



WASHRAG™



VOLUME 26 ISSUE 11
NOVEMBER 2024

Wireless Association of South Hills

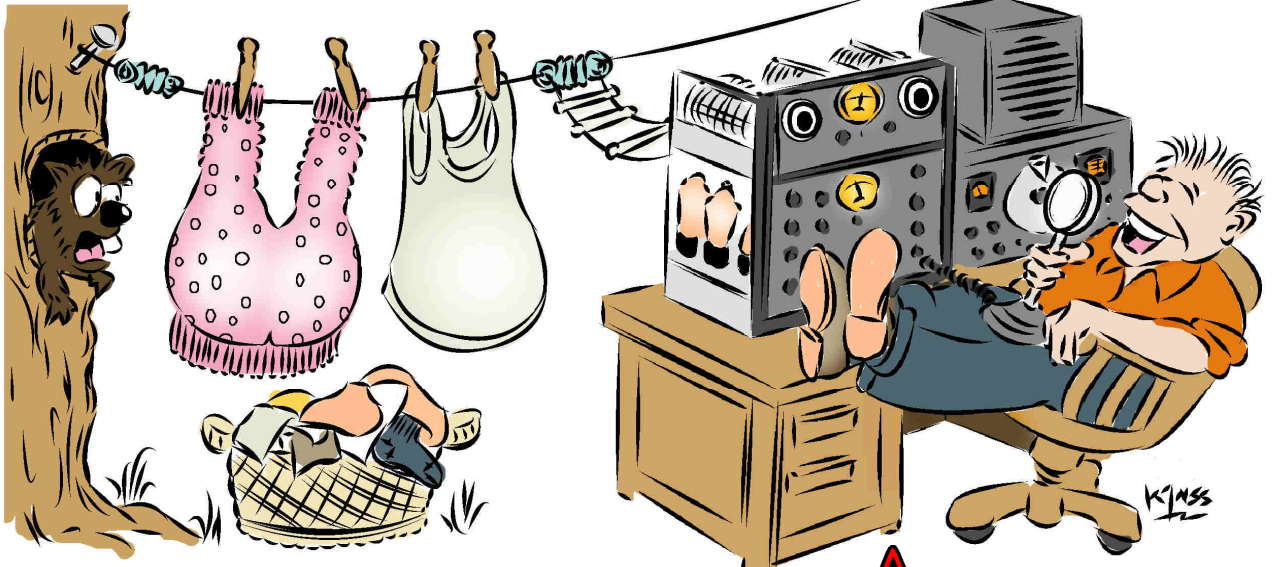


N3SH WA3SH NP2SH/B

www.n3sh.org



Wireless Association of South Hills



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VOLUME 26 Issue 11
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Next Monthly Meeting: Thursday, November 7th, 2024

The next scheduled meeting of the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. will be on **Thursday, November 7th, 2024**, starting at 7 PM, at the **ST. CLAIR HEALTH OUTPATIENT CENTER VILLAGE SQUARE 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 2024 wrap-up, other 2024/25 Plans, and much more. See you there!

Cover: *The pre-Pa QSO Party Aurora observed in McKean County, by Kevin N3KFD, Randy N3ZK and Frank N3FB. Photo courtesy of Frank Bobro N3FB, and © Copyright 2024 Donald Rowland Sr. KD2ZKR*

WASH 2024 OFFICERS

EXECUTIVE COMMITTEE:

President Tom Galante KB3NIX
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 2025 Committee Ron Telek W3LE, Chair
Bill Hill W3WH
Glen Roberts KE7FD
Rick Bell KB3IAC
Carol Danko KB3GMN
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.

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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 November 14th

The Next WASH VE exam session will be on **Wednesday, June 27th, 2024, 6:00 PM**, at the **WPXI Community Room**, 4145 Evergreen Road, Pittsburgh P, just off the Parkway North. 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 Words

It's hard to believe that I have been president of this club for almost a year - time really does fly!

We only have two more meetings for this year and we have a lot to accomplish, so please make your best effort to attend the next two meetings.

Agenda items will include the election of new officers, planning and coordinating efforts for our January contest, and of course we need to begin to plan our February Hamfest. Yes, it's not too early to begin that process.

Finally, from a personal note I would like to say that I have enjoyed my time as president and that is a credit to all of you: I appreciate how all of the members of this club have demonstrated fellowship and support for each other, and all of you are to be commended for the Esprit De Corps that you've demonstrated throughout the year. If all radio clubs could be so lucky!

Looking forward to seeing all of you at the meeting on Thursday.

— 73, Tom Galante KB3NIX

President, WIRELESS ASSOCIATION OF SOUTH HILLS, Inc.
N3SH / WA3SH / NP2SH



Radiogate?
Bill NY9H has pointed out that some questions about the Motorola Public Safety system for Washington County. The Observer-Reporter has a comprehensive article on the issue, which anyone interested should read. Especially considering that, allegedly, 405 pages of the 516 page contract and proposal are completely redacted, and another 23 pages are partially redacted. You can read the entire story at <https://www.observer-reporter.com/news/local-news/2024/nov/01/washington-co-releases-heavily-redacted-copy-of-motorola-radio-contract/>.

Reminder:

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

Saturday, October 26th was a cool and crisp fall morning, once again heralding the arrival of the **WASH Breakfast Gang** at the McMurray Eat'N Park, 3380 Washington Road. This month brought forth N3IDH and Gerry, WB4GCS, W3WVN, and Julie. Topics covered the IT Guys from Atlanta, Azimuth Loop antennas, keeping a dachshund on bed rest, "A classic, just like me", "the regular?" at Sarris Chocolates, walking around Sarris, volunteering at the Food Bank, FOIA & Washington County, Halloween gangs, CQ WW, 40 minute average 911 response, 1400 ft/second muzzle velocity, Fire Sirens with the coyotes chiming in, hiring and retaining qualified candidates, remaking old movies... and a whole lot more.

Another month will fly by before you know it. Hope to see you at the next one, post Thanksgiving, Saturday, November 30th, at the **McMURRAY EAT'N PARK, 3380 WASHINGTON ROAD**. See you there!

We kind of have to ask. Have the **monthly Club Breakfasts run their proverbial course?** Attendance has been somewhat hit-or-miss since resuming post-Pandemic. It was always meant to be an informal, fun, chance to get together socially without a formal meeting, pretty much taking the place of the second monthly meeting that went by the wayside years ago. But things change, people have other things going on, and not everyone thinks of it in time.... Or other plans come up. Thoughts?

So we have a lot of things coming up, next few meetings. First and foremost, the annual **WASH Officer Elections for 2025**. We should be doing this at the November meeting, as per the club by-laws, but missing the nominating round because of the cancellation of the October meeting has an effect on that. Regardless, the elections are coming coming up, so that's something that we need to all give some thought to!

The 2024 Pennsylvania QSO Party has come and gone. From what we've heard, those who've participated had a great time, as usual! Congratulations to all, and please, don't forget to submit your logs!

Time is flying by pretty fast. Before you know it, it'll be time again for our annual **2 Meter Simplex Contest**, as usual the Saturday (local time) of the weekend before the ARRL January VHF Contest.. We hope to have the 2025 contest rules in the newsletter next month (hint hint). More details will be forthcoming in the next few weeks and months!

WASHFest 2025 won't be that far behind. Right now, it's a bit over 3 months away... but... already we have inquiries from vendors, ticket sales will be ongoing soon, and the WASHFest Committee will need your help. This is THE biggest non-operating event that the club has every year, and the proceeds of this help fund everything else that we do for the rest of the year. So if you have any questions or concerns, now is the time to bring them up. And please let the Committee know what you'll be able to help out with, be it ahead of time or on the weekend of the event. If we all pull together, and each of us contributes a little, we'll have another fantastic event!



Join WASH or Renew your Membership Today! Membership Application on Page 17

Minutes, September 5th Meeting

Nathan Suehr KC3GMM, Vice President / Secretary, WASH

Call to Order: 18:59.

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

Roll Call. 16 Members, 2 Guests Present

Committee Reports:

Treasurer: Mark (N3RDV): Delivered by Nathan KC3GMM. Motion to accept by Carol (KB3GMN), second by Larry (K3VX). Voted and carried.

Secretary: Nathan (KC3GMM): August minutes in the September newsletter. Motion to accept by Carol (KB3GMN), second by Larry (K3VX). Voted and carried. Motion to accept minutes by Frank (N3FB) with second by Bill (W3WH). Voted and carried.

Public service: Mike (WA3PYU) – ARES Meeting September 14th at the Red cross at 9 AM. Great Race on September 29th, volunteers needed. Please contact Bob NU3Q or Mike WA3PYU.

Newsletter: Tom (KB3NIX) for Ron (W3WN) – Ron is stuck at work, but the Newsletter is out.

VE: Tom (KB3NIX) for Grant (KC3MLC): No exams currently scheduled.

New business:

Picnic:

- Tom (KB3NIX) - Picnic money allocated and shelter reserved. No alcohol permit. Floor open for comments regarding food and any activities.
- Larry (K3VX) - Permit is from sunup to midnight so there will be time for folks to set up portable radios as a show and tell.
- Tom (KB3NIX) - Please reach out to anybody that you know with portable radio equipment.
- Tom (KB3NIX) - Suggestion of 1PM for serving food
- Bill (W3WH) - What time is the Steelers game? That may affect attendance.
- Frank (N3FB) - Game is 4:25PM
- Bill (W3WH) - Game is an away game.
- Claude (N3RXO) - Has a portable propane grill.
- Carol (KB3GMN) - Will handle ordering chicken and check on supplies.
- Tom (KB3NIX) - Will add a signup sheet to the web site for attendance and food.
- Nathan (KC3GMM) - Will reach out to Mark and find out if he can provide ice.

EME Activity:

- Tom (KB3NIX) - October 19th may be an issue
- Jim (WB4GCS) - ARRL changed the contest rules to modify report from state/section to grid square. Many folks are threatening to not participate in the contest. This may greatly reduce our chance of making a contact and might make the difficult setup for nothing. We will also not have a high-power amplifier.
- Bill (W3WH) - Suggest postponing until next year.
- Jim (WB4GCS) - Will do more research and see if we have a chance of making a contact with 90 watts.
- Bill (W3WH) - Motion to postpone until next year. With second by Harold (K3HCR). Voted and carried.
- Larry (K3VX) - Is there an additional weekend for 70cm?

Old Business: Tom (KB3NIX) spoke with Bob (NU3Q) regarding using our repeater as a backup. He's okay with using the 70 cm repeater as is.

Good of the order: (nothing)

Motion to adjourn by Larry (K3VX) with second by Bill (W3WH). Voted and carried..

Adjourned at 19:37
09/05/2024



WASH Spotlight: Awesome!

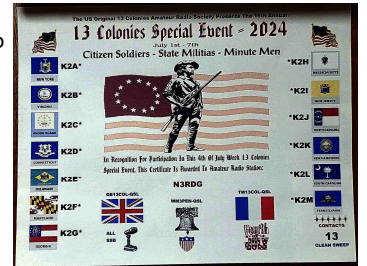


Bob N3RDG had an "awesome day" on October 28th. "I ordered a new FlexRadio 8400 at Dayton this year. They said it would ship in August then slipped to September then October 9th. It finally arrived this morning.

What makes it extra special is, if you ordered from Dayton early and was one of the first 400 you would receive a signed 20th Anniversary numbered unit which I did, #188.

If that wasn't a great thing to happen, I went out to get the mail and found my last 13 Colonies certificate had arrived. This year I was able to work all 13 Colonies, William Penn, France, & England in all three modes. What a day!"

Photos courtesy of and (c)Copyright 2024 Bobby Greene N3RDG



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

AC3ML	KC3ELA	NL7XM	WASH FL	WASH TN	Silent Keys
AC3WM	KC3GMM	NY9H	KA3UPY/M	K3OL	
AC4KU	KC3MLC	W3LE	WASH NE	KE3XB	
AE3DL	KC3UUK	W3WH	NØPEU	N3YPB	
K3GW	KC3VQR	W3WN	WASH OH	WASH TX	
K3HCR	KC4WTT	W8LEV	N8DPW	NB3C	
K3OCT	KE7FD	WA2YEZ	WASH OR	K3LGM	
K3SEM	N3DFK	WA3PYU	KB3NVL	KB3IJX	
K3SGT	N3FB	WA3VSS	KB3NVM	Jane Wagner	
K3VX	N3FFS	WB4GCS	NØVLR	WASH VI	
K6DWR	N3JSF	Charmel	WASH SC	NP2JF	
KA3VXM	N3KFD	Spirk	N8NEU		
KB3BYA	N3RDV			AB3KA	
KB3GMN	N3RXO			AB3ED	
KB3GMU	N3SBF			AC4KU	
KB3GUZ	N3TBJ			AD3Q	
KB3IAC	N3TDV			K3EED	
KB3IVX	N3UE			K3LIE	
KB3JHR	N3WMI			KA3NMG	
KB3NIX	N8NEU			KB3ENX	
KB3YCX	NB3C			KB3FNM	
				KB3FOT	
				KB3JHQ	
				N3BPB	
				N3CZZ	
				N3FZ	
				N3HKQ	
				N3KEH	
				N3OBD	
				N3RNX	
				N3SKR	
				N3SRC	
				N3ZEL	
				N3XFE	
				W3ZLK	
				W4ZE	
				WA3JPP	

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

Through August 5th, 2024
List compiled by
Mark Stabryla N3RDV, Vice President/Treasurer

2024/25 WASH Upcoming Events Calendar

Club Meetings & Other Significant Events — Subject to Change

November 2 nd — 4 th	ARRL Sweepstakes CW	http://www.arrl.org
November 7 th	<i>WASH</i> Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
November 16 th — 17 th	ARRL EME Contest (50-1296 MHz)	http://www.arrl.org
November 16 th — 18 th	ARRL Sweepstakes SSB	http://www.arrl.org
November 23 th — 24 th	CQ WW DX Contest CW	https://cqww.com/
December 5 th	<i>WASH</i> Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
December 6 th — 8 th	ARRL 160 Meter Contest	http://www.arrl.org
December 14 th — 15 th	ARRL 10 Meter Contest	http://www.arrl.org
December 22 nd	ARRL Rookie Roundup CW	http://www.arrl.org
December 31 st — January 1 st	Straight Key Night	http://www.arrl.org
January 2 nd	<i>WASH</i> Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
January 11 th	<i>WASH</i> 2 Meter Simplex Contest	http://www.n3sh.org/
January 18 th — 20 th	ARRL January VHF Contest	http://www.arrl.org
January 24 th — 26 th	CQ WW 160 Meter Contest CW	https://cq160.com/
February 6 th	<i>WASH</i> Meeting	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive
February 15 th — 16 th	ARRL DX Contest CW	http://www.arrl.org
February 21 st — 23 rd	CQ WW 160 Meter Contest SSB	https://cq160.com/
February 22 nd	<i>WASH</i> Fest 2025 <i>WASH</i> VE Exams@ <i>WASH</i> Fest	Home Economics Building, 3735 Buffalo Drive, South Park
March 1 st — 2 nd	ARRL DX Contest Phone	http://www.arrl.org
March 6 th	<i>WASH</i> Meeting & Pizza Night	St. Clair Health Outpatient Center Village Square Conference Room, 2000 Oxford Drive

Pa QSO Party 2024: Team KA3VXM

Photos courtesy of and © Copyright
2024 Harold Rosenberger K3HCR



“and tell them you’re too dumb to own a computer” Art Boyars K3KU

Sliver Spring, MD, October 21st, 2024 – Earlier one evening (a week or two ago) I wanted to listen to the hockey game while working at my desk.

So I inter-webbed to wjfk.com and clicked on "Listen Live", which opened some app (if that's what it was; I know from nothing about this). The pre-game show was playing, but seemed delayed; the game should have already started. So I turned on my ham radio and tuned it down to 1500 AM (WFED, formerly WTOP; 50KW, less than two miles from my house) which was broadcasting the game. Speaker is right under my main computer monitor. Yup, the game has just started.

So I worked at my desk and around the house for 2:45 hours, and the game ended. and the post-game show started. Time to turn it off.

I put my hand on my mouse and looked at the display of open websites on my Chrome tabs (many open for banking, bill paying, etc.).

Hmmm. Where is the tab for WJFK???. Ah, maybe it's one of those things that opens up an app(?) when you listen live. So where do I find the app, to close it? (Post-game show continues to play.)

Uhh, try closing Chrome. Nope -- nothing appears on the monitor, and post-game audio continues. Look all around the monitor screen for some kind of Listen Live icon. Nope; hockey post-game audio continues.

Try restarting the computer. Nope; hockey post-game audio continues.

Has something captured my computer???. Do I need to get my computer pro???

Try turning off the computer. Nope; hockey post-game audio continues. What has this thing done to my computer???. I'll sue!!! I'll never listen to hockey again!!! I'll never Listen Live again!!! Maybe I should email my computer pro before he goes to sleep.

But first, one last gasp -- Unplug the power cord from the back of the computer. Holy Moley!! Hockey post-game audio continues!!!!

How can that be?!?! You don't even have to be an Electronics Engineer and an Extra Class Amateur Radio operator with 64 years experience to know that unplugging should kill everything!!!

Uhhh, wait a minute. The ham radio front panel is lighted. The ham radio is on. Art, you dummy!! You were listening on the radio, not on the computer.

Turn off ham radio. Turn on computer. Write this story in an email.





Pa QSO Party 2024: Team N3ZK

Photos courtesy of and (c)
Copyright 2024 Frank Bobro N3FB



N3ZK 2024 McKean County

- 67 Counties
- 62 Sections
- 1 DX
- 1087 QSOs
- 187,480 Points

(Previous M/M
Record:
138,872 Points)



Memories

Photos courtesy of and (c)
Copyright 2024 Gary Weslager
K3GW



Above:
Acorn tubes developed during WW2
that were used in battery powered
walkie-talkies and other radios

An Argonaut 509 & a "211"

Photos courtesy of and © Copyright
2024 Dean Hemphill K5DH

Port Charlotte, FL, September 4th, 2024 – Here is a photo of my 509 with the homebrew "station console" that I built. The console contains a power supply, genuine TT CW filter board, genuine TT calibrator board, speaker, and headphone jack with volume-reducing resistor. The accessories are powered from the Argonaut rather than directly from the PS, so the whole station can be powered by an external DC source such as batteries. Fun project, but it cost me a small fortune to build!

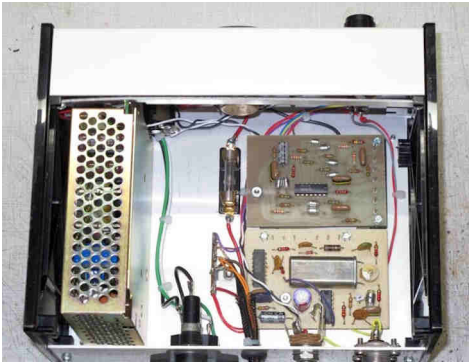
More information:

- The vintage TT cabinet came already painted. I bought it off eBay. Cost me \$45 plus shipping! Yeah, I wanted it badly.
- I made the labels on my Brother PT-45 label maker using tape that's clear with black lettering.
- The TT emblem came from a junked Century 21, as I recall. Or maybe it was a from Triton IV? At any rate, it came from some parts radio.
- The CW filter board and rotary switch came from a junked Omni-A Series A. It's the same board that was used in the model 208 CW filter unit sold as an Argonaut accessory. That circuit design was also used in the Triton IV / 540 / 544 series.
- The calibrator board is the one used in the model 206 Century 21 calibrator. This one came to me installed inside a Century 21 Digital by some previous owner. I removed it from the Century 21 and used it in my "211".
- Neither the filter nor calibrator circuit would be difficult to duplicate on 0.1 in. solder blob boards or similar prototyping boards. No magical components involved. The schematics are readily available. I've built examples of both using solder blob boards.
- The PS is a little switcher that I found in a box of miscellaneous stuff left over from a lab cleanout back when I was working. I made sure it was RF-quiet before using it. As I recall it is rated at 3 A continuous, more than enough for the job here. With all of the empty space in the cabinet, I could easily have used a homebrew linear supply. I just used what I had handy.
- The ACCESSORY jack on the Argonaut provides DC power for the optional accessories, so I wired mine to use that source instead of powering them from the Console's PS. This allows the whole thing to be powered by batteries or vehicle power if there's ever a need. The PS is only wired to provide power to the Argonaut.

I probably should have used an original TT pushbutton switch and panel lamp holder (I have some in my TT parts stock) for the Power switch/lamp, but I just don't like them!

Here are some detail photos of the "211". Since these were taken, I fixed the rear panel label that said "STATE" instead of "STATES".

As for the VFO knobs, I've seen both types used on Argonauts. I don't know if that was a factory line change or if previous owners replaced the smaller ones with the larger ones. I prefer the larger knobs, and I may change this one.



University of Scranton W3USR Dedication

American Radio
Relay League

The University of Scranton in Pennsylvania has a new amateur radio station, W3USR. A dedication was held at the university's Loyola Science Center on Friday, October 25th, 2024, led by Dr. Nathaniel Frissell W2NAF, an associate professor of physics and electrical engineering, and club advisor for the University of Scranton Amateur Radio Club.

The new [W3USR University of Scranton Amateur Radio Station](#) supports the radio club, academic research, and the university's outreach to the community. Frissell kicked off the dedication by framing the station's purpose for education, research, service, and fun.

"With the establishment of your radio club and station, you're not just creating a technical resource; you're building a vibrant community of learners and innovators," said Bob Inderbitzen NQ1R, the Director of Marketing and Innovation for [ARRL® The National Association for Amateur Radio®](#). Inderbitzen is also a staff advisor the ARRL [Collegiate Amateur Radio Program](#).

Club President Gerard Piccini KD2ZHK, eremonially handed an application for ARRL affiliation to Inderbitzen, who responded by presenting the University of Scranton Amateur Radio Club with a certificate as the newest ARRL Affiliated Club. Since its inception in 1918, the Affiliated Club Program has united amateur radio clubs to enhance the Amateur Radio Service, recognizing their crucial role in developing active radio operators and serving local communities.

"You are now part of a thriving network of college ham radio stations across the country, each contributing to a larger tapestry of knowledge, innovation, and fun," said Inderbitzen.

Before the dedication, students provided tours of W3USR. Perched five stories up, the room committed to the new station is impressive for being well appointed with the latest amateur radio gear, but also for its panoramic views of the campus and city of Scranton. The station is equipped for HF, VHF, and UHF, and has capabilities for voice, CW, and digital modes, and for operating via the amateur satellites. Among the student tour guides were undergraduate students Piccini; Thomas Pisano KE2BAC, the club's Vice President; Alexandros Papadopoulos KC3WUD, Secretary; James Fox KE2ANL, Treasurer, and Owen Ruzanski, a freshman and new club member.

Guests were also guided to the roof of the science center for a closer look at the antennas, described by Jeff DePolo WN3A. DePolo is the owner of Broadcast Sciences, LLC, which was responsible for designing and installing the station. A centerpiece of the antenna farm is a 40-foot tower with a DX Engineering Skyhawk Tri-Band Yagi for 20, 15, and 10 meters.

"One of the goals was to be able to install a tower without having to do any roof penetrations or anything structural as far as the roof goes," said DePolo. A 200-foot crane was used to set the tower and antennas into place. The tower is attached to ten 12 x 12 steel tubes with 5/8-

Continued on
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Gateway FM Association Status

Curtis McCormick WU3U

Elizabeth, PA, October 28th, 2024 – Hi everyone, this is Curt WU3U and I am reaching out to the people who have been part of Gateway FM and people who have expressed interest in Gateway FM and its legacy.

As many of you are already aware, the world lost Andy, K3MOB/WA3PBD this year. Andy passed away on July 17th from Aggressive Stage 4 Neuroendocrine Cancer. This came as quite a shock to everyone. From diagnosis to his passing was 10 weeks. Andy left behind his wife Susan (KB3CNN) of 26 years, their “puppy dog” Matilda, his two sisters, along with all of us who greatly miss him. Every now and then I still think I’m going to hear him come back to my call on 146.73.

As everyone knows, Andy’s life was amateur radio. As a young man in the 1970’s he was part of the South Hill Brass Pounders and Frequency Modulators and eventually joined forces with a group of guys and started what eventually became the Gateway FM Association. It is nearing the time when Andy would send out his annual Gateway FM Newsletter. Please accept this as that installment for 2024. My goal in this letter is to try and demystify the Gateway FM Association for some, and for others to get you caught up to speed with its current state.

So just what is the Gateway FM Association? I have heard people ask this many times. My take on it from talking to Andy over the years is it’s just that, an “Association”. It’s an association of people with an interest in amateur radio. It’s people that may or may not belong to an official club but wanted to support Andy and his group of FM repeaters, keeping them active here in Western Pennsylvania.

There was no Gateway FM bank account, board of directors or voting of officers, just a handful of trustees, many whom have long passed on or remained as names on a list duplicated year after year without any active participation. At this point many years later, it ended up being just Andy and Susan and a random group of people (you know who you are) helping Andy both financially and when he needed help at the sites. There were many people that stood by Andy as he was tower climbing, people that helped him dig holes for guy wire supports, mix concrete, cut trees and remove stumps but it was mainly Andy.

In the days since Andy’s passing I’ve heard more times than I can count, “what’s going to the Andy’s repeaters?” or “what’s going to happen to Gateway FM?”. These are questions that I did not know the answers to. While I do not control for the Railfan, Scanner and now the 6m net, I’m am not Gateway FM. To some, Gateway FM has been sort of a secret society but to many, a not so secret society of people whom have actively participated with one goal in mind, to help keep Andy’s repeaters on the air for people to use. Andy did nearly all of the work and managed all of the bills. I was just a friend of Andy’s just like many of you were. I have stepped forward with Susan’s blessing to try and see just what remains of Andy’s repeaters and the Gateway FM Association.

Within a few weeks after Andy’s passing Susan started receiving the electric bills for the repeater sites. Previously Andy managed all of the bills and funds for Gateway FM. Susan quickly discovered just how much more Andy was doing for the amateur radio community than many people realized, including Susan herself. If you took a snapshot of those electric bills at that particular monthly level and multiplied them out over twelve months, it was in the \$4000+ range! Andy’s suggested donation to Gateway FM has been \$25 a year. To work in round numbers if you divide that \$4000 snapshot by \$25, that would take 160 people donating \$25 just to pay the electric bills at the sites. That’s not including property taxes, gas for the lawn mower and those kinds of things not to mention all of the physical labor that Andy was furnishing out of his own personal time.

The sad reality was that there were 37 people funding Gateway FM with donations last year. If you take the base donation of \$25 and multiply it by 37, that would be \$925. There were a couple of people that donated \$100 and there was a handful that added an extra \$5 or \$10 to their \$25 donation. Let’s round up to \$1400 in donations last year. Subtracting that number from \$4000 leaves you wondering where the additional \$2600 was coming from. It was coming out of Andy & Susan’s pocket! While Susan may have suspected that a little of that was possible, it was greater than she had imagined. With all of that being said, none of those figures include any equipment, repairs, maintaining the grounds or property taxes. With Andy gone you have to remember that this was Andy’s hobby and not necessarily Susan’s. Susan married into it and proudly holds the call sign of KB3CNN. I don’t think anyone can expect her to keep paying the bills just so the public can use the repeaters.

So where does that leave Gateway FM? I think the answer lies in the public’s support and only the local ham radio community can give Susan the support to help the repeaters survive. In order to keep any or all of the repeaters on the air the expenditures need to first be streamlined to make the best use of the funds donated, and second, see if the public can support it 100%.

Of the three sites, I have purchased the equipment at the 444.0 Monroeville site and it will stay on the air for people to use. I’m already starting to understand what Andy was going through by having just one repeater let alone the ten that he had. I purchased this equipment from Susan only to replace it with a little more modern repeater and there’s a new antenna on the way. The feed line may also need replaced. There are some struggles with that site and I knew that going into it. This is out of my own pocket and no longer tied to Susan or Gateway FM. Any funds going forward that are donated to Gateway FM go strictly to Gateway FM’s cause and have nothing to do with my repeater.

That leaves Susan with the Homestead site, aka 73 and the Hazelwood site, aka 47. It would be Andy’s wish that both of these sites stay on the air. After talking with Susan and realizing what the bills are, there is no way that the public can support both of these sites. It never has and there is no reason to believe that now all of the sudden it can. The donations are just not there to cover the expenses. Again, Andy kept these sites on the air with the bulk of the money coming out of their pocket at the tune of thousands of dollars per year.

I’ve asked for help on behalf of Andy and Susan on all three of the nets that I do. There have been a couple people come forward to cut the grass a few of times. In the past Andy did that. I’m not sure that anyone can expect these people to continue to do that. They were helping in a time of need and that really needs to be covered by the supporters of Gateway FM or have more than just those three volunteers do it throughout the grass cutting season. It would be unfair to expect three out of the many supporters and non-supporters that use the repeaters to keep up with that maintenance at their own expense of time and fuel costs. That means that the price of grass cutting may need added to the electric bills and taxes if that can’t be worked out somehow. It would require upwards of a few hundred dollars a month additional at just one site depending on what kind of summer we have.

One of the worse things that can happen to amateur radio in Pittsburgh would be to lose these two repeater sites. This is prime property for repeaters. I’m not sure that you could ever find two good sites like these in this day and age and if you could, where would the money come from? The good news is that these sites are already in place. Selling one or both of these sites to a commercial radio company means that there would never be any hope of leaving or putting a new amateur radio repeater at one of these sites.

So what can everyone do to try and keep the repeaters on the air in some form or fashion? As mentioned earlier, the overhead needed to be reduced. The low hanging fruit with reducing costs is to lower the electric bills. There are three air conditioners between the two sites. A few months ago they were turned off. These are commercial repeaters and for the most part they can run at temperatures much higher or lower than the inside temperature of the buildings when left unconditioned. We’ve had some pretty hot days since powering down the AC units and the inside temperatures have stayed within reason. There is no fear in the winter months as there is no running water at these sites and the heat generated from the equipment will keep the indoor temperature reasonable.

There were multiple phone lines at each of the sites that in the past were used for auto patch. Auto Patch was left in the dust by cell phones. These phone lines in more recent years were used only as control lines so that Andy could enable or disable a repeater and make changes remotely by calling into the repeater controllers. This can also be done over the air so there really is no need for the phone lines in modern times. All phone lines have been disconnected to further reduce operating costs.

After reducing and reassessing the electric bills, canceling the phone lines and figuring in taxes and the possibility of maintenance of the grounds, there is now a better picture of what it costs to keep the repeaters on the air. Before anyone is asked to donate to Gateway FM for this upcoming year, there just doesn’t seem to be any way that both sites can be supported by public funding. The estimated cost per site after reducing the electric bills and not even figuring grass cutting into the mix, Susan’s calculation shows that it is about \$1500 per year per site or \$3000 a year combined. Previous donations show that it has not been

Gateway FM Association Status

Continued from Page 9

possible to raise \$3000 plus the additional monies needed each year with the current participation baselined from the 2024 donations. This also doesn't not take into consideration equipment and or maintenance of equipment should that need to be done. New feed line or an antenna for any of the repeaters could be in the thousands of dollars. Both of those things are before figuring the price of a tower climber to install these items. I think you may now be seeing the big picture.

Andy would be beside himself for these sites to go away but if Susan is going to try and make a go of it, one of them has to go. With the previous figures and Andy now being gone you can imagine that the donations from last year only made it part of the way through 2024 before Andy started using their money. In other words there is no more Gateway FM money left to use and Susan has cautiously been paying the electric bills. I believe the taxes were paid earlier in the year.

73 has always been the Flagship site in the fleet so it would be the best choice to keep for multiple reasons. It has the most equipment, it has the highest towers and it is the easiest to access to name a few. Many people contacted me and asked what was going on with the repeaters and out of all of those people, one person has graciously offered to lend a hand financially while people tried to wrap their hands around all of this. This person has anonymously been paying the electric bill for the Hazelwood site for the last few months to keep it on the air. They have also offered to buy the 47 site and keep it on the air as an amateur radio repeater site. With the current situation at hand, I'm not sure how a fair offer on the 47 site can be refused especially with the promise of keeping it in amateur radio. This is between Susan and the perspective buyer.

The 47 site can now best be described as being in a transitional stage as things are running their course behind the scenes to change ownership. The 47 site going forward will be someone else's venture with their own cause and effort to maintain unrelated to Gateway FM. It appears it will be in good hands but not without the similar struggles of Gateway FM. Let's also be careful in saying, "since the 47 site is being sold, that money can go into what remains as Gateway FM". You have to remember that Andy & Susan for the last 20 years or so have been covering what the public wasn't able to fund. The sale of the 47 site only scratches the surface on what came out of their pockets over the years. The public money wasn't even paying the electric bills or getting the grass cut for a good portion of the year let alone taxes, equipment and Andy's sweat equity. I don't think anyone can deny those facts.

At this time the person buying the 47 site wishes to remain anonymous and venturing into repeater ownership myself, I can assure you that it's not me. I'm already getting my taste of what it takes to maintain just one repeater while trying and help Susan with what Andy has left behind. The discussions with this party can be likened to the boy that wants to marry your daughter. "What are your intentions?, Can you support her in the manner that she was raised?, Will you be faithful to her?". It is owed to Andy to be sure that this person's intentions are on the up and up and it appears that they are.

So what does this mean for the repeaters and Gateway FM going forward? This would leave only the Homestead site. Just keeping this site on the air with electricity and taxes is around \$1500 per year. This does not cover getting the grass cut. That possibility could be \$1400 a year more if Susan has to pay someone a couple of times a month in the summer. It's takes about 2 hours to cut the grass at the 73 site using your average size lawn mower and a 70+ year old person pushing it who did it just the other day for at least the third time since Andy's passing. One person's \$25 donation will not cover one grass cutting out of the couple that are needed each month in the summer if a commercial company has to do it. Just trying to put this into perspective.

The 73 site houses 146.73, 444.1, 51.740, 222.940, 1.291 ghz and part of the 29.620 10m repeater that is split between the Homestead site and Hazelwood site. As an owner of a 1.2 ghz radio, the 1.2 ghz repeater has seen very little use but there still may be some demand with the Icom IC-9700 selling pretty well. In an effort to lighten the electric bill, at this time it has been turned off until further notice. Likewise there is an issue with the amplifier on the 220 repeater which was mainly used by Andy & Susan, it has been turned off. There was also a low power 70cm repeater at this site that most people didn't even know was there. it has been turned off and that frequency turned back over to the Western Pennsylvania Repeater Council to be repurposed as it seems there is a backlog of available frequencies. Until Susan can see what the new level of support is for Gateway FM, much of this has been done in an effort to save energy to make the best use of the funds that come in. As far as the 10m repeater goes, at this time it is still on the air but sees very little use.

You might say, "with the 47 site going away it almost seems like half of the repeaters are going away?". This really only means that 145.47 and 441.3 will no longer be part of what Gateway FM supports besides the previously mentioned changes which may be short or long term. At this time the person buying the 47 site has offered to leave their half of the 10m repeater online which keeps it fully functional. For those of you that don't know, your 10m signal is received at one site and it's sent across the river on a back haul link and transmitted out of the other site. It was Andy's way of saving money and building space by not having to buy those really BIG and EXPENSIVE 10m duplexer cavities. It's actually a very ingenious way of doing 10m and it's one of the only 10m repeaters in the U.S.

So what can you do to help? It's obvious with this long letter that you should now be seeing that it takes money to keep these things on the air. It also takes labor to keep them on the air. Only the public can decide how this will go. What everyone can't do is complain after the fact if the 73 site can't be supported enough to stay on the air. This is a one and only plea and reality check to find a new starting point to try and keep things going. People can no longer sit back and just assume that Andy has everything covered. Andy is certainly is with us in spirit but he's not here to cut the grass, he's not here to climb the tower, he's not here to write those checks each month without Susan knowing exactly what was coming out of their pocket. Trust me, Susan loves Andy very much and this didn't surprise her because she knew that this was his passion but the new reality is, that's not going to happen anymore. Susan will know what's coming in and Susan will know what's going out. Like your own personal finances, what's coming in needs to be more than what's going out. Andy asked for donations each year starting around November. The suggested donation has been \$25. If you would like to donate more, it would obviously be GREATLY appreciated. Susan will consider your donations received after this newsletter goes out as a donation to fund the repeaters for year 2025.

Any and all donations should be sent directly to Susan and they will be earmarked into a separate account used only for the repeaters. This will still be a personal account so if you send a check, please make it out to "Susan Pato". While this is by no means a for profit venture, covering the electric bill, taxes and grounds maintenance are just the beginning. At some point in time something is going to break. There seems to be people in the community that will be able to technically support any hardware issues. There are a lot of smart and qualified people out there willing to help. Purchasing a new antenna, feed line or even paint for the buildings etc needs to be covered out of what is donated to keep Gateway FM on the air. These antennas aren't the same \$200 antennas that you and I use at home. They are typically in the \$1700-\$3800 range depending on the band. Paying an actual tower climber for a day could be upwards of \$2000. As you can see this is no small commitment and public support is the only way it can happen.

This is a group effort. If you are interested in helping Susan keep this going, please don't rely on someone else to make a big donation because there is no guarantee that will happen. Please tell your friends and other people in the community that Susan can use their support. A new Gateway FM roster will be created from those that donate and you will be kept in the loop with it's progress.

Donations can be sent to

Susan Pato
234 Mifflin Hills Drive
West Mifflin, PA 15122

Thank you for taking the time to read this lengthy letter. I just didn't know any way that it could be have been shortened without leaving out details that may keep you from seeing the big picture. There have been quite a large number of people that have asked about donating to keep the repeaters on the air. Now is the time to show that support. As mentioned earlier, I am not Gateway FM, those that donate and help out makeup Gateway FM. My goal is to help Susan get things organized with the public so that she can receive donations going forward and see if the level of support is enough to keep things on the air. If the public can't support it through monetary donations and donations of people's time, nobody can say that there wasn't an attempt to try and keep it going. This is that attempt. If you have any questions, please feel free to reach out to Susan or myself..

Happy 50th Birthday, AMSAT Oscar 7

Jan King W3GEY
AMSAT AO-7 Project Manager

Washington, DC, November 1st, 2024 – It has often been reported that the oldest satellites still working in space are the space probes Voyager 1 and Voyager 2. The Voyagers were both launched in 1977 to take advantage of the planetary alignment called, back then, the “Grand Tour”. Their images changed the human vision of our solar system.

But, are they really the oldest, still functional spacecraft in outer space? What if we include spacecraft that remained behind in Earth Orbit? Is it even believable that the oldest still working satellite in space wasn't even designed or operated by NASA, USAF, ESA or any other space agency? What if this satellite was designed by Radio Amateurs and the final assembly occurred in a basement laboratory not far from Goddard Space Flight Center?

Then all things considered, AO-7, a SmallSat launched on November 15th, 1974 is the oldest working satellite and is still providing service to hundreds of Amateur Radio operators around the world. In its first life, AO-7 lived a very healthy lifetime of 6.5 years. Not to over-state the case, AO-7 outlived both its commercial and government co-passengers launched by Delta-104.

In late 1980, AO-7's poor, abused, NiCad battery began to show serious signs of increased series resistance. This was a sure sign to AMSAT command stations that the end was in sight. The cells had been originally matched for capacity by NASA. And, indeed the cells all failed within a matter of weeks of one another.

AO-7 stayed asleep for 21 years, to the nearest month. Then one day AO-7 woke up again. This was only possible if something caused an open circuit in the battery.

A very active user of AO-7, Pat Gowain G3IOR, from the UK, made a telephone call to Perry Klein W3PK (first AMSAT President and designer of the VHF/HF transponder). This was on June 21st, 2002. Pat wondered if we had launched a new LEO spacecraft? He was hearing Morse Code Telemetry again on the old beacon frequency of AO-7. He played Perry a tape recording. It sure sounded like AO-7 telemetry!



Many radio amateurs who were satellite enthusiasts very quickly began to observe the signals from AO-7 and the second life of the "Sleeping Beauty" of satellites began.

Over the next three weeks in November AMSAT News Service will honor this historic achievement with a series of short articles highlighting the life of AMSAT OSCAR 7. In the meantime be sure to visit a special page on the AMSAT website where you will find a collection of AO-7 articles and links at <https://www.amsat.org/amsat-ao-7-a-fifty-year-anniversary/>.

(Thanks to AMSAT News Service ANS-308)

HR 4006—Amateur Radio Preparedness Act

Constable John Vith
K3JFV

Coraopolis, PA, October 27th, 2024 — Greetings All ...

With the 2 year 118th Congress session Expiring the last day of 2024, the Federal Election cycle likely to change some of the Sponsors / Co-Sponsors / potential supporters into "Lame Ducks", and the limited number of "Actual" work days / days in Session remaining, this is an item that can benefit us all but is increasingly time sensitive.

Should this not be enacted by years end, the effort dies, and must be started anew in January 2025 or afterwards for the 119th Congress session (1/1/2025 - 12/31/2026).

Additionally, one of our challenges is that the Original Sponsor of this effort, Ohio Congressman Bill Johnson, Retired from Congress during the process. Sponsorship then transitioned to Texas Congressman August Pfulger - a first Term Congressman who may not have established the "network" to gather support. We need someone supportive of the Amateur Community to help spearhead the effort before expiry.

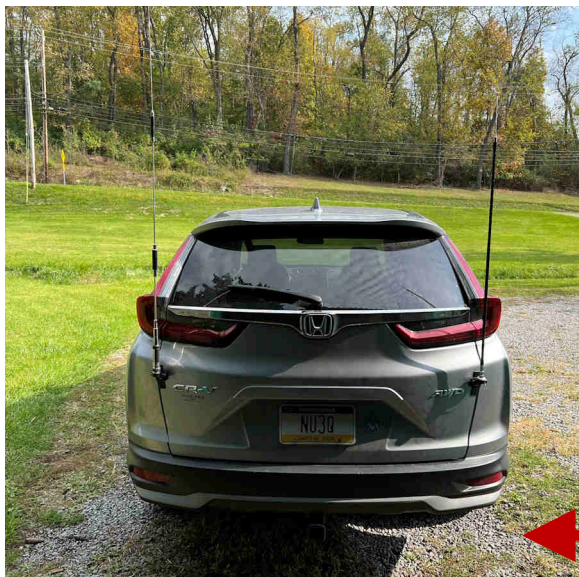
HR 4006 - Amateur Radio Preparedness Act - 118th Congress

<https://www.congress.gov/bill/118th-congress/house-bill/4006/text>

This would offer expanded protections for Amateur Radio Antenna installations, including reeling in overly restrictive HOA's, Landlords and Municipal / Local Governmental bodies. Think of it as a parallel to the OTARD Over The Air Reception Devices protections offered to Broadcast TV antennas, Satellite TV antennas, etc ...

Of particular interest are sections that spell out certain antennas that DO NOT need prior approval including their necessary support components or structures, Amateur access to COMMON AREAS for antenna installations, and prohibiting Enforcement of questionable Prohibitions prior to a Ruling by the FCC or certain Courts.

... hope this helps ...



Upcoming Allegheny County ARES Meetings

Bob Mente NU3Q
Allegheny County
EC

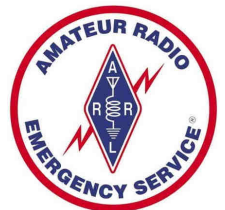
Carnegie, PA, October 23rd, 2024 -- Upcoming Allegheny County ARES meetings:

Saturday November 9th, at K3MJW Skyview 9:30 am. 2335 Turkey Ridge Road 15068.

I will be at Eat and Park in Parnassas at 7:30 am for those who want to join me for breakfast. 380 Freeport St, New Kensington, PA 15068.

Saturday, December 14th, at W3KWH Steel City 9:30 am. 208 McMichael Road 15106

I will be at Eat and Park in Robinson Twp. at 7:30 am for those who want to join me for breakfast. 100 Park Manor Drive (PA Route 60).



Bob NU3Q has made available pictures of his recent mobile installation..
More pictures at <https://bobmente.smugmug.com/NU3Q-Mobile-Install-10-24>

The W3 Incoming QSL Bureau Needs Your Support

Jack Ference W3KX
Manager
ARRL Third Call Area
Incoming QSL Bureau

Dayton, MD, October 2nd, 2024 – Fellow Radio Amateur and W3 Bureau user:

Up until now, the ARRL reimbursed Bureau managers for expenses to maintain a Post Office box and forward QSLs received from the ARRL and foreign bureaus to its sorters. In July, the ARRL informed all QSL bureau managers that reimbursement would stop at the end of this year.

You are receiving this message because you have been an active user of the W3 Incoming QSL Bureau for the past few years. I am contacting you to request your support to help the Bureau in its time of greatest financial need.

From March through December of 2023, I processed over 55,000 QSLs and forwarded them to W3 Bureau sorters in seven shipments. The cost of forwarding foreign QSLs to sorters ranges between \$1,300-\$1,600 per year. QSL shipments to users from their sorters are covered by their SASEs and funds in their bureau account. The cost to forward foreign QSLs to sorters is not. After learning about the ARRL's change in reimbursement policy, adjustments were made to shipments to sorters to reduce bureau expenses.

If the Bureau service and QSLs you receive are important to you, I would like you to consider donating \$15-\$25, or whatever amount you can afford this year, and pledge to make annual contributions to help sustain Bureau operations. **Without user support through donations, Bureau operations could quickly and abruptly come to an end.**

Donations to the W3 Incoming QSL Bureau should be made directly to the NCDXA, the Bureau's sponsoring club. Donations by cash, check or using PayPal, Venmo or Zelle will also be accepted. The NCDXA is a 501(c)(3) club, so contributions are tax-deductible. If you are interested in donating, please go to the NCDXA's website at <https://www.ncdxa.org/donate.shtml> for information on how to donate. Please remember to indicate your name, callsign and club affiliation with your donation.

Also, if you are dissatisfied with the ARRL's action to stop reimbursement of Incoming QSL Bureaus, you are encouraged to contact your ARRL Division Director and make your feelings known.

If you have any comments or questions, please contact me directly, w3kx@arrl.net.



ARRL VEC Services Update

American Radio
Relay League

Newington, CT, Updated October 30th, 2024 – ARRL [previously reported](#) that we are responding to a serious incident involving access to our network and headquarters-based systems. Several services have been affected, including those administered by the ARRL Volunteer Examiner Coordinator (ARRL VEC).

Exam Registrations and Materials. ARRL Volunteer Examiners (VEs) should continue to submit exam registrations and material requests. We are able to post new or revised exam session dates and details to the website, we continue to ship out exam materials. Please remember that most exam materials are available on our website (www.arrl.org/resources-for-ves).

Processing Applications to the FCC and VE Session Counts Webpage. We are processing Amateur Radio License applications to the FCC. This includes applications for new and upgrade licenses, individual applications, and club license applications. The VEC exam session upload webpage was not affected by the incident. The VE session counts webpage data entry programming had been unavailable since May 12th. That part of our program's systems became operational again mid-October. However, there is a 5 to 6 month backlog of session and VE participation data to enter into the system. It will take some time for the session counts page to reflect the data correctly but will be updated as quickly as we are able. We thank you in advance for your patience and understanding, as we work our way through the backlog.



VE Accreditations, International Radio Permits and License Class Certificates. As of mid-October, we are able to create Volunteer Examiner (VE) badges, certificates, and stickers. New ARRL VE applications and accreditation renewals are also being processed at this time. International Amateur Radio Permits and License Class Certificates are being created and shipped.

VE Newsletter VE-List Server. The VE Newsletter email program has been unavailable since the security incident in May. New subscribers cannot be added and existing information cannot be updated. Please check back in with us when we have access to that program system.

2024 – 2028 Extra Class Exam Booklets. A previous version of this story indicated that the ARRL VEC will supply its officially appointed, field-stocked VE team leaders with the new Extra-class exam booklet designs around mid-June. Due to ARRL's recent system disruption, the shipment was delayed. The exam booklets were shipped out July 8 and should have been delivered before August 1. VE Teams may contact the ARRL VEC to receive instructions on how to print new Extra exams in the interim. The newly revised pool must be used for Extra-class license exams starting July 1, 2024. Exam designs based off the previous pool are no longer valid. The outdated versions of the Extra exams should be destroyed or thrown away to avoid a mix-up at the testing session.

ARRL Youth Licensing Grant Program | FCC Application Fee Reimbursement Information. ARRL is continuing to accept [reimbursement forms](#) to cover the one-time \$35 application fee for new license candidates younger than 18-years of age for tests administered under the auspices of the ARRL VEC. Reimbursement checks may take longer than normal to be processed at this time.

We appreciate your patience as ARRL continues to work on restoring access to affected systems and services.

On the evening of September 21st, 2024, Greg Owen WX7Z heard an amateur radio emergency call on the VHF frequency known as the national simplex calling frequency, 146.52 MHz. Ed Clark K7ELC was calling to get medical help for a 51-year-old man who had rolled his four-wheeler.

Mac Mackintosh, W7ENZ, found the accident and injured man near his property where there isn't any cellphone service. Mackintosh had given his handheld radio to Clark to make the call for help while he gave aid to the injured man. The injuries were serious... head trauma, broken collarbone, broken ribs, and difficulty breathing.

Owen called 911 to request help. An ambulance, Life Flight helicopter and law enforcement were dispatched to the location, which was 35 minutes outside Orofino, Idaho. Meanwhile, Owen continued using the amateur radio to relay updates to the dispatcher. The injured man was transported to the hospital via Life Flight and at last report was recovering.

Gardner said hams in Idaho support an old national program called the Wilderness Protocol which encourages the use of the national simplex calling frequency, 146.52 MHz.

"As amateur radio operators, we train to be available to help when help is needed. The more that ham radio operators listen to the radio, the more chance there is that someone will be listening to take your emergency call. This is something that has been used many times throughout this county and here in Idaho," he said. "This is another incredible story to share."

— Don Gardner W7PJ, ARRL Idaho Section Emergency Coordinator, via the American Radio Relay League

W7REX Response to Disqualification

Dan Marler K7REX

Boise, ID, (received) October 5th, 2024 – I have received a demand from the Ethics & Elections Committee to retract certain statements in my last email message (to the ARRL Northwestern Division) within 24 hours or suffer the consequences. The complaints of the Committee are unfounded in my good faith view. But since they have the power to disqualify me if I do not comply with their demand, I offer each statement, their complaint, and my justification to them. I believe my statements contain nothing inaccurate, false or personally accusatory. Accordingly, I leave it to you to hear both sides in fairness.

Each of the five specific statements questioned by the E&E state my opinion and belief as to certain matters that I believe do or may adversely impact the ARRL and invites potential voters to evaluate whether they share my concerns as to those matters.

Excessive employee turnover, expensive compensation, a decision to engage in the sale of amateur radio equipment that competes with the League's advertisers, the extended absence of IT leadership that may have contributed to a \$1,000,000 ransomware attack that resulted in damage to the League's finances and operation, and the unacceptability of handicapping Directors by withholding financial information are what they demand is retracted. For your information as a voter, you decide. as to each of my stated opinions below:

My Statement: "If you are concerned about historically high personnel turnover in Headquarters, where over 50 League employees have left since the arrival of the present CEO, your views align with mine."

E&E's COMPLAINT: As we discussed, there have been people leave the ARRL, but this was through natural attrition and not due to the arrival of the present CEO. It has been long known that we would experience a higher number of retirements since there was a large increase of employees hired in the 1970's and 1980's. This along with the natural attrition of employees leaving for better pay or advancements in their particular fields of employment has caused our employee numbers to fluctuate some but is not the fault of the CEO.

MY RESPONSE: The statement that employee turnover for the prescribed period of time is historically high is accurate. The statement that over 50 League employees have terminated their employment during the prescribed time period is accurate.

The statement does not identify any reason for the turnover or attribute responsibility for the historically high turnover to any specific cause or person. Your objection is based on the false assertion that the statement attributes cause of the historically high turnover to the "CEO." The reference to the "CEO" merely establishes the time period during which the employee turnover is excessive; it does not attribute the turnover to anyone.

As there are neither inaccuracies nor anything false in the statement, my answer stating both sides of this issue here should settle the concern.

My Statement: "If you are concerned that an annual salary of \$350K plus benefits for the ARRL CEO is substantially above what is warranted, your views align with mine."

E&E's COMPLAINT: As we discussed, Mr Minster is not making \$350,000 at this time. His salary is \$315,000. This figure was verified today and is correct.

MY RESPONSE: The statement expresses my concern that the compensation for Mr. Minster exceeds that which is justified for his position and responsibilities. The dollar amount is sourced from multiple Directors who advised that the Administration & Finance Committee approved a \$100,000 salary increase to Mr. Minster's initial base salary of \$250,000. If that compensation package has been modified, it appears the modification is unknown to multiple members of the Board.

If the \$350,000 amount is not current, and if no increase to the \$315,000 salary amount has been formally or informally agreed to, I have no objection to correcting the dollar amount, but a concern about executive compensation being too high will not be withdrawn or restated. I ask for verification of Mr. Minster's current salary and benefits and any approved increases that have not yet taken effect. This will allow me to accurately respond to the membership.

My Statement: "If you think there is no need for the League to sell antennas competing with its advertisers, your views align with mine."

E&E's COMPLAINT: As we discussed, we are selling "kits" to encourage folks to get back into building again. These "kits" are also being used for our STEM projects for students and teachers as well. Our advertisers do not have issues with us doing this, therefore there is no competition.

MY RESPONSE: The statement accurately reflects my concern that the ARRL, financially dependent on advertising revenue, has - or may have - erred by choosing to sell amateur radio equipment similar to that offered by the ARRL's advertisers. All antennas require some assembly, so attempting to differentiate the League's offering by characterizing it as a "kit" is disingenuous. I would point out that JK Antennas' JK803 is also a "kit". The ARRL's rationale for offering the "kit" doesn't alter the fact that it is amateur radio equipment of a type available from the ARRL's advertisers.

The fact, if true, that none of the ARRL's advertisers have publicly, or perhaps privately, objected to the ARRL's conduct does not alter the reality that the ARRL is selling a product, an antenna, that is offered by multiple ARRL advertisers. It is competition whether anyone complains about it or not: a rose by any other name...

As there are neither inaccuracies nor anything false in the statement, my answer here should settle the concern. But members should decide.

My Statement: "If you feel that not having an Information Technology Manager for the majority of the present CEO's term is unacceptable and may have contributed to the ransomware attack damage, your views align with mine."

E&E's COMPLAINT: As we discussed with this question and question 1, employment today is much different than it was for you and me. Young adults today jump from one job to another regularly for advancement, benefits or just plain old salary increase. The loyalty to stick to a single employer as you and I did in the past is not the philosophy of today. Today, these young adults, many of them in high-tech jobs, go to the highest bidder and the ARRL isn't usually the highest. So, to imply that this is the CEO's fault is something that just isn't so.

MY RESPONSE: Once again, you are inferring causation, which I did not assert. I made no statement or implication that any of the foregoing was the fault of the current CEO. That said, lacking an IT manager for an organization of the size and importance of the ARRL for a substantial period of time, in this case a period measured by the term of the current CEO, is unacceptable because of the risk that the absence of such leadership, oversight, and knowledge poses to the organization.

My statement also conveys my belief and concern that the absence of such a Manager for such an extended period of time reasonably could have contributed to the lack of maintenance or installation of protocols that could have prevented a \$1,000,000 ransomware attack.

As an aside, your comments regarding young adults are remarkably wide of the mark, as neither of the two IT managers since 2016 met the definition of young. My statement contains nothing inaccurate, false or personally accusatory. Accordingly, I leave it to the voters having sent the E&E concerns.

My Statement: "If you feel that keeping any League financial information from ARRL Directors is unacceptable, your views align with mine. "

E&E's COMPLAINT: As we discussed, this is a very misleading statement. If you or I are asked for information at a meeting that we aren't able to provide immediately with but was willing to get that information and report back at a later time, is that refusing to give you the information? If the person wanting specific financial information demands information on the spot as has been a few times by a specific Director, is that fair to state later that you asked for and was refused the information?

MY RESPONSE: My statement accurately reflects my belief that failing to provide financial information to the Board of Directors is unacceptable. Although my statement does not explicitly allege that such conduct has occurred, in fact I previously provided the Ethics & Elections Committee with multiple, verifiable instances in which financial information had been withheld from or denied - not delayed - to Directors. E&E Chairman Baker did not disagree or advise me that any of those examples were not true and further advised me that he would allow them to stand. There are multiple Directors prepared to publicly verify the accuracy of those instances.

It is my opinion that my original statements do not contain any inaccurate, false, personal accusatory comments.

I leave it to you to evaluate the validity of E&Es complaints. Please make your own decisions.

KZ2A Status

Simon Lutrell
XWØLP / XZ2A

Luang Prabang, Laos, October 29th, 2024 -- I will return to teach and do educational voluntary work in Myanmar in a few weeks. I will be living in the City of Mandalay. I will apply to renew my XZ2A Operating Permit, but with the current civil war in Myanmar, I do not expect the military authorities to agree to this!

Manalay will probably come under attack from the civilian fighters sometime early next year, as the are already close to the city. Teachers and most foreigners have already fled the city, and so, an entire generation is missing their education. As an old man (!), I prefer to help others, rather than sit on a sunny beach in Thailand...



To: _____ UTC: _____ Band: _____ Mode: _____
Date: _____ Pwr: _____ Ax: _____ QSO | SWL
Signal: _____

VK9X / VK9C 2025

Guenter Gassler
DL2AWG

Muenchenbernsdorf, Germany, October 1st, 2024 -- I hereby announce our next DXpedition, which will bring us to **VK9X** Christmas Island and to **VK9C** Cocos (Keeling) Island in February/March 2025. We will be a team of five experienced DXers under my lead – four from Germany (DL2AWG, DF4GV, DL2AMD, DJ9RR) and one from Australia (VK6SJ).

Operation will be from February 18th to March 4th from Christmas Island, and from March 4th to March 12th from Cocos Keeling. We will operate three stations 24/7, all with 500W PAs, in CW, SSB, FT8, RTTY. Planned antennas: 20m-6m Hexbeam, 160/80m vertical, 40m-10m DX-Commander vertical, 30m J-Pole, 17/12m Rhombic.

All flights and accommodation are booked and confirmed. We have valid CEPT licenses for VK9 (i.e. VK9/homecall), but we are in the application process for genuine VK9 licenses (**VK9XU** for Christmas Island, VK9C callsigns to be announced as soon as issued).

I will keep you posted.

8Q7TR will be QRV through 9 November from Kagi Island, North Amale Atoll, Maldives, holiday style, SSB & FT-8, QRP. QSL via OE1TRI

ZD7G and **ZD7SFU** will be QRV through 22 November, holiday style, 160-10, pirimarily FT8 with some SSB and solw CW. QSL ZD7G via JM1GDA, ZD7FSU via JF3SFU

EA8/DF8AN will be QRV from EU-004 through 11 November, various HF bands, mainly CW and Digital modes. QSL via DF8AN or the bureau.

V55LA will be QRV through 11 November, HF with an emphasis on the low bands, CW SSB & Digital. More information at <https://www.ardxpeditons.com/dxpeditons/v55la>. QSL via MØOXO

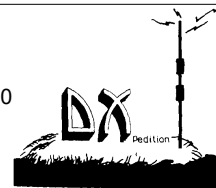
W4VKU will be returning to **VU4 Andaman Islands** in late November to mid December. Call TBD, possibly **VU4A**, he was **VU4N** on a previous trip. More information will be posted on his QRZ.com page as the trip dates become closer.

The Rebel DX Group reports on their Facebook page that they have received the landing permits for Bouvet Island.

TY5C will be QRV 19 January—2 April 2025, holiday style, 80-10, mainly CW and FT8. QSL via F5RAV.

4U3ØB is a special callsign issued to the 4U1GSC ARC to mark the 30th anniversary of the UN Global Services Center. The call will be active from 15 November—31 December. You can check if your callsign is in the log at ClubLog. QSL via 9A2AA or as directed.

DX News Briefs



5R8CI & **548WE** are QRV through 6 November, 40 – 10 CW SSB and FT8 (SuperFox). QSL via OQRS

TO2DX is QRV from Reunion through 7 November, HF, CW and Digital. QSL via OM2DX or LotW.

3DAØDL is QRV through 9 November. More information at <https://webufr.d17ufr.selfhost.eu/3da> QSL via DL7UFR

5R8IC is QRV through the end of December, HF, mainly CW with some SSB. QSL via F6ICX or ClubLog.

V31TL will be QRV 5—8 November from POTA Park BZ-0057; he will then head to BZ-0075 and possibly BZ-0072. QSL via AK2G.

FR/F5SGI will be QRV from AF-016 7 – 18 November. QSL via Bureau or LotW

FW7AA will be QRV 16-29 November including the CQWW DX CW Contest. QSL via W7YAQ, ClubLog, or LotW

T88PB will be QRV 22-26 November, 160-6, CW SSB and FT8including the CQWW DX CW contest. More information at <http://padasan.jimdo.com>. QSL via JAØJHQ or LotW.

3D2NB will be QRV 30 November – 2 December. QSL via W7YAQ, ClubLog, or LotW

C8K will be QRV 17 January – 2 February 2025, 160-6 including 60, SSB CW RTTY FT8/4, PSK31. More information at <https://www.cdpx.cz> QSL via OK6DJ, OQRS or LotW.

ZD7KYD will be QRV 6 – 15 February 2025, 17-10, CW. QSL via KY8D.

3B9DJ will be QRV from Rodrigues Island 23 March – 5 April 2025, 80-10, CW SSB & FT8. QSL via OK6DJ or OQRS

TX7XG will be QRV 9-15 April 2024 from Fakarava Atoll OC-066, 40 – 6, CW SSB RTTY FT8/4 and Satellites. More information at <https://tx7xg.amebaownd.com> QSL via JA1XGI or ClubLog

HD8G will be QRV 18 – 27 April 2025 with 10 stations, HF, with dedicated 6 meter and Satellite stations. More information at <https://hd8g.com> QSL via MØURX

QSL Routes

3D2MA via VK3BDL	HZ9WSW via HZ1SAR	PI24XMAS via PA5DX
5B4AGN via MØURX	II1RM via IQ1GE	PX2A via PY2VM
5K6MZL via HK6RM	II3RINT via IQ3TN	SØ1WS via EA2JG
5R8CI via SP6CIK	II4RCDN via IZ4FUE	SA2T via SA2TMA
5R8WE via SP9FIH	IRØROLB via ISØJHX	SA6U via SM6LJU
5WØBP via KD6XU	IRØROMA via IKØLZR	SB7S via SM7PXS
8P5A via HA1AG	JII1FGX/DU9 via	SC7DX via SM7GIB
8Q7UX via IKØFUX	JJ2VLY	SD6D via SM6RXZ
9J2FI via DL2RMC	JW5X via LA5X	SGØX via SMØMLZ
A41NN via A61BK	K6M via N7LE	SJ2W via SM2LIY
A43S via A47RS	K7E via K7VZ	SN12ØABPAB via
A71WV via EA7FTR	KHØW via KCØW	SP3PGR
AM1ØØØMM via EA3EYO	KH8T via MØURX	T32AY via KH6QJ
AM24SF via EA1CW	KL7SB via N4GNR	TF2R via TF3AO
AØ2ØØCNP via EA7DA	L71D via LU7DUE	TG9ADM via EA5GL
C21MM via DL4SVA	MW9W via GWØKRL	TG9AJR via MØURX
C5I via EA5GL	OE8WIESN via OE8XCF	TI9/TI2JJP via
C5T via EA5GL	OG1D via OH3RB	EA7FTR
CR6A via CT1IUA	OG1F via OH1F	TJ1GD via SP3EOL
DM6ØIOTA via DL2VFR	OG7A via OH6MW	TK9R via IK8UND
ED8M via EA8DIG	OG8M via OH8MCT	TM5RT via F5PTI
EE4M via EA4HPY	OLØM via OK1CDJ	TM68KUP via F41VR
EG3RGC via EA3ACA	OL5GMA/P via OK3EQ	TO2DX via OM2DX
EG8CPA via EA8TK	OL9ØABU via OK2ZAW	VE9POTA via VE9CF
EG8DP via EA8SURE	OT6V/P via ON6VI	VL3E via VK3TZ
EH7DLH via EA7DA	OV1RR via OZ1HHH	VP2MDM via K2DM
EI2WRC/P via EI2HZB	OX3AH via EA5GL	VP2MMM via NK8L
FG8OJ via MØØXO	OX3LX via OZØJ	VP2MMX via NØSMX
GBØRTM via G6BSE	PA1VS via DE7VSH	YI3AA via IK2DUW
GB2NZ via MØØXO	PA21XMAS via PA5DX	ZD9GJ via W7GJ
GD5BDX via GM5BDX	PD21SANTA via PA5DX	ZM1ØØDX via MØØXO
HB9SPACE via HB9ACA	PD22HNY via PA5DX	ZW8C via PS8PL
HG1G via HA1YI	PE75NATO via PD1SLF	

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.**

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- Antennas Rotors & Towers
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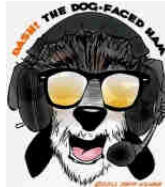
Antenna Zoning or PRB-1 Issues?

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



For Sale: Shift "Lightblast" entertainment projector for PCs and game devices. Allegedly projects an image 10' wide. Bought online by my daughter, found that she could not use it nor could she return it. Advertised as "new" but appears to be used.

As-is. Best offer over \$35 (plus S/H). Email Ron W3WN w3wn@n3sh.org if interested.

US Amateurs by Class as of November 1 st , 2024		
Novice	6,411	0.757%
Technician	424,489	50.10%
General	202,871	23.94%
Advanced	34,687	4.094%
Extra	166,621	19.66%
Club	12,286	1.450%
Total	847,365	

Information gathered from FCC Daily Updates, courtesy of AE7Q.com

PA Amateurs by Class as of November 1 st , 2024:		
Novice	292	1.083%
Technician	12,043	44.67%
General	6,833	25.34%
Advanced	1,359	5.041%
Extra	5,993	22.23%
Club	440	1.632%
Total	26,960	

Information gathered from FCC Daily Updates, courtesy of AE7Q.com

Latest Region 3 Sequential Calls, Issued as of November 1 st , 2024	
Group A	AC3NH
Group B	KF3EW
Group C	(none available / all issued)
Group D	KD3AAU

Information gathered from FCC Daily Updates, courtesy of AE7Q.com

W3USR

Continued from Page 8

inch walls that are tied into the steel structure of the roof. The tower also includes an antenna for the W3USR 70-Centimeter repeater, and a fan dipole for 40 and 80 meters. Additional antennas are installed on mounts across the roof.

Most of the more than \$200,000 of funding for the new station came from a generous grant from Amateur Radio Digital Communications (ARDC), which has awarded many grants and scholarships supporting amateur radio and students pursuing higher education. Additional donations and support were made by Dr. Mary Lou West KC2NMC; Ed Hayes N6XEM (Class of '61); Jeff DePolo WN3A; DX Engineering, and The National Science Foundation (NSF).

The dedication ceremony included remarks from ARDC Executive Director Rosy Schechter, KJ7RYV; NSF Aeronomy Program Director Dr. Shikha Raizada WP4PYE; The University of Scranton President Fr. Joseph Marina, and Interim Provost Dr. Tracy Stewart.

The ceremony concluded with a presentation of one of the many research projects pairing students with radio amateurs and scientists. Papadopoulos described programming techniques he and Piccini had learned in a DSP course which they used to automate the analysis of an HF time difference of arrival (TDOA) experiment conducted by Steve Cerwin, WA5FRF. Cerwin is a retired Institute Scientist at Southwest Research Institute where he designed custom electronic instrumentation and antenna systems. The experiment sought to identify multipath propagation modes between two HF stations by transmitting an audio chirp using conventional amateur radios and measuring the height of the F2 region of the ionosphere by sensing and analyzing the TDOA.

The University of Scranton Radio Club was established in 2020. Throughout its short tenure, the club has garnered the attention of the wider community of university amateur radio clubs for its success in developing student experiences with radio communications and wireless technology.



Gerard Piccini KD2ZHK being presented with an ARRL Affiliated Club certificate by ARRL's Bob Inderbitzen NQ1R, during the W3USR station dedication on October 25th, 2024. Photo courtesy of and © Copyright 2024 American Radio Relay League

Russia/Belarus Participation in all CQ WW Contests

Windham, NH, September 25th, 2024 – As you may be aware, it has been the policy of CQ magazine for over two years to eliminate awards eligibility for Russian and Belarus entries in all CQ sponsored events. This requirement was never incorporated into the rules for any of the WW contests; it was limited to a simple policy statement.

What is most notable at this time, is that the WW contests are one of the few competitions still maintaining this position (or similar). As a result, and after consultation with our WW Contest Directors and WWROF leadership, we will be changing the current policy, effective immediately, and returning all of our contests to normal operation.

— 73, John, K1AR, Director, CQ WW Contest

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?



WASHfest 2025

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

Sunday, February 23rd, 2025

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: TBA

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:

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, 2025.

Reservations received after February 1st, 2025 must include payment in full.

Reserve now... we have sold out in advance fourteen 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 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: _____

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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Arhhh!

What Mightst We Draw For Ye, Matey?



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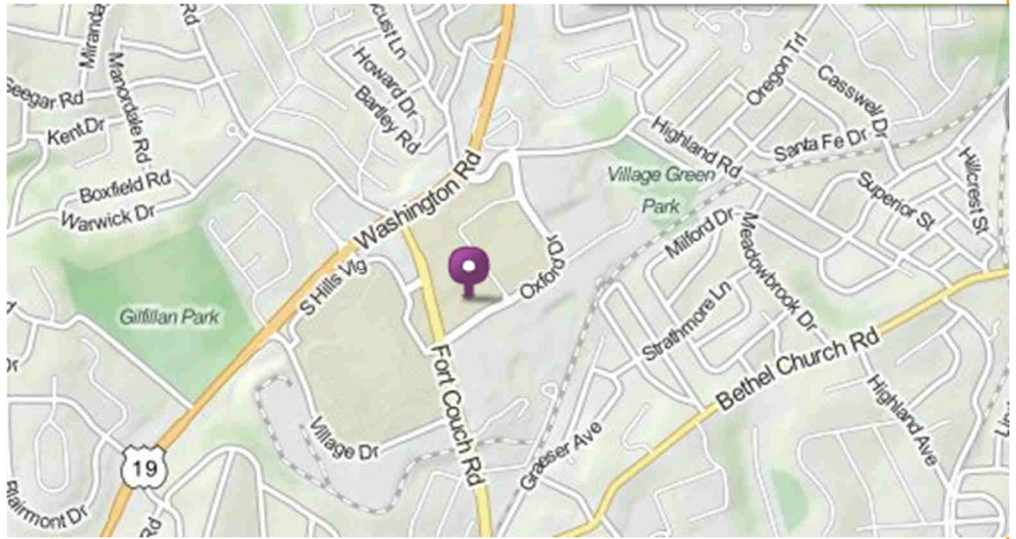
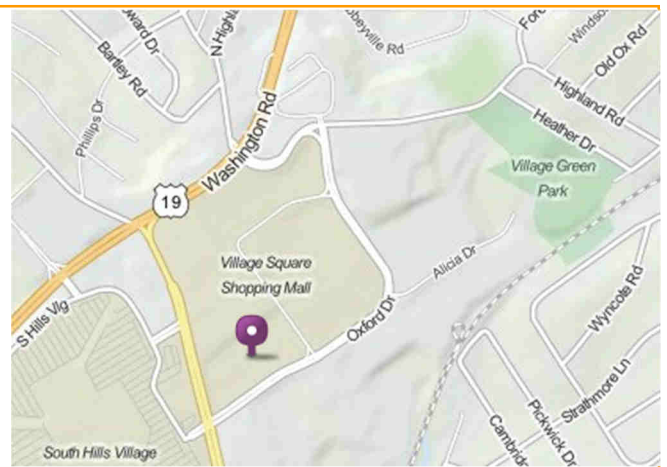


2024 WASH Meeting Location

**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



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