be QRV 7 December – 5 January, in his spare time, 40 – 10, SSB and FT8/FT4. QSL via AF4CZ or LotW.

PT7/PY3RK will be QRV 20 December – 5 January from various WWFF and POTA reverences. QSL all via PY3RK.

C35CAN will be QRV 21 December – 18 January during the Arica Cup of Nations tournament. QSL as directed.

8P9CB will be QRV 18-30 January, 20 – 10, SSB and CW possibly some 10 meter FM. Some of the operations will be from POTA sites. QSL via WA7RAR; no SASE or GS needed, he will reply to all cards sent direct.

D4VR will be QRV 6 – 19 February from two different locations (AF-005 and AF-086). QSL via DVØVR

JW8EKA will be QRV 13 – 15 March from the Longyearbyen Clube Station (JW5E), 20 – 10, SSB and Digital. QSL via LA8EKA.

CYØS will be QRV 19 – 31 March. KØIR has been announced as joining the team. More information at <https://t-rexsoftware.com/cy0s/>. QSL via WA4DAN.

TK5K will be QRV 25=25 July in the RSGB IOTA contest. QSL via F8GGV.

QSL Routes

3B8M via MØOXO	HVØA via IKØFVC
3G1P via VE3KYC	IPØA via OM2FY
3V8LL via IT9TQH	KHØW via KCØW
3W9A via KUICW	KH6J via AH6OZ
4L2M via EA7FTR	M6C via MØHFC
4U2U via UA3DX	NP4DX via MØOXO
5C5ØAM via CN8AM	OHØZ via WØMM
5C5ØHV via CN8HV	OL2ØWRTC via OK6RA
5X1XA via G3SWH	OS9ØOSA via ON6EF
5X7W via MØOXO	PB39EUDXF via PA1AW
7R1N via 7X2VFK	PF39EUDXF via PA1AW
8A8ØRI via N2O	PG6NTC via PG4I
8P5A via HA1AGO	PH39EUDXF via PA1AW
8Q7XX via DK6AS	P44W via N2MM
9L9L via IK2VUC	PI4M via PE1RWL
9Y9DX via WA3DX	PJ4A via K4BAI
A99AA via EC6DX	PJ4K via KU9C
AH2R via WI3O	PR5M via PP5BZ
AO15ØLE via EB4GSN	PZ5DX via UA2FM
C5A via YT3PL	S21SDX via I8KHC
C53A via YT3PL	SN27ØT via SP3PMA
C6AQQ via EA5GL	T88AR via K7AR
CP7DX via LU1FM	TI8X via EA5GL
CQ3W via DF7EE	TK5K via F8GGV
CQ9A via CT9ACD	TO2FY via F4GPK
CR3A via OM2VL	TO7A via UT5UGR
CR3B via GU4YØX	TY5FR via DL1BUG
CR6I via EA1CBX	V26K via AA3B
CT9ABZ via S53K	V31CQ via K5PS
CX6TU via EA7FTR	V47R via W2RQ
DL39EUDXF via PA1AW	V73RK via DK7PE
E2A via E21ETC	VK9DX via YT3D
E7DX via E73Y	VP2MAA via IK2DUW
EF8R via EB7DX	VP2MRL via DL9DRA
EK8A via EK6SS	VP9I via WW3S
GJ2A via MJØASP	VYØERC via MØOXO
HA39EUDXF via PA1AW	Z66BCC via DL2JRM
HQ9X via KQ1F	Z58XX via DL2JRM
	ZF2RJ via NF3R

Intrepid DX-Group News Release

Paul S. Ewing N6PSE
President, Intrepid DX-Group

San Jose, CA (via Facebook), November 19th, 2025 — The Intrepid-DX Group has been working hard over the years to gain permission to activate Kure Atoll, Johnston Island and most recently Midway Island.

This is our most recent response:

“Midway Atoll National Wildlife Refuge and Battle of Midway National Memorial are currently closed to public visitation due to limited infrastructure and staffing needed to support visitation while safeguarding sensitive wildlife. Midway Atoll is a critical sanctuary, home to millions of seabirds, shorebirds, ducks, and various marine life. The atoll provides a rare, predator-free refuge for the endangered Laysan duck, Laysan finch, and birds protected under the Migratory Bird Treaty Act, including the world’s largest Laysan and black-footed albatross colonies.

The current management focus of Midway Atoll is ensuring the safety of personnel, fulfilling its conservation mission, and preserving the national memorial.

To consider Amateur Radio operation, the Service would first need to complete a formal compatibility determination to ensure the activity does not interfere with or detract from the purposes of the refuge and monument.

At present, available staff and operational capacity are fully committed to essential priorities, including maintaining human health and safety, historical preservation, and wildlife and habitat conservation.

Until we can confirm that additional visitor use can be safely supported without compromising the refuge’s mission, only these priority refuge activities can be accommodated. Feel free to continue checking in on the status of a compatibility determination, but I don’t see anything changing in the upcoming months.”

We will keep trying.



Thanks to DL1SBF, KB8NW, NG3K, the DX-QSL Reflector, 425 DX News, DX Coffee, DX World.Net, ICPO Bulletin OPDX Bulletin and ARRL DX Bulletin for our DX News information.

Thanks also to the ARRL DXCC Desk, & Bernie McClenny W3UR /The Daily DX for confirmations & additional information.

Rebel DX Fund & Support

Rebel DX Group
Edited by OPDX

Facebook, November 9th, 2025 – To all operators who were denied support or grants from DX foundations or clubs — we've got your back. If you have a great idea for a DXpedition but struggle with permits, lack the right gear, or can't afford transport — we're here to help. We can assist you with:

⚡ Equipment and logistics: 15 expedition radio sets, 15 ultra-light laptops, unlimited power supplies, 5km of coax, different type of antennas, 6 x 5.5kw diesel generators, tents, tables, chairs and so on.

⚡ Potential financial support (can be negotiated)

⚡ Sea transport to any corner of the world: 3 vessels available for different types of operations:

-50m Southern Ocean-going vessel with R44 on board and permit for Antarctica

-33m vessel for Pacific area

-18m and 15m catamarans for lightweight expeditions around Pacific islands

We own our own equipment and marine transport, and we're ready to help make your expedition happen.

This offer is especially for those who hit a wall trying to get help elsewhere. Don't give up — join the Rebel way.

✉ SEND YOUR PM to Rebel DX Group today. We will provide you our application and you can start your dream trip preparations



[#RebelDXGroup](#)
[#DXpeditionSupport](#)
[#HamRadio](#)
[#DXCommunity](#)
[#RebelSpirit](#)

Norway Proposes New Restrictions to Remote Operation from Places Like Bouvet Island

According to a Blog post from EI7GL, the regulator for Amateur Radio activity in Norway, Norwegian Communications Authority (NKOM), announced on November 24th new restrictions on remote control of Amateur Radio stations.

"To prevent abuse, it is proposed to ban remote control of amateur radio stations if the amateur radio operator is not physically located on the same land area... This measure will help ensure fairness and integrity in amateur radio activities, and prevent anyone from exploiting the system for personal gain." (Via Google Translate)

The press release from NKOM, which includes other changes and updates as well (including a new license class called the Beginner License) can be found at <https://nkom.no/aktuelt/radioamatorvirksomhet--forslag-til-endringer-pa-horing>

Harrisburg RAC Winterfest 2026

Saturday, January 11th, 2026, 7:00 AM—11:00 AM

Vietnam Veterans of America #542

8000 Derry Street,, Harrisburg, PA 17111

DXCC, WAS, VUCC Card Checking Available

Admission \$5

More Information at <http://www.w3uu.org/winterfest/>



Two Rivers ARC 54th Annual Hamfest

Sunday, April 19th, 2026, 8:00 AM—12:00 Noon

Lincoln Borough VFD # 184 Social Hall

4312 Liberty Way, Elizabeth, PA 15037

Talk-in on 147.120 (131.8 PL) — Mobile Check In 146.52

Admission \$5

More Information at <https://www.trarc.org>





WASH Classifieds

Information shown here is as supplied to the **WASHRag**. Condition as stated, and all sales should be considered "as-is" unless otherwise noted. All subject to prior sale or withdrawal from sale at the owner's discretion. All responsibility for this information lies with the source and not the **WASHRag** or the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.**

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Lazaroff & Suhr, Attorneys at Law
 277 West Main Street, Saxonburg, PA 16056
 Phone: 724-352-4905

The **WASHRag** Masthead is courtesy of Jeff Murray K1NSS, creator of DASHToons & Dash the Dog Faced Ham!!

Find the online cartoons and stories of Dash the Dogfaced Ham & more at <https://www.jeffk1nss.com> !

Shop for Dash items at his online store on Café Press, www.cafepress.com/shopdash



Newington, CT, November 19th, 2025 -- NOAA's National Weather Service (NWS) has announced the cancellation of **SKYWARN™ Recognition Day (SRD) 2025**.

The necessary time and resources required to plan a comprehensive national event for SKYWARN™ Recognition Day 2025 are not available this year. Thus, the difficult decision was made to cancel this year's event by the NWS.

The NWS will work with ARRL and SKYWARN™ spotters to brainstorm ideas to redevelop a spotter appreciation event in 2026.

ARRL, which has a [Memorandum of Understanding](#) with NWS, emphasized the strength of the long-standing partnership behind the event. "ARRL is proud of the continued partnership with the National Weather Service to promote and recognize SKYWARN and the volunteers around the country. We look forward to working together to revitalize and promote SKYWARN Recognition Day again next year," said Josh Johnston KE5MHV, ARRL Director of Emergency Management.

Established in 1999 by the National Weather Service and ARRL, SKYWARN Recognition Day celebrates the critical contributions SKYWARN volunteers make in supporting the NWS mission to protect life and property. Amateur radio operators constitute a significant portion of these volunteers, providing essential communication links between NWS and emergency management agencies when traditional communications fail.

The NWS-ARRL SRD National Committee extends its appreciation to all SKYWARN volunteers for their dedication and service to their communities, and offers best wishes for a safe and happy holiday season.



If you've downloaded the **WASHRag** from the N3SH web site, or picked up a copy from a friend... you can sign up to have the PDF copy sent directly to your email. You **do NOT** have to be a member of **WASH!**

Just send an email to w3wn@n3sh.org & we will take care of the rest!

Has Roadway found the tower yet?



FCC News

Courtesy of the American Radio Relay League

Newington, CT, November 20th, 2025 – [ARRL](#) reports that the FCC has extended the filing deadline to March 5th, 2026, for amateur radio licenses that otherwise were due to expire from October 1st, 2025, to March 5th, 2026. The announcement is included in an FCC Public Notice ([DA-25-943](#)) released on Monday, November 17th, 2025.

The news follows the recent reopening of the federal government on November 13th, following a lengthy 43-day shutdown. Since reopening, many federal agencies, including the FCC, have resumed activities, though reducing backlogs and rebounding to full operations may take some time. This includes significant delays in filing amateur radio license applications.

The FCC Public Notice includes:

For personal radio licensees (i.e., Amateur, Ship, Aircraft, GMRS, and Commercial Operator Licenses), renewal filings originally due on October 1st, 2025, through and including March 5th, 2026, are now due on March 5th, 2026. Further, we confirm that licensees whose licenses have expired and whose renewal filing deadlines have been extended above may rely on their timely renewal filing (by the extended deadline) to support continued operation pursuant to [section 1.62 of the Commission's rules](#).

ARRL Volunteer Examiner Coordinator (ARRL VEC) Manager Maria Somma AB1FM explained that the announcement means that amateurs whose license expired, or will expire, between October 1st, 2025, and March 5th, 2026, may continue to operate upon completing a license renewal filing by March 5th, 2026.

Somma added the FCC ULS systems are intermittently available again, which include the license manger system, FCC license search, and application search databases, as well as the CORES system.

The FCC had also briefly resumed accepting application filings via its Electronic Batch Filing (EBF) system on late Wednesday afternoon, November 19th. "The EBF system is used by ARRL VEC and all VEC organizations to file exam sessions, new and upgraded licenses, as well as individual and club license filings, none of which are not being processed at this time," said Somma.



US Amateurs by Class as of December 1st, 2025:

Novice	5942	0.707%
Technician	417,157	49.65%
General	204,437	24.33%
Advanced	33,039	3.9319%
Extra	167,539	19.94%
Club	12,158	1.44%
Total	840,272	

Information courtesy of [AE7Q.com](#), based on FCC ULS Data .

PA Amateurs by Class as of December 1st, 2025:

Novice	278	1.039%
Technician	11,819	44.19%
General	6,866	25.67%
Advanced	1,317	4.924%
Extra	6,031	22.55%
Club	435	1.626%
Total	26,746	

Information courtesy of [AE7Q.com](#), based on FCC ULS Data

Latest Region 3 Sequential Calls, Issued as of December 1st, 2025:

Group A	AC3PY
Group B	KF3EW
Group C	(none available / all issued)
Group D	KD3CEF

Information courtesy of [AE7Q.com](#), based on FCC ULS Data



WASHfest 2026

The South Hills Hamfest — Now in our **THIRTIETH** big year!
Sponsored by the WIRELESS ASSOCIATION OF SOUTH HILLS AMATEUR RADIO CLUB, INC.

Sunday, February 22nd, 2026

8:00 AM until 3:00 PM Rain or Shine (or Snow!)

Home Economics Building, South Park

3735 Buffalo Drive, South Park Township, PA 15129

Behind the Allegheny County Police Station on Brownsville Road

Talk-In on 146.955(-) and 443.650(+) 131.8 PL

Donation \$5



(800) 545-8881



Breakfast & Lunch will be available!



FREE Coffee for the entire Hamfest
courtesy of **HAM RADIO INSURANCE ASSOCIATES**
of Canonsburg, PA



MAIN PRIZES

First Prize: ICOM IC-7300 MK2 Transceiver

Second Prize: TBA

Third Prize: TBA

Additional Hourly Door Prizes! 2 Special Black Box Prizes (Separate Drawings)!

Main Prize tickets are \$2.00 each, 3 for \$5.00, 7 for \$10, 15 for \$20, 40 for \$50, 90 for \$100

All Prizes Subject to last-minute changes

For Table Reservations, or More Information, Please Contact:

Carol Danko KB3GMN at (412) 884-1466 n3sbf@comcast.net

E-mail us directly at washarc@yahoo.com Check out our website too! www.n3sh.org

Please Note: Early Table Reservations must be paid in full on or before January 31st, 2026.

Reservations received after February 1st, 2026 must include payment in full.

Reserve now... we have sold out in advance fifteen years running!

Hamfest Table Reservation Form—Please PRINT LEGIBLY ALL INFORMATION

Name: _____ Email: _____

Address: _____

Phone: () _____ - _____

City: _____ State: _____ Zip: _____

Call Sign: _____

Tables WITH Electricity: _____ X \$15.00 = _____

Tables WITHOUT Electricity: _____ X \$12.00 = _____

Please make all checks payable to:
WIRELESS ASSOCIATION OF SOUTH HILLS
PLEASE MAIL RESERVATION TO:
WASHFEST 2026
c/o CAROL DANKO KB3GMN
4246 Seton Drive
Pittsburgh, PA 15227-1244

We reserve the right to resell any tables not occupied by 8 AM, unless prior arrangements have been made!



WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

Membership Application, New or Renewal



I would like to join WASH! I am interested in the following type of membership: **New Membership** **Membership Renewal**

(check quarter _____)
(check one)

	<input type="checkbox"/> 1st Qtr Jan-Mar	<input type="checkbox"/> 2nd Qtr Apr-Jun	<input type="checkbox"/> 3rd Qtr Jul-Sept	<input type="checkbox"/> 4th Qtr Oct-Dec
<input type="checkbox"/> (F1) Full Membership:	\$20.00	\$15.00	\$10.00	\$5.00
<input type="checkbox"/> (F2) Full Membership < 18 or > 65 yrs of age:	\$10.00	\$7.50	\$5.00	\$2.50
<input type="checkbox"/> (A1) Associate Membership:	\$10.00	\$7.50	\$5.00	\$2.50

(FM1) Family Membership (\$3.00 x No. of household family members): \$ _____

Name(s): _____

Name: _____

Call Sign: _____

Address: _____

License Class: _____

City, State: _____

Expires On: _____

Home Phone: _____

Work Phone: _____

Email Address: _____

Birthday: _____

New Members Only:

- I do NOT want to be added to the Club E-Mail Reflector
 - I do NOT want to be added to the Electronic Newsletter Mailing List
- (If you have an Email address, you Will be added to both lists UNLESS you choose to Opt-Out)

ARRL Member? Yes No Family ARRL Member? Yes No

Date: _____

Signature: _____

Amount Enclosed: \$ _____

N3RDV has requested that all membership requests and renewals include an application so that his information is up to date

Please make your check or money order payable to the club treasurer, Mark Stabryla. The Wireless Association of South Hills, Inc. reserves the right to accept or reject new memberships or renewals. Please return completed membership form along with check/money order to the club treasurer or mail to:

WIRELESS ASSOCIATION OF SOUTH HILLS, INC.
c/o Mark Stabryla N3RDV, VP/Treasurer
1120 McKnight Drive
Bethel Park, PA 15102-2456



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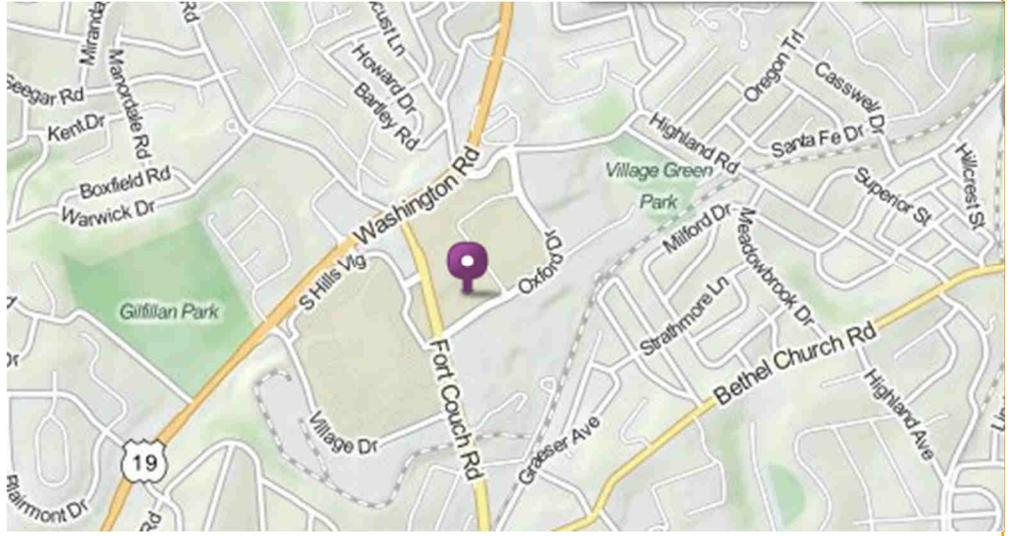
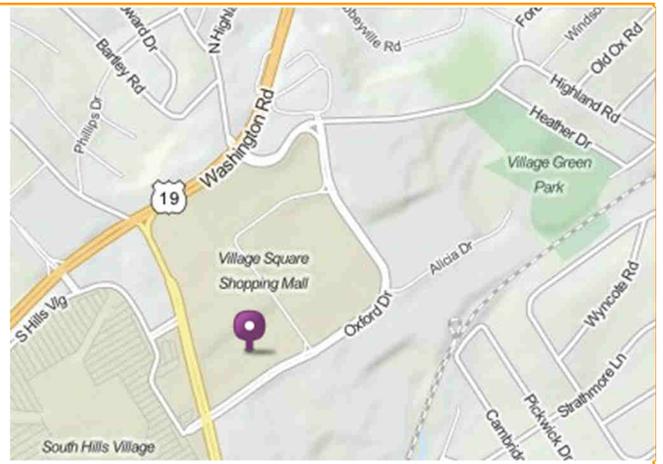


2025 WASH Meeting Location

**St. Clair Health Outpatient Center Village
Square Conference Room**

2000 Oxford Drive, Bethel Park PA 15102

Adjacent to Village Square Mall, across Ft. Couch Road from
South Hills Village Mall, just off of US Route 19



The WASHRag

Wireless Association of South Hills, Inc.

Ron Notarius W3WN, Editor

3395 Rosewood Drive

Castle Shannon, PA 15234-2546



N3SH / WA3SH
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