

WASHRAG™



VOLUME 25 ISSUE 10
OCTOBER 2023

Wireless Association of South Hills

PROOF 2023

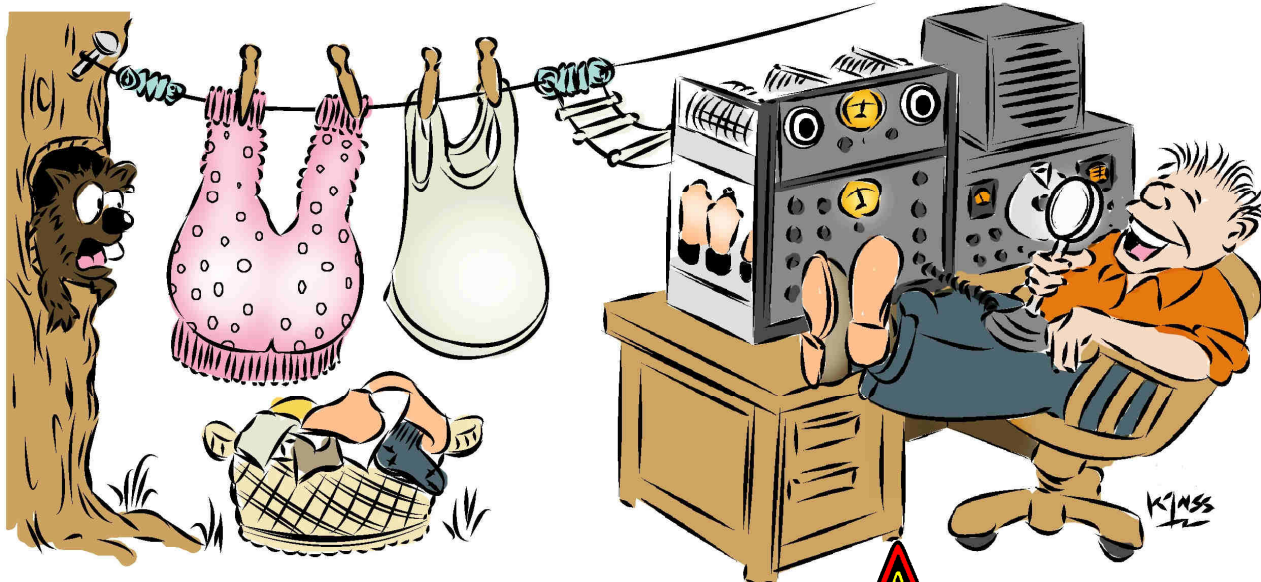


N3SH WA3SH NP2SH/B

www.n3sh.org



Wireless Association of South Hills



WASHRAG™



VOLUME 25 Issue 10

OCTOBER 2023

Next Monthly Meeting: Friday, October 6th, 2023

The next scheduled meeting of the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. will be on **Friday, October 6th, 2023**, starting at 7 PM, at the **ST. CLAIR HOSPITAL OUTPATIENT CENTER CONFERENCE ROOM**, 2000 Oxford Drive, Bethel Park PA 15102, adjacent to Village Square Mall, across from South Hills Village Mall, just off US Route 19.

Topics Include: Pa QSO 2023, 2024 Officers Elections, and much more.

See you there!

Cover: KB3CMT Mobile in the 2021 Pa QSO Party

Photo courtesy of and © Copyright 2021, 2023 Curtis Turner KB3CMT

WASH 2023 OFFICERS

EXECUTIVE COMMITTEE:

President	Curtis Turner KB3CMT
VP / Secretary	Nathan Suehr KC3GMM
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 2024 Committee	Ron Telek W3LE, Chair
	Bill Hill W3WH
	Glen Roberts KE7FD
Activities & Operating Events	Rick Bell KB3IAC
Ways & Means	Carol Danko KB3GMM
WASH 2M Contest Chair	Chuck Bihun KC3ELA
Field Day 2024 Coordinators	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.

This issue is © Copyright 2023 by the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.**

Editor & Publisher: Ron Notarius W3WN

Permission is granted to other Amateur Radio publications to reprint articles in this issue, provided the original author and "The WASHRag™" are given credit. Comments, articles, and requests for copies of or information about "The WASHRag™" should be mailed to the editor:

Ron Notarius W3WN
3395 Rosewood Drive, Castle Shannon, PA 15234-2546
e-mail: newsletter@n3sh.org or w3wn@arrl.net

"The WASHRag", "The Mariner", SHARCfest, South Hills Hamfest, WASHfest, WASHfest 2022, N3SH Net, WA3SH Net and WASHNet are trademarks of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.**

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 TBA

The Next WASH VE exam session will be on Thursday, September 28th, 2023, 7:00 PM, at WPXI, 4145 Evergreen Road, Pittsburgh PA 15214. (Note: Final confirmation of date and time not available at deadline, please confirm with Grant KC3MLC before heading to the test session!)

The dates and locations for upcoming VE Exams have not been set yet.

As soon as the information is available, it will be published in the newsletter and on the N3SH website.

Thank you for your patience!

Pre-registration is 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

Curtis's Reflections

Editor's Note:

Curtis was unavailable to give us a few words prior to deadline.

So we will take this opportunity to remind everyone that this month's meeting is on Friday, not Thursday, due to room availability!



— 73, Curtis Turner KB3CMT
President, WIRELESS ASSOCIATION OF
SOUTH HILLS, Inc.
N3SH / WA3SH / NP2SH

At the 21st International Amateur Radio Union World Amateur Radio Direction Finding (ARDF) Championship in Liberec, Czech Republic, held August 27th through September 2nd, 2023, USA competitors won a silver medal for an individual competition, as well as two bronze team medals. ARDF, also known as radio orienteering, is a multi-skill sport that involves running and navigation using only a map and compass. Competitors use a 2-meter (144 MHz) or 80-meter (3.5 MHz) radio receiver to locate multiple transmitters hidden in a forest. The sport directly applies to important activities such as search and rescue, wildlife tracking, airborne and seaborne navigation, and communications. The competition at the championship in Liberec involved mountainous terrain, intricate navigation challenges, periods of rain, and elite racing. The USA fielded its largest team ever, including 21 athletes, with seven competing in a world championship for the first time. The (IARU) and Czech Radio Club hosted the event in the mountainous region of North Bohemia, with 28 countries and nearly 400 racers attending.

Reminder: The October WASH Meeting location will be back at The St. Clair Hospital Outpatient Center in Bethel Park! Note that this month, we are meeting on FRIDAY as the room is already booked by another group.

Map and directions are on Page 14. Meeting begins at 7 PM.

September 30th was an unexpectedly beautiful morning, more reminiscent of Spring than Fall. Not that that ever stopped the **WASH BREAKFAST GANG** from congregating at the **McMURRAY EAT'N PARK, 3380 WASHINGTON ROAD**. This month brought together W3WH, WB4GCS, N3FB, KB3GMU, WA2YEZ and W3WN. Discussion topics included gutter antennas, moving day, no secrets, Franks' RF meter, hiring and promotion politics, PA QSO Party plans, loop antennas, bad (heart) valves requiring surgery, the Pirates season is about done,,, is the Steelers season as well?, new airport terminal construction, and a ton more.

Looking forward to seeing as many as possible at our next gathering, pre-Halloween, on Saturday, October 28th, at the **McMURRAY EAT'N PARK, 3380 WASHINGTON ROAD**. Mark your calendars, and hope to see you there!

PA QSO 2023 is upon us. We really hope to see as many club members on the air as is possible or practical. Teams are going out to multiple counties to operate portable, as usual, and many others are staying home and operating as they can. If you haven't made any plans and want to get involved, please speak up and let someone know! Arrangements can be made, for anyone interested! Not sure because you haven't done it before, or don't think you have the experience? A fun event like this is one of the best ways to start, so don't let that stop you!

This month **kicks off the Fall Contest season**. Pa QSO, Ca QSO, and a whole bunch of other State QSO Parties, Sweepstakes, CQ Worldwide... the bands will be very active for most of the next few weekends (NFL and NHL notwithstanding!). Hope to see a lot of activity, and again, don't let inexperience stop you!

Which is a good time to remind you... the days are growing shorter, and it will soon be getting colder. Now is the time to work **on those outdoor antennas**, while the weather is still in a cooperating mood!

And yes, that also means that the **WASH 2 Meter Simplex Contest** and **WASHFest 2024** will both be here before you know it!

2024 Officer Elections are coming up. Curtis KB3CMT has done a fantastic job as WASH Club President the last few years. But, alas, **all good things eventually come to an end**, and he's announced that he won't be running for re-election for 2024. Nominations should be coming up this month — so now is the time to start thinking about it.

If you're an **ARRL** member, you should have received by now an email from the League about the upcoming elections for the **ARRL Atlantic Division Vice Director**. You can vote electronically (details in the email) or you can vote traditionally by mail. The important thing is to vote! We had hoped to have information from the candidates by now, but nothing has been sent out yet. We hope to be able to cover this by next month. In the meantime, when you get your ballot, please don't ignore it. Please vote!

On that same note, don't forget to let the **ARRL Board of Directors** members know how you feel about the recent dues increase, the increase in cost of printed/mailed QST, and anything else. If they don't hear from you, they won't know how you feel, and won't take your concerns into account. There is a time to be quiet. This is not one of those times. (Not an ARRL member? Tell 'em anyway!)

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

Minutes, September 7th Meeting

Nathan Suehr KC3GMM, Vice President / Secretary, WASH

Call to Order: 19:05.

Pledge of Allegiance, Moment of Silence for Silent Keys and others deserving.

Roll Call. 15 Members, 0 Guests Present

Committee Reports:

Treasurer: Financial report provided electronically by Mark (N3RDV) and read by Nathan (KC3GMM). Motion to accept by Bill (W3WH) with second by Glen (KE7FD). Voted and carried.

Secretary: Nathan (KC3GMM): August meeting minutes published in the September WASHRag. No corrections to the minutes. Motion to accept by Jeff (N3JSF) with second by Frank (N3FB). Voted and carried.

Repeaters: Frank (N3FB) - Repeating

WASHNet: Chuck (KC3ELA) - Moving along nicely. Jim (WB4GCS) - Good conversation.

Thursday Night Tech Net Glen (KE7FD) - Last winner was Jeff (N3JSF). Email asking if anybody is interested in going to NWS tour. Will come up with a topic.

Public service: Larry (K3VX) - Great race looking for volunteers. Event is at the end of September.

Newsletter: Curtis (KB3CMT) - Newsletter is out and published on the web site.

VE: Curtis (KB3CMT) - Grant (KC3MLC) looking to schedule session.

Ways & Means: Ron (W3LE) - Carol (KB3GMN) has found a good deal on a prize for the hamfest but if we buy it ahead of time, the clock is ticking on the warranty. There may be deals around Christmas time. Suggesting HF rig for first prize and a generator as second prize. Looking for third and fourth prizes. Putting together budget for prizes.

Contests: Larry (K3VX) - No report.

New Business:

- Bill (W3WH) - Has a backup meeting room available.
- Curtis (KB3CMT) - St Clair room is booked for us for Friday, October 6th. Moving October meeting to that date.

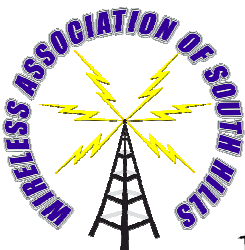
Old business: None.

Good of the order:

- Message for the group about symptoms leading up to when he discovered heart issues.
- Glen (KE7FD) - Has a Icom AH4 tuner for sale if anyone is interested.
- Larry (K3VX) - Has a demo of RigExpert with AntScope as well as a cable length measurement device.
- Curtis (KB3CMT) - 9/11 Anniversary. Remember and reflect and thank a service member.
- Jim (WB4GCS) - Shared a reflection about his day on 9/11.

Motion to adjourn: Harold (K3HCR) with motion to adjourn and second by Jim (WB4GCS). Voted and carried.

Adjourned at 7:30 PM 9/7/2023



WASH Spotlight: N3JSF



For having the correct answer at the August TTTT, Jeff N3JSF was presented with a JBL Headset by Glen KE7FD, with Curtis KB3CMT observing. Congratulations!

Photo courtesy of and © Copyright 2023 Glen Roberts KE7FD

Every month we're going 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

AA3MR	KC3ELA	NY9H	WASH FL	WASH TN	Silent Keys
AC4KU	KC3GMM	W3DTP	KA3UPY/M	K3OL	
AE3DL	KC3MLC	W3LE	WASH NE	KE3XB	AB3KA
K3GW	KC3OCT	W3WH	N0PEU	N3YPB	AB3ED
K3HCR	KC3RGV	W3WN	WASH OH	WASH TX	AC4KU
K3SGT	KC3TEU	W8LEV	N8DPW	NB3C	AD3Q
K3VX	KC3UUK	WA2YEZ	WASH OR	K3LGM	K3EED
K3WPL	KC3VQR	WA3PYU	KB3NVL	KB3IJX	K3LIE
K6DWR	KC4WTT	WA3VSS	KB3NVM	Jane Wagner	KA3NMG
KA3VXM	KE7FD	WB4GCS	N0VLR	WASH VI	KB3ENX
KB1CKF	N3DFK		WASH SC	NP2JF	KB3FNM
KB3BYA	N3FB	Melissa	N8NEU		KB3FOT
KB3CMT	N3IDH	Greenwald			KB3JHQ
KB3GMN	N3JSF	Charlotte			N3BPB
KB3GMU	N3KFD	Peterson			N3CZZ
KB3GUZ	N3RDV	Charmel			N3FZ
KB3IAC	N3SBF	Spirk			N3HKQ
KB3IVX	N3UE				N3KEH
KB3JHR	N8NEU				N3OBD
KB3NIX	NB3C				N3RNX
KB3YCX	NL7XM				N3SKR

If your call should be listed here & isn't, please contact Mark N3RDV

Through September 30th, 2023

List compiled by

Mark Stabryla N3RDV, Vice President/Treasurer

AB3KA
AB3ED
AC4KU
AD3Q
K3EED
K3LIE
KA3NMG
KB3ENX
KB3FNM
KB3FOT
KB3JHQ
N3BPB
N3CZZ
N3FZ
N3HKQ
N3KEH
N3OBD
N3RNX
N3SKR
N3SRC
N3ZEL
N3XFE
W3ZLK
W4ZE
WA3JPP

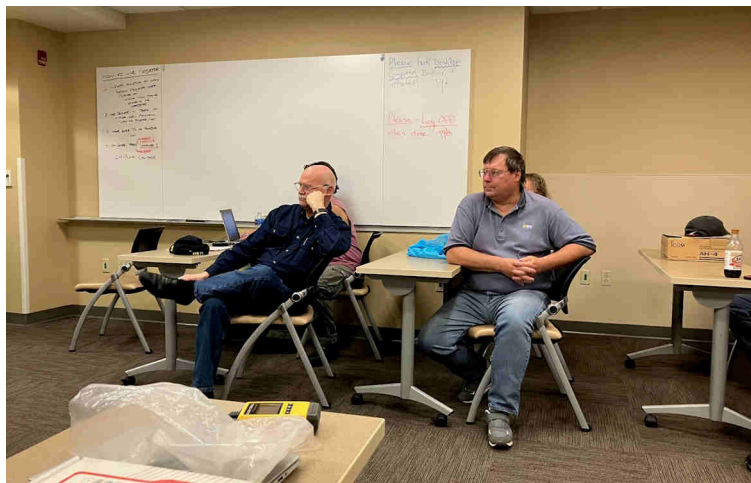
2023 WASH Upcoming Events Calendar

Club Meetings & Other Significant Events — Subject to Change

October 6 th	WASH Meeting	St. Clair Hospital Outpatient Center Conference Room, 2000 Oxford Drive
October 7 th — 8 th	58 th California QSO Party	http://www.cqp.org
October 14 th — 15 th	67 th Pennsylvania QSO Party	https://paqso.org
October 14 th — 15 th	Nevada QSO Party	http://nvqso.com
October 14 th — 15 th	Oceania DX Contest CW	https://www.oceaniadxcontest.com
October 28 th — 29 th	CQ Worldwide DX Contest Phone	https://www.cqww.com
November 2 nd	WASH Meeting	St. Clair Hospital Outpatient Center Conference Room, 2000 Oxford Drive
November 4 th — 6 th	ARRL Sweepstakes CW	http://www.arrl.org/sweepstakes
November 18 th — 20 th	ARRL Sweepstakes Phone	http://www.arrl.org/sweepstakes
November 25 th — 26 th	CQ Worldwide DX Contest CW	https://www.cqww.com
December 1 st — 3 rd	ARRL 160 Meter Contest	http://www.arrl.org/160-meter
December 7 th	WASH Meeting	St. Clair Hospital Outpatient Center Conference Room, 2000 Oxford Drive
December 9 th — 10 th	ARRL 10 Meter Contest	http://www.arrl.org/10-meter
December 30 th — 31 st	Stew Perry Top Band Challenge	https://www.kkn.net/stew
December 31 st — January 1 st	Straight Key Night	http://www.arrl.org/straight-key-night
January 4 th	WASH Meeting	St. Clair Hospital Outpatient Center Conference Room, 2000 Oxford Drive
February 1 st	WASH Meeting	St. Clair Hospital Outpatient Center Conference Room, 2000 Oxford Drive
February 25 th	WASHFest 2024	Home Economics Building, 3735 Buffalo Drive, South Park

"Seen" at the September Meeting

Photos courtesy of and © Copyright Bill Hill W3WH



Photos courtesy of and © Copyright Glen Roberts KE7FD

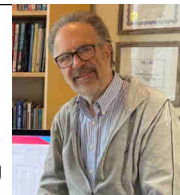


Larry Comden K3VX gave a presentation on testing coax with a RigExpert and a cable tester



Gear

Dave Jensen W7DGJ

<https://www.qrz.com/trials-and-errors>

Scottsdale, AZ, September 12th, 2023 – POTA activations are so much fun, but they can be stressful at times. Perhaps you'd enjoy getting up and seeing some of the park you've activated after an hour or two of those pileups. On one recent outing my fingers were blistered from hitting the push-to-talk button. I must have caught the propagation just right or maybe the park I was in was really in demand. I felt like a DX station on some rare entity, and after an hour or two I needed a break. Have you considered inserting a hike or even a snooze under a shady tree into your portable radio routine? It's entirely possible when you switch over from POTA to WSPR!

WSPR is an acronym for Weak Signal Propagation Reporter. It is a protocol, implemented in a weak-signal radio computer program written by Joe Taylor, K1JT. It's by far the easiest of the digital modes to get involved with, as it's exclusively one way transmission. It can be accomplished through a variety of very small gadgets.

Here's how I use WSPR...When I take a break from the activation, I take all my gear back to the car but leave my antenna up. I then attach one of Zachtek's tiny little WSPR transmitters to my coax, along with a cell phone battery pack. The total gear you need for this is about the size of pack of cigarettes, so you can hide it under a bush and walk away securely. (First, you set it up with a laptop in about two or three minutes). Harry Zachrisson builds these great little devices by hand over in Sweden, and they pack an unbelievable punch for about \$150.

I bought one and matched it up with my POTA whip for a couple hours of one-way beacon transmissions. I plugged it into my laptop after a hike and found out that this little transmitter of a fifth of one watt had been heard on both coasts of the USA, in Australia, New Zealand, British Columbia, and get this...Antarctica! All of this on an inexpensive Chinese vertical. I've lately been using it with an Alpha and also with a Chameleon, and getting even more stunning results. You'll get a great map of who's hearing you from the official WSPR website, and it will inspire you once again with the thought of how cool radio can be (and how valuable a tool your portable transceiver can be for emergencies).

Even if you've had a dismal POTA outing, you'll feel good about the map the WSPR website builds that shows your antenna's performance. For that matter, along with an antenna analyzer, it's a great tool for tuning your antenna. With the right gear, WSPR can be just another fun aspect of portable ham radio.



One of the handiest ham accessories I've ever run across is a large "bulldog clip" that will attach to just about anything, whether it be a cattle fence or a stop sign in a local park (I've done both). This clip changed my portable activations from the moment I brought it along. The Workman QRCS3 is a simple and inexpensive connector, built like a Mac truck, that allows a mount from just about any angle – vertical or horizontal. It has a big (powerful and strong) jaw that adjusts to 2.5 inches in full open; it ensures a solid connection due to all the "teeth" gripping the surface. A smoothly rotating bracket on the QRCS3 can be adjusted with an Allen wrench to any position and no matter what angle it is attached to that fence, it will hold your antenna upright.

I use this mount with a whip and coil, or it holds one end of a dipole. I've never experienced a situation where it wasn't helpful in some way. It's produced by Workman Electronic Products out of Ohio and is available from several sellers on eBay and Amazon for \$20-\$25 shipped. Like many other ham radio accessories, other companies or dealers buy and resell this as their own, so ensure you don't pay the \$50 or \$60 they are looking for (Chameleon and others will resell this device as theirs).

Another cool piece of gear that I couldn't live without is the CamJam. Used for a quick tie-down of an antenna support rope, or to tighten up one end of a dipole, for example, this device makes everything quick and easy. It's available in a couple of sizes, and both plastic and metal versions. Chris KF7P introduced me to these, and I'm now spoiled for life. You can find them on the website of KF7P Metalwerks, at KF7P.com.

An interesting part of radio history is the story of the first full amateur station marketed commercially to the public. The inventor and marketer of the "Telimco Complete Outfit" was an early enthusiast by the name of Hugo Gernsback. Gernsback packaged up this transmitter, receiver, and antenna and sold the entire package into the consumer market, advertising it in the pages of *Scientific American* beginning in the fall of 1905. The Telimco was exclusively for sending and receiving telegraphic dots-and-dashes, as it included a spark gap transmitter and a tapping-coherer receiver. His "outfit" also included four batteries to power the gear. The price? An astounding \$8.50, shipped. While (of course) that amount meant a great deal more at a time when you could buy an egg and cheese sandwich for a nickel, it still represented an incredible buy. Just imagine being one of those curious young men who got their hands on one of these back in that era (sorry YL's – the club was almost exclusively boys at that time in history). Fifty years later, crystal sets and shortwave radios were the bridge for my generation into the radio hobby, but Gernsback was clearly the one who brought the idea of an amateur radio hobby to young people a couple of generations earlier.

Gernsback was also a dreamer and writer about far-off scientific achievements, other solar systems, and topics like robots. Through that secondary passion of his for his science writing, Gernsback became well-known and is considered to be the father of science fiction. His role at the time was editor and publisher of the famous sci-fi magazine, *Amazing Stories*. As a publisher, he was also first to produce a quality magazine for the radio enthusiast, which pre-dated *QST*, called *Modern Electrics*. While Hugo Gernsback's radio exploits were significant, he's best remembered today through the award given annually for the best science fiction writing, the *Hugo Award*.



WIRELESS TELEGRAPH

The "Telimco" Complete Outfit, comprising 1 inch Spark Coil, Strap Key, Sender, Sensitive Relay, Coherer, with Automatic Decoherer and Sounder, 4 Ex. Strong Dry Cells, all necessary wiring, including send and catch wires, with full instructions and diagrams, \$8.50. Guaranteed to work up to one mile. Send for Illust. Pamphlet & 64-page catalogue.

ELECTRO IMPORTING CO., 32 Park Place, New York

The Intrepid-DX Group has announced their 4th Annual Youth Dream Rig Essay Contest.

The [Intrepid-DX Group](http://intrepid-dx.com) is a US-based nonprofit organization that promotes amateur radio activities around the world. The Youth Dream Rig Essay Contest is designed to gather the views and ideas of young people involved in amateur radio.

Contestants must be USA or Canadian amateur radio license holders who are 19 years old or younger; must reside in the US, US territories, or Canada, and they must submit a two-page essay explaining what attracted them to amateur radio. All entries must be a plain text document, PDF, or Microsoft Word document and be either emailed to intrepiddxgroup@gmail.com or mailed to The Intrepid-DX Group, 3052 Wetmore Dr., San Jose, California 95148, USA by November 30th, 2023. Those who have previously submitted an essay may compete in this year's contest, as long as all criteria are met.

The contest winner will be announced on the group's website and Facebook page on December 15th, 2023. The winner must agree to provide a photo with their prize. For a complete list of the rules and prizes, visit <https://intrepid-dx.com/news/>.



Window for Educational ARISS Contact Proposals Now Open

ARISS
Courtesy of AMSAT
News Service
ANS-274



Washington, DC, September 30th, 2024 –The Amateur Radio on the International Space Station (ARISS) Program is seeking formal and informal education institutions and organizations, individually or working together, to host an Amateur Radio contact with a crew member on board the ISS. ARISS anticipates that the contact would be held between July 1st, 2024 and December 31st, 2024. Crew scheduling and ISS orbits will determine the exact contact dates. To maximize these radio contact opportunities, ARISS is looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed education plan.

The deadline to submit a proposal is November 10th, 2023. Proposal information and more details such as expectations, proposal guidelines and the proposal form can be found at www.ariss.org. An ARISS Introductory Webinar session will be held on October 5th 2023 at 7 PM ET. The Eventbrite link to sign up is: <https://ariss-proposal-webinar-fall-2023.eventbrite.com>

Crew members aboard the International Space Station will participate in scheduled Amateur Radio contacts. These radio contacts are approximately 10 minutes in length and allow students to interact with the astronauts through a question-and-answer session.

An ARISS contact is a voice-only communication opportunity via Amateur Radio between astronauts and cosmonauts aboard the space station and classrooms and communities. ARISS contacts afford education audiences the opportunity to learn firsthand from astronauts what it is like to live and work in space and to learn about space research conducted on the ISS. Students also will have an opportunity to learn about satellite communication, wireless technology, and radio science. Because of the nature of human spaceflight and the complexity of scheduling activities aboard the ISS, organizations must demonstrate flexibility to accommodate changes in dates and times of the radio contact.

Amateur Radio organizations around the world with the support of NASA and space agencies in Russia, Canada, Japan and Europe present educational organizations with this opportunity. The ham radio organizations' volunteer efforts provide the equipment and operational support to enable communication between crew on the ISS and students around the world using Amateur Radio.

Please direct any questions to education@ariss-usa.org.

Jamboree On The Air 2023

Scouting BSA

Irving, TX, September 2023 – Jamboree-on-the-Air, or JOTA, is the largest Scouting event in the world. It is held annually the third full weekend in October, October 20th – 22nd 2023. JOTA uses amateur radio to link Scouts and hams around the world, around the nation, and in your own community. This jamboree requires no travel, other than to a nearby amateur radio operator's ham shack. Many times you can find the hams will come to you by setting up a station at your Scout camporee, at the park down the block, or perhaps at a ham shack already set up at your council's camp.

Tell Me More

Scouts of any age can participate, from Cub Scouts to Boy Scouts and Venturers, including girls. Once at the ham radio station, the communication typically involves talking on a microphone and listening on the station speakers. However, many forms of specialized communication may also be taking place, such as video communication, digital communication (much like sending a message on your smartphone but transmitted by radio), or communication through a satellite relay or an earth-based relay (called a repeater). The exchanges include such information as name, location (called QTH in ham speak), Scout rank, age, and hobbies. The stations you'll be communicating with can be across town, across the country, or even around the world! The World Scout Bureau reported that the 2017 JOTA-JOTI had over 1.5 million Scout participants from more than 160 countries.

When Is It?

Jamboree-on-the-Air is held the third weekend in October, October 20th – 22nd 2023. There are no official hours, so you have the whole weekend to make JOTA contacts. The event officially starts Friday evening during the JOTA Jump Start and runs through Sunday evening.

How Can I Participate as a Scout?

Contact your local Scout council and see what may already be planned in your area. You can also contact a local ham radio operator or a local amateur radio club. You can find a searchable database of clubs at www.arri.org/find-a-club. This website is operated by the American Radio Relay League, the national association for amateur radio, which is cooperating closely with the BSA on JOTA and many other activities.

Your local club may be able to direct you to its planned JOTA activities. These can include ham stations set up at camporees or other events. Or, if there are no planned activities, you can either work with them to get something set up or arrange to visit a local radio operator's ham shack at a scheduled time to participate in JOTA.

How Can I Participate as an Amateur Radio Operator?

Contact your local Scout council and see what may already be planned in your area and how you can help. You can find your council using **the Council locator**.

If nothing is currently planned, or if current plans aren't reaching your area, you can work with the council or a local unit (pack, troop, crew) to set up a JOTA station or arrange for visits to your ham shack. You can also participate just by making QSOs with the many JOTA stations that will be on the air.



Newington, CT, September 28th, 2023 – The 2023 **Amplitude Modulation International (AMI) Jamboree** will be held over the Thanksgiving weekend, starting at dusk on November 24th and ending at dawn on November 27th.

AMI Executive Director John C. McGrath N9AMI said the jamboree is not a contest but rather an AM-only operating event. "Everyone is welcome to participate, and there is a certificate available for those who contact 25 stations and submit a log," said McGrath. "Each class winner will receive a certificate, and a short biography will be posted on the AMI website. While the age of the equipment doesn't matter, there must be an AM mode selection on the radio," he added.

The preferred AM bands for operation are: 1.885, 1.900, 1.945, 1.985, 3.870 to 3.890, 7.175, 7.290, 7.293, 7.295, 14.286 and the upper end of 20 meters

More information is available on the AMI website.

— courtesy of the American Radio Relay League



AM INTERNATIONAL

An Outsider's Opinion

Scott Callahan K6GP

Editor's Note: Originally posted on the Discussion forums at QRZ.COM. See <https://forums.qrz.com/index.php?goto/post&id=6656912#post-6656912>

Norco, CA, September 6th, 2023 – I've tried really hard to stay out of these discussions. I'm not and have never been an ARRL member. Because of that I don't have a say. Nor do I have any vested interest. What I do have is an unbiased view at what's going on.

Here is my unbiased opinion, only looking at what's been presented on these forums. Again, I'm not in the ARRL, so I don't get anything from them. I only hear about these issues from all of you. Take that into consideration when you read the rest. These thoughts are based solely on all of your posts.

As much it may suck to hear and may be hard pill to swallow, they're trying to get rid of you. When I say "you" I loosely mean the print subscribers. Print is dead. Print is a financial and logistical burden. They know it, National Geographic knows it, every publisher knows it. Print has gone the way of the Dodo bird like it or not.

The increased fee is not to cover costs, it's to get you to stop subscribing to it. That's what they want, they want you to stop subscribing to it.

The increased print fee is arbitrary in the sense of revenue. But it is not arbitrary in the sense of effectiveness. Meaning, I'd bet they picked a figure that they thought wouldn't be grossly over the top that would be obvious what they were doing, but would hopefully be enough to get at least 50% of subscribers to opt out of. That's what they want, people to stop subscribing to it. My guess is they'd probably be happy if they lost 50% of print subscribers. That's probably their goal, to get at least 50% to bail on the print.

Then, as someone else pointed out in one of the other numerous threads dealing with this topic; in 5 to 10 years, they hope that 50% of those 50% that had opted in, through attrition or otherwise will be gone. At that point they're maybe dealing with a few hundred hold outs to close the door on. That will be much less backlash than now and they will close the door on print forever.

That's the sad fact guys. I know it's a hard pill to swallow, but you have to read to writing on the wall. Look at the last 2 months of multiple threads about the ARRL, in particular its magazine. They're giving you a consistently crappier product and charging you more for it. You're a burden on them. It's obvious that many of you care more about the magazine than they do. Not to mention, it's a well known fact that all several of you do is complain about it anyways. I've never seen a group of people look so forward to a magazine that based on your posts, you don't even like.

I hate to say it, and you can blast me for it or criticize me all you want. As an outsider looking in, reading the writing on the walls and taking everything into consideration; it seems they want you gone.

The views expressed in this article are solely those of the author, and do not necessarily reflect the views of the Wireless Association of South Hills or its members.

ARRL Foundation: 50 Years

American Radio Relay
League

Newington, CT, September 22nd, 2023 – Thursday, September 21st, 2023, marked 50 years since the ARRL Foundation was formed. As a partner with ARRL, the ARRL Foundation stewards philanthropic support for amateur radio through scholarships, club grants, and other programs to ensure a strong and vibrant future for the avocation.

The total assets of the nonprofit entity measured nearly \$8M at its most recent annual audit, but it grew from humble beginnings. In September 1973, several members of the ARRL Board of Directors worked to establish the charity. Larry Shima WØPAN, was the Director of the ARRL Dakota Division at the time and did a lot of work to get the Foundation started. Shima is very pleased with the Foundation's success, stating, "We started off with \$1,000, and just look at it now!"



Shima says the original intent was to support future generations of radio amateurs. At the time, space and satellite communications were cutting-edge, and they were the focus of ARRL Foundation activities, though scholarships were also high on the list. "I was thrilled when I got the recent issue of *QST* that had the photos of the scholarship recipients in it. That is exactly what it was intended to do; we wanted to provide scholarships for young people," he said.

Gifts from generous donors support The ARRL Foundation, but it also works to help other charitable groups extend their reach. In an address to donors delivered over the summer, ARRL Foundation President David Norris K5UZ highlighted a recent grant the Foundation received. "The recent support the Foundation has received from Amateur Radio Digital Communications, or ARDC, has been transformational. We have been able to dramatically increase the funding of scholarships through their generosity and are working through a program of club grants, where more than \$500,000 was distributed to clubs looking to take on new projects or sustain their organizations – and to share their learning with others," he told the crowd.

Shima was just 35 when the ARRL Foundation was formed. He is the only surviving founding member of the Foundation Board. Fifty years later, he believes that hams who have done well in life have an obligation to support amateur radio by giving generously to ARRL and the ARRL Foundation. Ongoing financial support enables ARRL to promote and protect amateur radio while our Foundation supports the future generations of hams.

That generous support will have a tangible reach. More than 100 scholarships, ranging from \$500 to \$25,000, will be awarded in 2024. Thank you to the many donors for making this work possible, and congratulations to the numerous scholarship recipients who have benefited from their generosity.

To learn more about the ARRL Foundation, please visit the Foundation website at <http://www.arrl.org/the-arrl-foundation>. To learn how to make amateur radio a part of your charitable giving, contact the ARRL Development Office at <http://www.arrl.org/contact-us>.

Fair Lawn, NJ, September 3rd, 2023 -- Join with thousands of your fellow amateurs as part of the largest crowd-sourced contest for ham radio scientific exploration ever!

The SEQP is for learning more about how the ionosphere works. Use any mode, any band for all or part of each day! Participation can be from everywhere – you need not be near the path of either eclipse to contribute valuable data by participating.

For details on the SEQP contest and rules go to www.hamsci.org/contest-info.

For the Gladstone Signal Spotting Challenge using CW, WSPR and FST4W modes go to www.hamsci.org/contest-info.

For more information about HamSCI, please visit the HamSCI website. For more information about the Festivals of Eclipse Ionospheric Science educational opportunities for the amateur community and the public please visit our information pages.

— Ed Efchak WX2R, Public Information Officer, HamSCI



TX5S Clipperton Island

18 January—1 February 2024

Clipperton
2024 Team

Press Release #6, October 3rd, 2023 – Clipperton is #28 most wanted in Europe and #37 most wanted globally. FT-8 and 60m have **never** been activated from Clipperton. We expect the pileups to be deep and energetic, we will do our best to meet the demand.

The campsite design was finalized, there will be two operating locations separated by approximately 500 meters. CW/ Satellite/EME/Digital will operate from the main campsite. SSB/Digital will operate from the distant campsite. Each will have a full complement of antennas for their designated bands. The main campsite includes the dining (kitchen) tent, Starlink / local area network HQ and sleeping tents, the camps will be linked by Wi-Fi. A toilet and shower will be located close to the main camp. Each camp will have a generator shed, a supply of fuel, and drinking water.

Marine Protected Area: Since the last major DXpedition in 2013 a "Marine Protected Area" (MPA) was established around Clipperton. In 2016 the French government enacted legislation to further restrict and protect Clipperton and its surrounding waters. While the government recognizes amateur radio as a legitimate endeavor, the legislation does not explicitly identify amateur radio as an approved activity. <https://www.facebook.com/natgeoprismseas/videos/france-protects-waters-of-clipperton-island/10153847108150378/>

The landing permit process is long, and of significance is the requirement for bona fide scientific content, with French representation. DX-peditions combined with sufficient scientific content will be considered. Our team includes two French scientists and one French environmentalist who each will conduct studies on the island.

- ♦ **Social Media:**
Facebook: <https://www.facebook.com/tx5s2024>
- ♦ Website: <https://TX5S.net>
- ♦ Questions to: info@pdxg.net



INDEXA Supports XW4DX

Bob Schenck
N2OO,
President

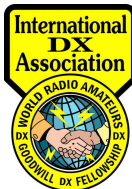
Tuckerton, NJ, September 20th, 2023 – We are pleased to announce that INDEXA, the International DX is supporting the upcoming XW4DX DXpedition to Laos, November 16th-27th, 2023.

This 5 member French team has solid experience doing DXpeditions.

We invite you to visit their web page at <https://xw4dx.f4bvk.net>

Please look at their operation plan to see the frequencies that they will be active on.

We wish the XW4DX team a safe and successful DXpedition!



For Sale:

Full sheet of 50 (fifty) historic 1964 US Amateur Radio Postage Stamps. (More Than One Available)

Originally issued on December 15th, 1964 these Postage Stamps were specifically commissioned to honor the nation's 250,000 hams. The release fell on the 50th anniversary of the founding of the American Radio Relay League, (ARRL) and was first made available for purchase in Anchorage, Alaska where amateur radio operators played an important role in the aftermath of The Great Alaskan Earthquake on March 27th of that year.

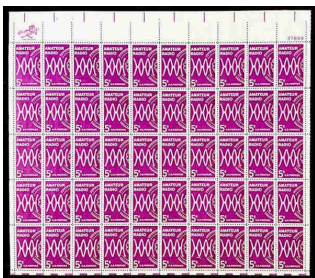
The purple vertical stamp was designed by Emil J. Willett of Hartford, CT and combines a radio broadcast sine wave with a partial radio dial. Nearly 60 years later, these are cherished by amateur radio operators around the world.

Brand new and never hinged with full gum adhesive, this Scott # 1260, 5 cent Amateur Radio Sheet is in **absolute** Collector condition. Makes a memorable Birthday. Absolutely suitable for framing!

\$29 +\$2 for USPS First Class shipping to any 50 US.

Check, M.O., Zelle, PayPal (**F&F only**) ok.

Write to PeteTheGreek at: NL7XM@arrl.net



DX News Briefs



T32AN will be QRV 4 – 11 October, 40 – 6, Holiday Style SSB and CW. QSL via EB7DX

YB2/IK1TTD will be QRV 8 – 22 October, Holiday Style, from OC-186, mainly on 20 meters. QSL via OQRS or as directed.

E51JAN will be QRV 12 October – 6 November from North Cook. More information at <https://e5n.dxpeditons.org/> QSL via SP9FIH or ClubLog OQRS.

YJ0CA will be QRV 22 October – 5 November, including the CQ WW DX Contest SSB. QSL via VK2YUS or as directed on his QRZ.COM page

CQ WW SSB Contest (28 – 29 October) Operations;

- ♦ **4L2M** QSL via EA7FTR
- ♦ **8P5A** QSL via HA1AG or LotW
- ♦ **8P9A** QSL via GU4YOX
- ♦ **IH9/OK1M** QSL via OK1M
- ♦ **IR0A** QSL via OM2FY
- ♦ **J62K** QSL via K9HZ
- ♦ **LX8M** QSL direct or via LotW
- ♦ **MD4K** QSL via G3NKC
- ♦ **PJ2T** QSL TBA.
- ♦ **PY0F** QSL via PY7RP
- ♦ **V47NT** QSL via W2RQ or LotW
- ♦ **V49R** QSL via N2HX
- ♦ **WP3A** QSL via EB7DX
- ♦ **ZF1A** QSL via ClubLog OQRS

VK9QO will be QRV 3 – 7 November from Cocos (Keeling) Island, 80 – 6 plus satellites, CW SSB RTTY FT4 FT8. QSL via J11LET

CQ WW CW Contest (25 – 26 November) Operations;

- ♦ **FS/K0CD** QSL via K0CD
- ♦ **HO2T** QSL via KU9C
- ♦ **T17W** QSL via M0URX
- ♦ **V47NT** QSL via W2RQ or LotW
- ♦ **WP3A** QSL via EB7DX
- ♦ **ZF1A** QSL via ClubLog OQRS

J73BH will be QRV 17 – 24 January 2024, CW SSB and FT8. QSL via FM5BH or ClubLog OQRS

J79AN will be QRV 17 – 24 January 2024, CW SSB and FT8. QSL via F8AAN or ClubLog OQRS

V44/K1ZN will be QRV 25 February – 04 March 2024. QSL via K1ZN

The EI DX Group will be activating Lesotho as **7P8EI** sometime in "early 2024." Dates, website, QSL route, other details to be announced.

QSL Routes

4X7R via 4X6OM	GB2HEM via M0HEM	PA30SPARC via
7S2A via SA2SAA	GB2KDR via MM0HVW	PE5ENJ
8Z93ND via HZ1SAR	HB0A via HB0FL	PF99MILL via PF9W
A71VV via M0OXO	HF800NYS via	PI40NWG via PA3GKB
AO6URB via EA6ZX	SP6PNZ	PJ4SON via M0URX
C91CCY via K3IRV	HF9ZZ via SP9TCZ	PT5J via PP5JR
CB8E via CE8EIO	HI3SD via EC6DX	PY4BZ via EA7FTR
CR3DX via OM2VL	IB2GBS via IQ2CP	S515SOTA via S58R
CR3W via DL5AXX	II1DCI/IS0 via	SN15PRR via SP9PRR
CT9ABN via OM2VL	IK1GPG	SN50GUC via SP2GUC
DL100TC via DL4CQ	II4CGD via IQ4FE	SN5X via SP5GRM
DL60KIRN via DU7PI	II8IHC via IU8CEU	SO4R via SP4CUF
DL75BRD via DL2VFR	IL3P via IU3EDK	SO84PPP via SP3PDO
DP6A via DL8OH	IQ8XF via IZ8IBC	T71SNM via T70A
DP7D via DF1QR	IT9FRX via IT9DQM	TM17FFF via F4GFE
DR45HAAN via DL7ET	JW6VDA via OH6VDA	TM20KGN via F8KGN
E2A via E21EIC	LA100K via LA1K	TM3Z via F4DSK
E750ESP via E76AA	LY787A via LY5A	TM4HV via F5PTA
EG40RUB via EA1FGX	LZ/OP4L via ON4LDC	TM8MBH via F5ADR
EG5VNB via EA5CP	MD7C via M0OXO	XF2C via IT9EJW
EG7BSP via EA7URF	OG1F via OH1F	XF3H via IT9EJW
EG7FFM via EA7DK	OH0R via OH2PM	XF3M via IT9EJW
EH10SM via EA1UVR	OH0RY via PA2A	XF3O via IT9EJW
EH3ARRL via EA3W	OK8CX/P via DL7CX	Z36T via DJ0LZ
EP3GMR via RW6HS	OK8MA/P via SP9MA	ZW2RA via PY2UTU
FY5KE via F6FVY		

Thanks to DL1SBF, KB8NW, NG3K, the DX-QSL Reflector, 425 DX News, DX Coffee, DX World.Net, ICPO Bulletin& 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.



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.**

HAM RADIO INSURANCE ASSOCIATES, INC.

P.O. Box 201

Canonsburg, PA 15317-0201

Toll-Free 1-800-545-8881

Fax: (412) 746-5944

bill.hill@hamradioinsurance.com

"All-Risk" Amateur Radio Equipment Insurance Plan for:

Radio Equipment Computer Equipment
Antennas Rotors & Towers Computer Media & Software
Mechanical Breakdown & Electrical Damage Coverage



Antenna Zoning or PRB-1 Issues?

Contact: **Michael S. Lazaroff K3AIR, Esquire**

Lazaroff & Suhr, Attorneys at Law

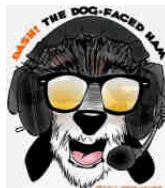
277 West Main Street, Saxonburg, PA 16056

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



DL7DF, DK1BT, DL4WK, DL6SAK, DL7BO and DL7UFR will be active from Tahiti, French Polynesia as **TX6D** during October 2nd - 15th, 2023. They will be active with up to five stations from 160m through 10m on CW, SSB and digital modes. After the recent permission of the 5 MHz band in France and the French territories, the team will also activate 60m. More information at <http://www.dl7df.de/fo/> QSL via DL7DF



N3UE Woodworking

Ed Wolf N3UE has taken up a new endeavor... laser engraving.
(See sample)

He's currently available for plaques and signs of varying shapes and designs.

Prices vary, but are very reasonable!

Interested? Contact Ed directly at

n3ue11@gmail.com



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 w3wn73@gmail.com and we will take care of the rest!

Has Roadway found the tower yet?



FCC News

American Radio Relay League

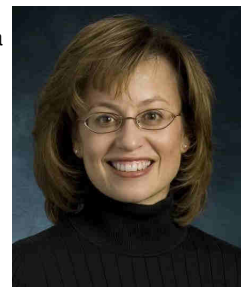
Newington, CT, September 22nd, 2023 – The US Senate confirmed Anna Gomez as the fifth commissioner of the Federal Communications Commission on September 7th, 2023. Gomez thanked President Biden for the nomination and the Senate for her confirmation.

"I am grateful for the opportunity to serve," she said in a statement on her LinkedIn page.

Gomez is an attorney with decades of experience in domestic and international communications law and policy. She served for 12 years in various positions at the FCC, including Deputy Chief of the International Bureau and Senior Legal Advisor. She most recently served as a Senior Advisor for International Information and Communications Policy in the State Department's Bureau of Cyberspace and Digital Policy, where she has been leading US preparations for the month-long World Radiocommunication Conference 2023 (WRC-23) that will commence on November 20th in Dubai, United Arab Emirates.

Steve Lang will replace Gomez as head of the US delegation to WRC-2023. Lang is a longtime state department official serving as Deputy Assistant Secretary for International Information and Communications Policy. Lang has been working closely with Gomez on US WRC-2023 delegation preparations.

ARRL The National Association for Amateur Radio® has represented the interests of US radio amateurs in preparation for the conference, and ARRL Technical Relations Specialist Jon Siverling WB3ERA has been appointed to the US delegation for WRC-23. ARRL also actively supports the work of the [International Amateur Radio Union \(IARU\)](http://www.iaru.org/), which, as a member of the International Telecommunication Union (ITU) Radiocommunication Sector, participates in conference preparatory work and whose representatives will also attend WRC-23 by invitation as observers in an advisory capacity.



ZL3CW plans to be QRV from Wallis Island 20 – 30 November, from the QTH of FW1JG. Look for **FW5N** during the CQ WW CW Contest, **FW2CW** before and after the contest. Operation will be CW only, with focus on the WARC bands, outside of the contest. QSL via OQRS or LotW

CB0ZA will be QRV from Robinson Crusoe Island (SA-005) (in the Juan Fernandez Archipelago) 13 – 20 February 2024. They will be QRV 160 – 2, including 60, SSB CW RTTY FT8 and EME. More information at <http://cb0za.com/> QSL via HA1AG



US Amateurs by Class as of October 1st, 2023

Novice	6,952
Technician	428,434
General	201,371
Advanced	36,221
Extra	163,869
Club	12,384
Total	849,231
All-Time High	07/11/2023 851,443
Last 90 Days:	
New Amateurs	5,639
Callsign Changes	1,746
Class Changes	2,624
No Longer Licensed	7,222
All Updates (*)	24,632

(*) Includes renewals, address changes, etc.

Information gathered from FCC Daily Updates, courtesy of Hamdata.com

Latest Region 3 Sequential Calls, Issued as of October 1st, 2023

Group A	AC3KT
Group B	KF3EV
Group C	(none available / all issued)
Group D	KC3WUL

Information gathered from FCC Daily Updates, courtesy of Hamdata.com



WASHfest 2024

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

Sunday, February 25th, 2024

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: To Be Determined

Second Prize: To Be Determined

Third Prize: To Be Determined

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

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:

Ron Telek W3LE at (412) 831-4886 w3le@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, 2024.

Reservations received after February 1st, 2024 must include payment in full.

Reserve now... we have sold out in advance thirteen 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 = _____

5 Or More Tables w/o: _____ X \$10.00 = _____

Please make all checks payable to:
WIRELESS ASSOCIATION OF SOUTH HILLS
PLEASE MAIL RESERVATION TO:
WASHFEST 2023
c/o RON TELEK W3LE
3065 Aljean drive
Bethel Park, PA 15102

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: _____

Address: _____

City, State: _____

Home Phone: _____

Email Address: _____

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]

Signature: _____

Call Sign: _____

License Class: _____

Expires On: _____

Work Phone: _____

Birthday: _____

ARRL Member? ☐ Yes ☐ No Family ARRL Member? ☐ Yes ☐ No

Date: _____

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



DXers have a choice!

Get a free two week trial of The Daily DX and The Weekly DX and decide for yourself which one best fits your needs for informing you of all the DX news!



Send an email to bernie@dailydx.com or go to www.dailydx.com

The Daily DX, 3025 Hobbs Road,
Glenwood, MD 21738 Phone: 301-854-5650



Arghh!
What Mightst We Draw For Ye, Matey?

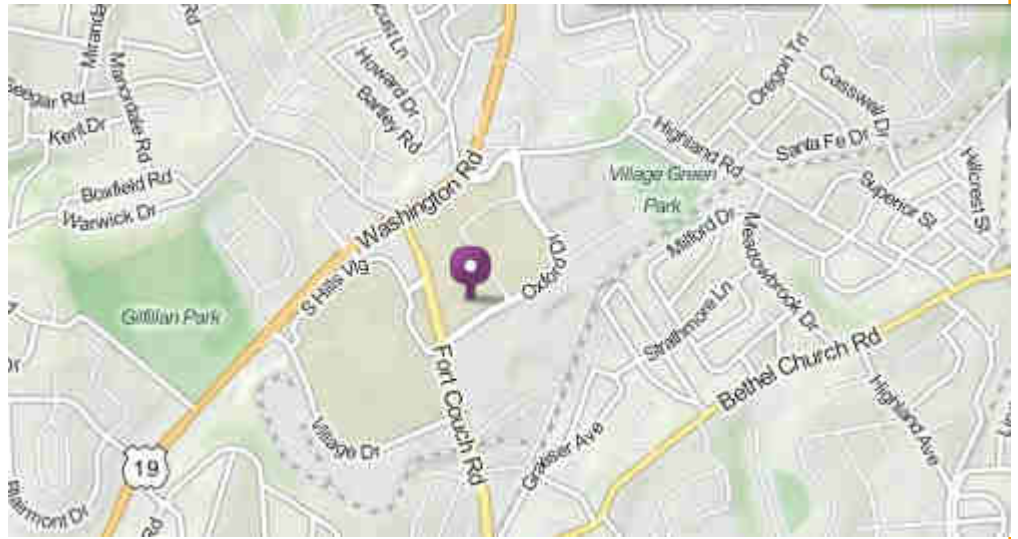
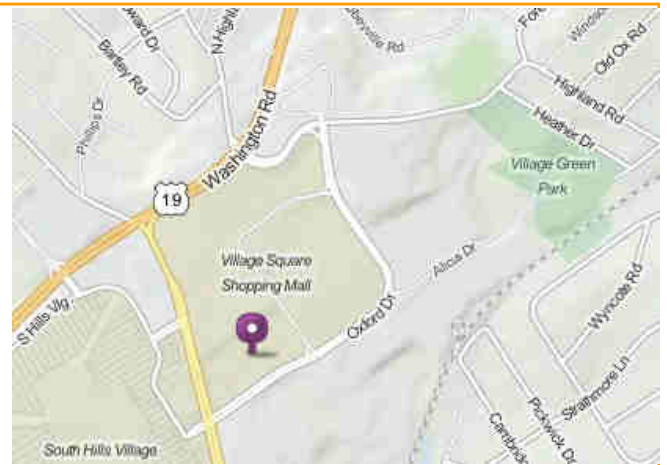


2023 WASH Meeting Location

St. Clair Hospital Outpatient Center 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
NP2SH/B

www.n3sh.org
www.washarc.org

