



WASHRAG™

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VOLUME 23 ISSUE 05
MAY 2021

Wireless Association of South Hills



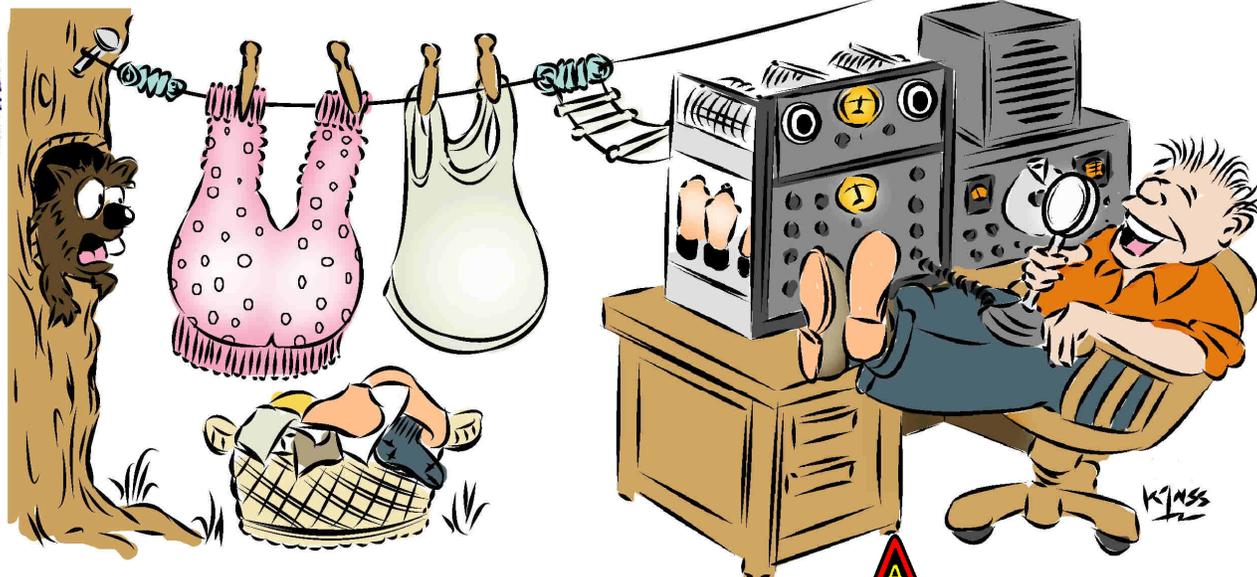
POTAP!

N3SH WA3SH NP2SH/B

www.n3sh.org



Wireless Association of South Hills



WASHRAG™



VOLUME 23 ISSUE 05

MAY 2021

Next Monthly Meeting: Thursday, May 6th, 2021

The next scheduled meeting of the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. will be on **Thursday, May 6th, 2021.**

Due to the pandemic situation, the conference room at St. Clair Hospital's Outpatient Center is not available, and has been replaced by an on-line Zoom meeting, also starting at 7 PM.

If you would like to attend but did not receive an invitation, contact Tony KB3BYA.

See you there!

Cover Photo: Curtis KB3CMT during one of his recent POTA operations. (See article Page 6)

Cover Photo courtesy of and © Copyright 2021 Curtis Turner KB3CMT

WASH 2021 OFFICERS

EXECUTIVE COMMITTEE:

President	Tony Romano KB3BYA
VP / Secretary	Dan Campbell K3CMU
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 KC3MLL
Webmaster	Curtis Turner KB3CMT
Quartermaster	Harold Rosenberger K3HCR
WASH FM Net Manager	Chuck Bihun KC3ELA
WASHFest 2022 Committee	Carol Danko KB3GMN, Chairman
	Bill Hill W3WH, Co-Chair
Activities & Operating Events	Rick Bell KB3IAC
Ways & Means	Carol Danko KB3GMN
WASH 2M Contest Chair	Chuck Bihun KC3ELA
Field Day 2022 Coordinator	Glen Roberts KE7FD

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 TBA

The Next WASH VE exam session will be on Sunday, February 23rd, 2020, 10:00 AM, at **WASHFest 2020**, 3735 Buffalo Drive, South Park,

Sorry I haven't been around much, work has been crazy. It's been difficult to come up with a good plan to resume VE testing where we can provide enough notice to users and know that the rules and situation isn't going to change in the next few weeks.

But the ARRL has finally set up a system to do online testing and I just shot off an email and got access to the resources. I'll go through those and will provide a more detailed report of our options at this weeks meeting.

-Grant Olson KC3MLC, WASH VE Liaison

PA 15129. Talk-in on the 146.955 MHz repeater. All examiners are ARRL VEC affiliated.

Tony's Musings



I hope this Newsletter finds everyone in good health!

As I write this Amy and are starting a new chapter in our life, we are looking at a new house in Westmoreland County, in the Latrobe area. I hope everyone has the same sense of hope and excitement for the future. Believe you can and you're halfway there!

Remember Field Day is around the corner!

Most likely the next few meetings will be via Zoom Thanks and everyone STAY SAFE and HEALTHY!!

— 73, Tony Romano KB3BYA

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

Have you noticed?

For all of the "doom and gloom" that some people will have you believe, about Amateur Radio being a dying hobby, the US currently has the highest number of Amateurs licensed in its history (give or take a day).

Of course, sheer numbers don't tell the entire story.

Amateur Radio, as we know it, is changing. Again. As it has in the past. As it will again in the future.

So don't let the numbers fool you... either way. Amateur Radio is not dying. But it is changing.

Embrace the change.

Reminder: The May WASH Meeting will be held online as a Zoom Meeting. If you would like to attend the meeting but did not receiving an invitation, please contact Tony Romano KB3BYA immediately.

If you do not have or cannot install the Zoom app, you can attend by telephone; Tony will get you the phone number.

The light at the end of the tunnel... and it doesn't look like a train coming from the other direction... yet...

Slowly but surely, little by little, the Pandemic related restrictions seem to be falling away. As this goes to press... well, to PDF, at least... vaccines are now available to just about every adult, and will soon be available to those younger. If you haven't already gotten yours, please take a few minutes and get one. We may have to live with COVID, in the future, like we live with the flu... an annual booster shot for the latest variant. A small price to pay to return to some semblance of normalcy.

Just before deadline, we got word that the DX Engineering hamfest for 2021 has been cancelled. But we also got word at the W3WH Freefest that the Skyview Radio Society hamfest is officially ON for 2021. No word (yet) on the fate of any other summer or fall hamfests, like Butler or WACOM amongst others. As the word gets out, we'll squeeze it in here.

On that note, we heard that the **49th Annual Two Rivers ARC Amateur Radio & Computer Show 2021** on April 18th was a big success, and congratulations to the 2RARC. (Sorry Ye Editor couldn't make it, but a family event conflicted... you think I'm passing up a chance to see my grandson play hockey?)

It was good seeing so many club members and club friends at the first (and probably only) **W3WH Freefest**. Most years, someone who was downsizing would take their haul of... rare and unique electronic collectibles to the next hamfest, put them on a table, and put up a sign to say "Free!" So Bill held a one-man hamfest instead. Donations were accepted and will be put to good use at a local food bank. All appeared to have a good time... although a few people may need to be heading to the auto parts store for new shocks or springs!

Our next big club event is going to be **Field Day 2021**, once again in Babcock grove in South Park. Plans are well underway, and as you can see in the upcoming pages, antenna testing has already begun. We REALLY hope to see everyone (or almost everyone) there this year, at some point or another. Meanwhile, if you need more information, or want to lend a hand early on, please contact Glenn KE7FD and let him know.

By the way, if you get on the air today (that is, the UTC date this newsletter is going out) don't be surprised if you hear some "special " calls. Like R2D/2 and C3PO... it is International Star Wars Day, after all, and May the Fourth be with you!

Remember: Articles and Photos needed for future newsletters... unless you'd like to see pictures of Finley!

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

Minutes, April 1st Meeting

Dan Campbell K3CMU, Vice President/Secretary, WASH

Note: Due to the Pandemic Quarantine, this was a Zoom virtual meeting

Call to Order: 19:07. Presiding Officer: Tony Romano (KB3BYA)

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

Roll Call: Members Present: 19

Committee Reports:

Treasurer: Mark Stabryla, (N3RDV): Report read. Motion to accept by Carol (KB3GMN), second by E4ic (K3SGT) and carried unanimously.

Secretary: Dan Campbell (K3CMU): No corrections to the minutes. Motion to accept by Bill (W3WH), second by Harold (K3HCR) and carried unanimously

Repeaters: Frank (N3FB): hard drive failure fixed.

WASHNet: Charles (Chuck) Bihun, III (K3CELA): Great Participation.

Tuesday Night Net: Glen Roberts (KE7FD): Moved to Thursday evenings and retitled "Tech Talk. Tony KB3BYA spoke on DMR,

Contests: Larry (K3VX): State QSO Parties in Georgia, Nebraska, and South Dakota upcoming.

Public Service: (no report)

Newsletter: Ron Notarius (W3WN): Published.

Volunteer Examiners: Grant Olsen (KC3MLC): (no report)

Ways & Means (including Member Contributions): Carol Danko (KB3GMN): (no report).

President's Report - Tony Romano (KB3BYA): (none)

Old Business: 2021 Field Day:

Glen, Bill, Larry, planning a dry run to test a fan dipole, possible inverted Vs. Maybe near Cadman, depends on setting up 40 80 meter antenna, to determine interference, date: a weekday morning in April.

A backup plan is in place to move antenna trailer on Field Day; Dan to request permission for overnight stay.

New Business: WASHfest 2022 planning in place

Good of the Order: (none)

Adjournment: Motion Bill (W3WH); seconded Paul (NØVLR). Carried

Adjourned: 20:15 hours



WASH Spotlight: KC3ELA

His first Spring at his new home in West Mifflin, Chuck KC3ELA is excited to cut his new home's grass for the first time. (Little Does He Know!)

Photo courtesy of and ©Copyright 2021 Charmel Spirk



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

AA3XY	KB3SQZ	N3RDV	WASH FL	WASH TN	Silent Keys	
AE3DL	KC3GMM	N3SBF	KA3UPY/M	K3OL		
K3CMU	KC3MLC	N3ZK	W4ZE	KE3XB		
K3GW	KC3NFV	N7TDX	WASH NE	N3YBP		
K3HCR	KC3NPJ	N8NEU	NØPEU	WASH TX		
K3JDS	KC3OCT	NL7XM	WASH OH	NB3C		
K3SGT	KC3QAH	W3LE	N8DPW	K3LGM		
K3VX	KC3RGV	W3WH	WASH OR	KB3IJX		
K6DWR	KC4WTT	W3WN	KB3NVL	Jane Wagner		
KA3VXM	KE7FD	WA3PYU	KB3NVM	WASH VI		
KB3BYA	NØVLR	WA3VSS	WASH SC	NP2JF		
KB3CMT	N3FB	WB3CAI	N8NEU			
KB3ERQ	N3IDH	WB4GCS				
KB3GMN	N3KFD	Douglas				
KB3GMU	N3RDG	Hayward				
						AB3KA
						N3BED
						K3EED
						K3LIE
						KA3NMG
					KB3ENX	
					KB3FNM	
					KB3FQT	
					KB3JHQ	
					N3BPP	
					N3CZZ	
					N3FZ	
					N3HKQ	
					N3KEH	
					N3OBD	
					N3RNX	
					N3SKR	
					N3SRC	
					N3ZEL	
					N3XFE	
					W3ZLK	
					WA3JPP	

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

Through May 3rd, 2021
List compiled by
Mark Stabryla N3RDV, Vice President/Treasurer

2021 WASH Upcoming Events Calendar

Club Meetings & Other Significant Events — Subject to Change

May 6 th	WASH Meeting	ZOOM MEETING
May 21st - 23rd	Hamvention 2021	CANCELLED
May 29 th - 30 th	CQ WPX Contest CW	https://www.cqwp.com
June 3 rd	WASH Meeting	ZOOM MEETING
June 5th - 6th	Breezeshooter's Hamfest 2021	CANCELLED
June 12 th - 14 th	ARRL June VHF Contest	http://www.arrl.org
June 26 th - 27 th	ARRL Field Day	http://www.arrl.org
July 1 st	WASH Meeting	ZOOM MEETING
July 24 th - 25 th	PVGP Schenley Park	http://www.pvgp.org
August 5 th	WASH Meeting	ZOOM MEETING
August 7 th	Uniontown ARC W3PIE 2021 Gabfest	433 Pittsburgh Road, Uniontown PA 15401
August 7th	DX Engineering Hamfest	CANCELLED
August 29 th	Skyview Radio Society Swap 'n' Shop 2021	2335 Turkey Ridge Road, New Kensington, PA 15068
September 2 nd	WASH Meeting	ZOOM MEETING
October 2 nd - 3 rd	56 th California QSO Party	http://www.cqp.org
October 7 th	WASH Meeting	ZOOM MEETING
October 9 th - 10 th	65 th Pennsylvania QSO Party	https://www.paqso.org
November 4 th	WASH Meeting	ZOOM MEETING
December 2 nd	WASH Meeting	ZOOM MEETING

A Year of Parks On The Air

Curtis Turner KB3CMT

Upper St. Clair, PA, April 20th, 2021 – On a cold and dreary February day back in the year 2020, before humanity really knew the true impacts of covid, I loaded all of the gear I acquired for portable operations into my vehicle to embark on a journey to K-1360, better known locally as Hillman State Park. After a short 45-minute drive through the hills of South Western PA, I arrived at the park and found what more so resembled the frozen tundra than it did a parking lot. The ground was ice-covered. After reviewing the map on my phone, I decided that the lot seemed to have good elevation and I wasn't alone. There were a few other cars in the lot already which made me more comfortable that I wouldn't get stuck or at least would have the potential of getting someone to help me if I did. I parked over to the side away from the other vehicles and setup my Icom 7300 in my back seat then strung my coax out of my passenger window. About 50 feet away I setup a Wolf River Coils SB1000 Take-it-Along with three 33 feet radials laid out on the ground. I set the collar for the mark I had previously made on the coil at home for 40 meters and went back to my car and checked it with the analyzer. After a couple trips back and forth to the antenna for subtle adjustments I felt I had it adjusted close enough for a good slice of bandwidth starting in the lower general license portion of 40 meters. With the antenna adjusted I connected it to my radio and plugged in my laptop to log with N3FJP.

Cuddled up in the back seat of my car staring at my laptop screen I paused for a couple minutes to think about what I was doing and how I would approach this.



You see I had operated VHF and UHF many times portable and also had a fair amount of recent HF experience contesting and such, but this activation stuff was all new. I thought about the parks I had hunted in the previous months and how the activators handled their operations. I decided that I would handle it very similar to the way I operate the PA QSO party by hunting others first. So, with that, I opened the POTA spots page on my phone like I would have with the CWFUN spots page for the QSO Party and looked for stations I could hunt. A few minutes later I had settled on the frequency in use by NA1KW/N1SPX at K-3884, Battle of Rivers Bridge State Historic Site, South Carolina, and when he called CQ again I anxiously keyed up and called "KB3CMT Park to Park". He almost immediately returned my call and, a few seconds later, my first and second contacts as an activator were under my belt. Unfortunately, I did not have as much luck with hunting other activators so I eventually found a clear frequency and started calling CQ myself. Initially I had no one coming back to me so I went ahead and spotted myself on the spots page. Over the course of the next hour, I racked up 38 more contacts with my last 2 contacts of the session being KB3WAV and KC3RW, Kerri and Ray Wright of MD activating K-5485, Harbison State Forest, South Carolina. All in all, I closed out the activation with 40 contacts all on 40 meters with 5 park to park contacts.



I learned a lot during that first activation. I learned that using a hand mic was difficult for me with trying to log live on my pc, that cars new and old but especially diesels create a lot of hash when running nearby, that operating portable is a lot easier than I envisioned, and that people are inquisitive and even though you may think it is obvious you are a HAM they may think you are tracking the bears.

To be honest, this story is as much of a warning as it is a synopsis of my first activation. You see, like a graphic scene from those old documentaries of drug addicts they showed us in high school becoming hooked on their first use, this is the day I became addicted to POTA. In the year since, I have completed over 100 activations in 12 states. I have spent a good bit of my free time researching and experimenting with antenna setups, batteries, and other ways to become more efficient with portable operations. I will admit that some of this activity was spurred on due to my home antenna woes as there were days I would have rather not traveled as far as I did to play on the radio, but I also would not have gotten the opportunity to visit some of the parks I have visited in the last year had I not become an avid activator.

Over the course of the year activating, I have changed many of my operating procedures and tactics for making sure I have a successful activation. Aside from antennas two of the biggest things that I have changed is to use a headset with attached microphone and a foot switch for hands free operation. I have also learned to use my environment to my advantage.

The headset with microphone and foot switch is probably an obvious choice but I should have considered it earlier. For my field headset I used a pair of Koss SB-45s with a connector I assembled for the Icom 7300 that allows me to plug the mic, as well as my foot switch, in. For my foot switch I use an inexpensive plastic sewing machine style pedal that I found on amazon and wired it to a 1/8" male connector. I find I can use the footswitch in either my car or at a park bench easily but I always carry a handheld button as a backup.

As for using my environment to my advantage, one example would be that I started using things like dumpsters, guard rails, and other metal objects as radials. I also started looking at the topology ahead of time so I could activate from the highest altitude, near a large body of water or even from the edge of a ravine because I found I worked more distant stations from these scenarios and my assumption is that it is because the takeoff angle in these locations is lower and there are generally less obstructions.

There are many other things I have figured out over my first year of activating. Many may be obvious, but some less so. The most obvious is that almost every park has a lower noise level than at home and, as such, QRP operation seems to be much easier.

Another lesson learned is that any antenna is better than no antenna and almost any antenna will net you the contacts needed for a successful activation if you spot yourself. In addition, activating and working pile ups while listening for QRP and weak stations hones your skills and makes you a better operator. The entire experience is different and gives you a sense of exploration and adventure, and, in my opinion, is good for the hobby. Being able to be seen operating in public also makes people wonder and many will stop to ask questions.

Of course, activating isn't for everyone. It takes time and planning, but activators always need operators to work which is the easiest way to get involved in POTA. You can do so by going to <http://parksontheair.com> and signing up for an account so that you can track your hunter stats and get the free awards. Hunters are not required to log anything aside from how they normally would for their own personal logging records. All the awards and logs for the parks worked are submitted by the activators, so as a hunter all you have to do is hunt. In fact, you may find after you create your account that you already have contacts in the system from operators that you have worked since 2016 and if you happened to operate during the ARRL NPOTA events in 2016 those logs are eligible to be submitted for the program.

I will go ahead and close it out here with an offer to answer any questions or to assist anyone that maybe interested in Parks on the Air; KB3CMT@gmail.com. *Photos courtesy of and © Copyright 2021 Curtis Turner KB3CMT*



Pa QSO 2021: Team N3ZK Planning Session

Photos courtesy of and © Copyright 2021 Jim Sanford WB4GCS

On April 17th, Team N3ZK met together for a pizza and planning session... the order of priority is not a coincidence.

Pictured in the "official team photo" in the lower left are (Left to Right) Frank N3FB, Paul NØVLR, Kevin N3DFK, Randy N3ZK, Eddie KC3QAH, and Jim WB4GCS. Adult Supervision was provided by K9ABI (left).



Field Day 2021: April 13th Antenna Tests at Babcock Grove

Photos courtesy of and © Copyright 2021 Harold Rosenberger K3HCR

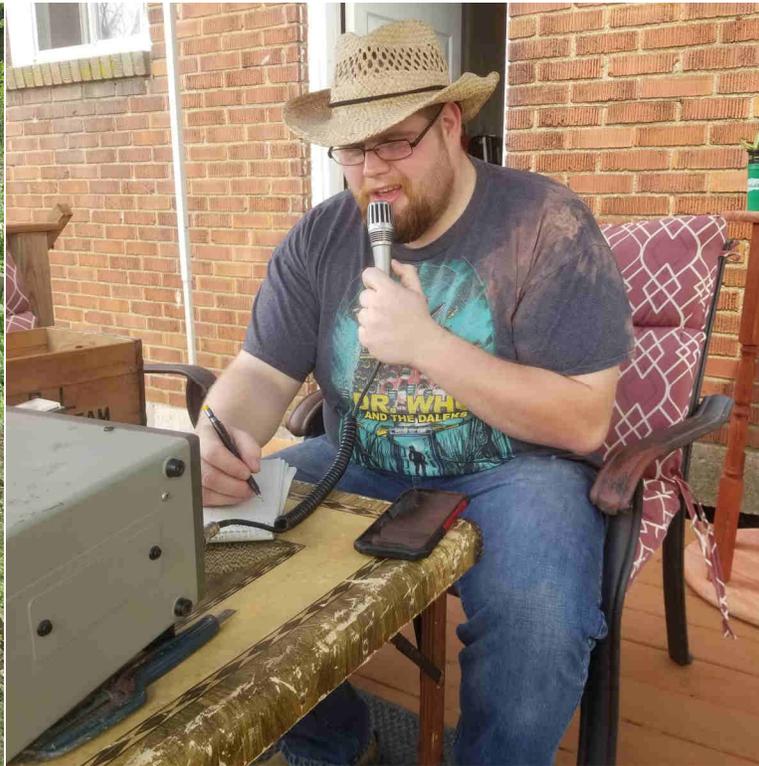


Field Day 2021: April 27th Vertical Antenna Tests at Babcock Grove

Photos courtesy of and © Copyright 2021 Glen Roberts KE7FD



Left: "Bob's LOG Periodic"
Right: "It's pointed towards Italy"



KC3ELA New Antenna

West Mifflin, PA, April 28th, 2021

Chuck KC3ELA setting up and then operating with a new (to him) antenna given to him by Bill W3WH during the W3WH Freefest.

Photos Courtesy of and © Copyright 2021 Charmel Spirk

LMS Special Event - March 2021

STAGE	<input type="checkbox"/>	K6L	<input type="checkbox"/>
KA6LMS/0	<input type="checkbox"/>	K6M	<input type="checkbox"/>
KA6LMS/1	<input type="checkbox"/>	K6S	<input checked="" type="checkbox"/>
KA6LMS/2	<input checked="" type="checkbox"/>	W6L	<input type="checkbox"/>
KA6LMS/3	<input type="checkbox"/>	W6M	<input type="checkbox"/>
KA6LMS/4	<input checked="" type="checkbox"/>	W6S	<input type="checkbox"/>
KA6LMS/5	<input type="checkbox"/>	DSTAR	<input type="checkbox"/>
KA6LMS/6	<input type="checkbox"/>	DMR	<input type="checkbox"/>
KA6LMS/7	<input type="checkbox"/>	FUSION	<input type="checkbox"/>
KA6LMS/8	<input type="checkbox"/>	MOON	<input type="checkbox"/>
KA6LMS/9	<input checked="" type="checkbox"/>	BOUNCE	<input type="checkbox"/>
KA6LMS/VE3	<input type="checkbox"/>	CONFIRMING QSO WITH	
KA6LMS/VE7	<input type="checkbox"/>	NOVLR <input type="checkbox"/>	
		SATELLITE	MULTI MODE
		<input type="checkbox"/>	<input type="checkbox"/>

"Last Man Standing" Special Event

88,000 stations participated in last March's "Last Man Standing" Special Event, which celebrated the filming of the final episodes of the long-running TV show (which occasionally featured Amateur Radio, from a working station on the set.)

Certificates are now available to anyone who made 1 or more contacts with any of the KA6LMS/# and 1x1 stations that were operating. You do not need to submit your logs.

To download your certificate, please go to:

https://www.elemcoshopfloor.com/gsbarc_cert/event/

The Certificates do not expire and will be available on the website at anytime.

Only stations that made a successful stage contact may request a paper QSL Card. Please do not send a QSL Card request unless you made a Stage Contact. HF STAGE Contacts were on Saturday, 3/27/21 & Sunday 3/28/21. D-STAR, DMR and YSF contacts during the event week are considered Stage contacts.

(Thanks to Paul Lusardi NØVLR for the image of his KA6LMS certificate)

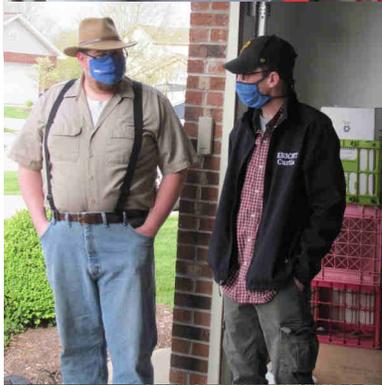
W3WH Freefest: Before

Photos courtesy of and © Copyright 2021 Bill Hill W3WH



"Seen" at the W3WH FreeFest

Pictures courtesy of and © Copyright 2021 Ron Notarius W3WN



Continued on Page 11



Yes, some of the attendees were real turkeys...



Traditional Amateur Radio Contesting Faces a Demographic Cliff

Frank Howell K4FMH & the ARRL Contest Update, courtesy of the American Radio Relay League

Newington, CT, April 8th, 2021 – Frank Howell K4FMH, followed up his two-part *National Contest Journal (NCJ)* series, “The Demographics of Contesting,” with a post to his Social Circuits blog, called “Lemmings over a Demographic Cliff?” (His original articles appeared in the July/August and September/October 2020 issues of *NCJ*.) Howell points to data showing that radio contesters are older than the average ARRL member. Taking into account [information](#) from the Bureau of Labor and Statistics on Leisure Time Use, Howell opines that this should be expected.

“Leisure pursuits are highest during youth and young adulthood but dramatically taper off about ages 25 – 34 until age 55 and over,” Howell said. “This hollowing out of leisure and sport time is a predictable outcome of competing and more important activities.” According to Howell, the main competitor to radio amateurs engaging in on-the-air or workshop activities is television (now more broadly referred to as “screen time”). No surprise there.

A [Brookings Institution](#) study on the topic using the 2005 – 2015 Time Use Survey documents how “free time became screen time.” About 2007, screen time (not just TV) surpassed other active leisure activities in average time spent. By 2015, the gap favoring screen time was more than 1 hour, reflecting an average of some 11 hours per week of activity. Howell argues that formats of major radio contests may serve the leisure interests of established contesters — those on the far end of the demographic spectrum — but may not offer the best experience for contesting newcomers.

“Traditional radiosport is facing a demographic cliff of aging ham contesters,” Howell asserts. “Those highly invested in the status quo won’t be around to experience the diminishing [number of] participants, [but] they now have the political clout to direct strategic actions.”

The ability for single operators to compete at a high level in a major contest requires time, equipment, and skill that are probably beyond many in the “caterpillar” stage, [ARRL Contest Update](#) Editor Brian Moran N9ADG, recently [observed](#). He suggests that most school-aged operators don’t have the time to stay in the chair all weekend.

“Those fortunate to be able to join seasoned teams of multioperators at well-equipped stations have a different contesting experience than those plugging away solo,” Moran said. “With the opportunity for mentorship, camaraderie of a group effort, and a chance to be part of something bigger, they’ll be more likely to emerge from their expected dormancy period as a contest butterfly.”

Howell argues that demography does not have to be destiny. “It does require taking the blinders off tradition and evaluating it for what it is today and what it means for the future,” he concluded.



Seen” at the W3WH FreeFest

Continued from Page 10

Pictures courtesy of and © Copyright 2021 Ron Notarius W3WN



Chartiers Township, PA, April 24th, 2021 – Thank you so much to everybody who came this morning and help me clear out my excess stuff. Even greater thanks to everybody who contributed a total of \$310 to help feed the hungry. I can’t tell you how much I appreciate that.

It was great to see everybody and have an eyeball QSO or two and Special thanks to Rich for Danko Harold Rosenberger and Paul Lusardi who dug out my pipe in the backyard that for years and supported my vertical antennas. Thank you all so much.

I hope to see you all at the meeting in June to be held at Babcock shelter in South Park and of course at field day.

73, Bill W3WH





WPA Section News

Joe Shupienis W3BC, ARRL Western Pennsylvania Section Manager

Falls Creek, PA, April 25th, 2021— Ellwood “Woody” Brem, K3YV, of Spring Mills, Pennsylvania, is the winner of the 2020 Bill Orr, W6SAI, Technical Writing Award for his article, “Leaky’ Antenna Switches,” which appeared in the March 2020 issue of QST. The Foundation Board acted on a recommendation from the QST editorial staff in selecting the recipient at its January 27th annual meeting.

Woody is a very active amateur, and a long-serving officer of the Nittany Amateur Radio Club in State College.

Bob Ketzell KB3IN Appointed WPA Section Traffic Manager

We are pleased to announce that Bob Ketzell KB3IN is our new WPA Section Traffic Manager, following the retirement of Herb Gililland W3YNX. Bob served for many years as Washington County ARES Emergency Coordinator, and resides in Washington, PA. Bob has traveled far and wide to conduct training seminars on basic and advanced traffic handling, and is very active on the air. Welcome, Bob!

ARRL Pennsylvania State Convention at Harrisburg Firecracker Hamfest

- The Eastern and Western Pennsylvania Sections are joining forces to present the 2021 ARRL Pennsylvania State Convention at the Harrisburg Firecracker Hamfest, held on July 3rd at the Harrisburg Postal Picnic Grounds, 1500 Roberts Valley Road, Harrisburg, PA.

WPA Hamfest Schedule

- July 31st - Cumberland Valley ARC Hamfest, CV Antique Engine grounds, 1501 Criders Church Rd, St Thomas, PA
- August 14th - W3PIE 72nd Gabfest at the Uniontown ARC Clubhouse, 433 Old Pittsburgh Rd, Uniontown, PA

WPA Nets

- First we have the WPA Health & Wellness Net every weekday morning at 9:00 am on 3983 kHz.
- Currently at 6:00 pm every evening, check in to the Western Pennsylvania Phone Traffic Net on 3983 kHz every day.
- Our WPA Digital Voice Net takes place every Wednesday evening at 7:30 pm on DMR talkgroup 31422.
- The Western Pennsylvania ARES Voice Net meets every Saturday morning on 3983 kHz at 9:00 am. Everyone is welcome.
- The PA HF NBEMS Net meets Sundays at 0730 for Early, Out-of-State Check-ins, and then starts at 0800 for Pennsylvania Check-ins. Frequency is 3583.0 kHz USB / 1500 Hz Waterfall, the mode for initial call-up and check in is THOR 22 for check-ins and then using MFSK32 or THOR 50x1 for traffic.

PEMA ACS/RACES Nets

- On Sunday mornings, the PEMA ACS Central Area Net takes place at 8:30 am on 3993.5 kHz for stations in Bedford, Blair, Centre, Clinton, Franklin, Fulton, Huntingdon, Mifflin and Potter counties. Everyone is welcome.
- Every Sunday morning at 9:00 am, the PEMA ACS Western Area Net meets on 3990.5 kHz for stations in the westernmost 24 counties of our WPA section. Everyone is welcome.

73 And Press On!



2021 Two Rivers ARC Hamfest

Photos courtesy of and © Copyright 2021 Gary Robbins KB3YCX



March 2021 Volunteer Monitor Program Reports

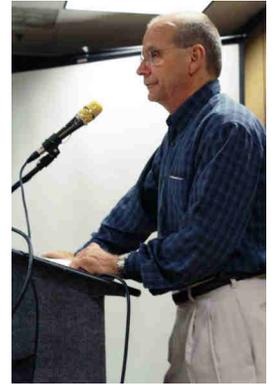
Riley Hollingsworth K4ZDH, VM Program Administrator

Gettysburg, PA, April 8th, 2021 – The **Volunteer Monitor (VM) Program** is a joint initiative between ARRL and the FCC to enhance compliance in the Amateur Radio Service. This is the March 2021 Volunteer Monitor Program Report

The FCC delayed action on the renewal application of a General Class licensee in Quakertown, Pennsylvania, in order to review allegations of repeated transmission of obscenities and failure to properly identify.

The Volunteer Monitor Coordinator issued 14 *Advisory Notices*. An *Advisory Notice* is an attempt to resolve rule violation issues informally before FCC intervention:

- + An *Advisory Notice* was sent to the owner of a remote amateur station in California, advising him that he is responsible for deliberate interference transmitted by any station over his remote facility.
- + An *Advisory Notice* was sent to a radio amateur in Ripley, Tennessee, regarding deliberate interference and failure to properly identify on 75 meters.
- + An *Advisory Notice* was sent to a radio amateur in Jefferson, Georgia, concerning failure to properly identify on 40 meters.
- + *Advisory Notices* were sent to radio amateurs in Tiburon, Petaluma, and Manteca, California, and Grants Pass, Oregon, concerning interference on 75 meters.
 - + General Advisories were sent to operators in West Virginia, Michigan, Iowa, North Carolina, Pennsylvania, Texas, and Wisconsin concerning operation on 7.200, 3.927, and 3.860 MHz.
 - + A *Good Operator Commendation* was sent to a husband-wife team in Perryopolis, Pennsylvania, recognizing excellent net and 2-meter operations.
 - + VM representatives had two meetings with FCC officials



RFI, the FCC, ARRL and "You Can't make This Stuff Up!"

Robert W. Patton Jr. MD JD W4PG, Forum Volunteer Moderator, QRZ.COM

Clearwater, FL, April 13th, 2021 – I have been having an RFI problem to my ham radio since July/August (2020) or so, and have found what I think is the source, but it's a bit complicated. I thought folks would get a kick out of my letter to the ARRL, which has an agreement with the FCC to initiate investigations of RFI to ham radio operators.

It remains to be seen how this is going to work itself out. I'm being patient... LOL!

Dear < name redacted >,

I am contacting you regarding an on-going source of RFI that we have previously spoken about. The interference began around July/August of last year and is present every 15 kHz from approximately 10 MHz through 52 MHz. The RFI occupies about 5 kHz and is roughly S8 signal strength. The RFI is present 24/7 but there have been at least 3 instances where the RFI disappeared for several days, only to return. I suspect some type of switching power supply.

Using my 4 element SteppIR beam and a 6 meter handy talkie, I have located the source of the RFI to either within or immediately adjacent to a neighbor's home. I have additionally had the local power company investigate, who found several sources of line noise and replaced a utility pole that had several defective insulators. Two of the local cable TV companies also investigated but determined the RFI was not caused by any cable leaks.

I first contacted the home owner on August 14th, 2020 requesting he call me so we could amicably resolve the issue. I subsequently spoke with him outside his home when I was investigating the noise and he happened to arrive home from work. I explained the situation and he indicated he would call me the next day. I have again contacted him via USPS mail on March 6th of this year and again via certified return receipt mail delivered on April 5th. I have received no response to any of my requests.

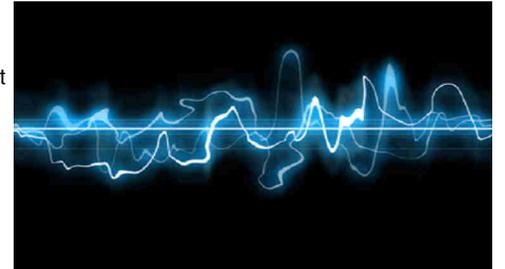
Complicating this is the fact that upon erecting my ham radio tower in 2009, the wife of the neighbor complained to the city and attempted to start a petition to have my tower removed. She was told by the city that I had obtained all required permits and the tower was installed by code and was perfectly legal. Upon finally talking with her, she accused me of working for the CIA and listening in on her phone conversations.

Research she did on the internet led her to conclude the tower was a source of cancer and she refused to allow her young children to play outside. I provided her with ample sources of information from both the FCC and ARRL explaining there was no danger from the tower but she would not believe any of the sources. At one point she insisted we perform a "test" with a meter from Radio Shack she said a friend had to "prove" the antenna was not causing danger. I had recently installed privacy curtains around our back-yard pool and she claimed the curtains were actually an RF shield I had installed to protect myself from the antenna. I did not go through with any "test" and that was the last contact with them over a decade ago.

I am speculating, but I suspect my tower was a source of great concern to the husband due to the paranoid delusions of his wife and he now blames me for that. He is a criminal defense attorney and realizes he has no duty to respond to me and can ignore me forever. I am also an attorney and used to be a volunteer counsel for the ARRL but I do not practice law anymore. I did speak with a local volunteer counsel who suggested I contact the FCC as he didn't think there was any rational way of reasoning with these people. In short, this man is not going to respond until the legal consequences of his refusal become significant enough that his failure to respond may lead to fines or legal action against him. I did file a complaint with the FCC but was informed that the ARRL has an agreement with the FCC to take the initial lead on these issues.

I am a life-member of the ARRL and was previously a volunteer counsel for several years. I have been a licensed ham radio operator for 52 years. My concern is I have been attempting to resolve this issue for several months with no success. While I appreciate any and all help from the ARRL, I am not aware that the ARRL has any legal authority to require cooperation from this individual. My understanding is that has to come from the FCC. On the ARRL website there is a copy of an FCC order providing for fines up to \$16,000 dollars per day for each day that the operator of a device interfering with a license amateur radio operator refused to cooperate. Short of something like that, I anticipate no response from this individual.

Therefore I respectfully request that the ARRL begin their investigation into this matter in order to "get the ball rolling." I am obviously available to assist in any way I can. Thank you for your cooperation.



3YØJ Bouvet 2021

Rebel DX Group

Merrick, NY, April 5th, 2021 – First of all, we would like to wish the recently announced 3YØJ Bouvet DXpedition all the best for a successful activity at the start of 2023. There is enough space for even 3 more activities from 3YØ land. We know how much detailed planning goes into a project like this and cross fingers for them.

From a Rebel perspective, the 3YØJ announcement does not change our plans. December 15th, 2021 is when we plan to leave Cape Town and again head south into the Roaring Forties and Furious Fifties before attempting a Bouvet landing. We absolutely know from experience how volatile the seas around this most remote island are.

Our team of 8 operators aim to spend up to 30 days on Bouvet as 3YØJ. Depending on weather, we will likely spend 7-10 days each way on the high seas getting there and returning.

Once on the island and our camp is set up, we will run 8 stations covering 160-6m. Modes include CW, SSB, FT4/FT8, RTTY and OQ100.

The total budget for our Bouvet DXpedition is considerably less than that of 3YØJ. We also have had no backing from any of the DX foundations.

Nonetheless, we are now missing only \$32,000 from our final cost of \$267,000. We absolutely hope between now and December we can accrue this missing amount, and appeal to all generous donors to help us with our final push to meet target.

More info will be available soon.

3YØJ Bouvet 2023

Paul Ewing N6PSE and Kenneth Opskar LA7GIA

Intrepid DX Group

San Jose, CA, April 29th, 2021 – Bouvet is like the Mount Everest of DXCC entities. It is among the most challenging entities to activate due to significant transportation costs and personal sacrifices required by the team to make the 42 day round trip. Fortunately, Bouvet is not our first mountain. We are well prepared for this challenge.

All plans are going well. We are researching polar quality tents and equipment. We are discussing antenna specifications with various manufacturers. We will make careful choices to help us meet the demand for Bouvet contacts.

We are delighted to add a second Physician to our team. Dr. Mike Crowover AB5EB and Dr. Bill Straw KO7SS are both seasoned Emergency Physicians and will help the team immensely with their expertise.

Our fundraising is going very well. We have received a significant donation from our longtime friend Y. Zorro Miyazawa JH1AJT. Zorro has always been an enthusiastic supporter of our missions and his generosity is greatly appreciated.

We are pleased to announce that we will receive the ARRL's Colvin Grant, as well as large donations from the Far East DX-ploiters Foundation, the German DX Foundation and the Twin Cities DX Association. We would love to add your Club or your Call to our sponsors pages.

This will be an arduous and expensive mission. Our budget is \$764,000 USD and the 3YØJ team will fund much of this mission. We desperately need the global DX Community to support our mission and help us make this important activation of the #2 most wanted DXCC entity. It is only through this kind of support that we can achieve our mission of making 100,000 contacts or more from Bouvet.

In closing, we especially wish to thank our many Foundation, Club and Individual donors. Without this kind of support, operations to the world's rarest entities would not be possible. Please include your call sign, mailing address and email address with your PayPal submissions. We would not want to miss QSLing with you!

You can follow our plans from our website and the 3YØJ Facebook:

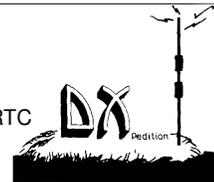
<http://www.3y0j.com>

<https://www.facebook.com/groups/3y0jbouvet2023>

2001 Photo of Bouvet Island from space courtesy of NASA



DX News Briefs



On 24 April, the WRTC 2022 Organizing Committee announced that "having previously consulted the WRTC Sanctioning Committee", they have decided "to postpone WRTC 2022 one year to 2023". There have been no changes in the qualification process or to the overall structure of the event and its sponsoring committee. A detailed report on the qualification standings will be prepared and released at a later date.

In consideration of the worldwide public health challenges from the Covid-19 pandemic, we believe our decision is reasonable. We have received many communications from competitors and friends of WRTC and have taken them very seriously. There will be further announcements regarding WRTC as soon as new arrangements have been made".

The World Radiosport Team Championship was due to be held in Bologna, Italy on 6-11 July 2022. More information at <https://www.wrtc2022.it/>

F5TRO and F5BSB will be new arrivals and permanent residents to Reunion Island in May. Their call signs will be **FR8UA** and **FR8TZ**, respectively. Phil states he will be active on 80-2 meters (and 70cm) at first, using CW, SSB and some Digital modes. QSL direct or via LoTW.

VK6SJ is scheduled to be QRV as **VK9XX** from Christmas Island 7 – 28 May, COVID travel restrictions notwithstanding. He will be QRV "mostly outside working hours" focusing on the "night time bands" and FT8. QSL via EB7DX

5UA1HM will be QRV from 10 May through 15 June, CW, 40 and 20 meters. QSL via F4IHM

A35JF will be QRV from late May through October from OC-049 Tongatapu Island, CW SSB & FT8, 80 -6 meters. QSL via JAØRQV

HP2ØØI will be QRV from 1 June through 30 November, 80 – 10 Meters, SSB & Digital, to commemorate the bicentennial of the independence of Panama from Spain. QSL via HP1DAV

Due to COVID related travel restrictions, OH6VDA/LA6VDA has rescheduled his operation as **JW6VDA** to 18 October – 3 November. More information at <http://jw5e.com> QSL via LA6VDA

F5RAV, F5NVF and MØNPT are hoping to be active as **C5C** from The Gambia sometime in October/November depending on Covid-19 travel restrictions. Activity will be on various HF bands using CW, SSB, Digital and the Satellites. QSL via F5RAV.

The following link will take you to a video presentation (about 1:25 long) by K9CT, on the 2019 **VP6R** Pitcairn Island DXpedition at a Mahoning Valley Amateur Radio Association (MVARA) meeting: <https://www.youtube.com/watch?v=U0RcB2x2qJ8>

QSL Routes

4M1K via OHØXX	EX2V via RW6HS	OS7XT via ON7XT
5B4AMM via UT5UDX	EX8NR via RW6HS	PJ4KY via MØURX
7S6ØBQ via SM7BHM	FK8CE via N4GNR	PZ5ØX via OHØXX
7X2RF via 7X2ARA	HB4ØPOLICE via	PZ5JR via OHØXX
7X2TT via EA5GL	HB9GSO	RD6ØYG via RQ7L
7X3WPL via 7X3DL	HC3RJ via EA5GL	S79KW via N4GNR
7X5QB via EA5ZD	HG83BTND via HA5GY	SB7S via SM7PXS
7Z1OO via EC6DX	HP1WW via OHØXX	SO6X via SP6IXF
8R1K via OHØXX	HZ1TT via IZ8CLM	SQØMORSE via SP1EG
9G5FI via DL1RTL	IQ8BV via IK8YFU	SVØXAF via HB9EBC
9J2MM via N4GNR	KHØW via KCØW	TG9ADM via EA5GL
CO6XE via EA7FTR	KP2AD via OK1TN	TM2CR via F6FMT
CO7OJ via IK2DUW	MØRSE via G3SWH	TM5OIS via F5KRH
CO8LY via EA7ADH	NL7S via N4GNR	V85A via EB7DX
CQ75ØRSI via CT7AQD	OA4DTU via EA5GL	VE2CSI via MØURX
CX6DZ via EA5GL	OE21M via OE1WHC	VP2EE via VE2AED
DC22ØGERKE via DJ6SI	OE5TXF via G3TXF	VP2ETE via W3HNK
DU1IST via JA1HGY	OC4WW via OHØXX	VP9KK via K1EFI
EA9LZ via OHØXX	OH8X via OHØXX	VP9NJ via K1EFI
EG2SPA via EA2RCF	OL7ØDG via OK1DG	YN2BQ via OHØXX
EK1915GM via EK3GM	OS21WARD via ON4NOK	YV1KK via OHØXX
EOØUD via UR7UT	OS40SA via ON6EF	YV1YL via OHØXX
EV76F via EW3W	OS6KZ via ON6KZ	ZT1T via ZS1AFS

Thanks to the NJDXA DX News Reflector, the DX-QSL Reflector, 425 DX News, OPDX 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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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



US Amateurs by Class as of May 1 st , 2021:		
	Novice	8,103
	Technician	427,157
	General	192,842
	Advanced	38,740
	Extra	157,968
	Club	12,554
	Total	837,344
All-Time High	04/27/2021	837,683
Last 90 Days:	New Amateurs	11,913
	Callsign Changes	3,532
	Class Changes	4,782
	No Longer Licensed	6,912
	All Updates (*)	38,996

(*) Includes renewals, address changes, etc.
Information gathered from FCC Daily Updates, courtesy of Hamdata.com

Latest Region 3 Sequential Calls Issued as of May 1 st , 2021:		
Group A	AC3HN	
Group B	KF3EU	
Group C	(none available / all issued)	
Group D	KC3SAE	

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

Courtesy of the American Radio Relay League

Newington, CT, April 20th, 2021 -- On April 20th, the FCC's Enforcement Bureau issued a new **Enforcement Advisory**, repeating the admonishments contained in a **January Advisory** that no licensee or user of the Amateur or Personal Radio Services may use any radio equipment in connection with unlawful activities of any nature.

The Commission specifically cautioned that individuals found to have used radios in connection with any illegal activity are "subject to severe penalties, including significant fines, seizure of the offending equipment, and in some cases, criminal prosecution."

In addition, licensees should be aware that illegal operation in any service or band, including completely outside the amateur allocations, could potentially disqualify a person from holding any FCC license in any service, not just the Amateur Service.

Any amateur observing a suspicious infraction that might be of illegal or criminal nature should report it to their local law enforcement office or the FBI.

Auto-registration in the FCC Commission Registration System (CORES) amateur radio exam candidates using a Social Security number will be discontinued on May 20th, 2021. Applicants must use an FCC Registration Number (FRN) for all license transactions with the FCC. Examinees must **register in CORES** and receive an FRN *before* exam day. Starting on May 20th, electronic batch filed applications that do not include a candidate's FRN will be rejected. The Social Security/Licensee ID Field will be disabled.

An **instructional video** provides step-by-step instructions on how to establish a CORES account, which is necessary for licensees to make administrative updates and download electronic license authorizations.

- After June 29th, all filers **must provide an email address** on all applications. When an email is provided, applicants will receive an official electronic copy of their licenses once granted (allow incoming email from authorizations@fcc.gov).
- If no email is provided when filing on or after June 29th, applications will be rejected. ARRL VEC suggests that those without access to email to use the email address of a family member or friend.

Licensees need to log in to the Universal Licensing System (ULS) to **download their authorizations**. The FCC no longer issues paper copies.

ARRISS USA Gets IRS 501(c)(3) Recognition



Newington, CT, April 8th, 2021 – ARISS-USA, a Maryland nonprofit corporation, has earned recognition from the US Internal Revenue Service (IRS) as a Section 501(c)(3) charitable, scientific, and educational organization. ARISS-USA is the US segment of the Amateur Radio on the International Space Station (ARRISS) international working group. With this IRS determination, donations to ARISS-USA become tax-deductible in the US, retroactive to May 21st, 2020. This status allows the organization to solicit donations and grants.

ARRISS-USA says it will continue to promote student involvement with the astronauts on the ISS via amateur radio. Working with educational organizations, ARISS provides opportunities to inspire, engage, and educate our next generation of space explorers through STEAM (science, technology, engineering, arts, and math) activities and content.

"The educational scope and reach of what ARISS accomplishes has grown significantly since our beginnings in 1996," said ARISS-USA Executive Director Frank Bauer. "We are actively working to extend student reach even further. This, through the pursuit of potential student opportunities on human spaceflight missions beyond low-Earth orbit, is part of our Amateur Radio Exploration (AREx) Program. First AREx destination: the moon!"

ARRISS-USA continues to collaborate with ARISS International and US sponsors, partners, and interest groups. ARISS' sponsors are NASA Space Communication and Navigation (SCaN) and the ISS National Lab. **Donations** to ARISS-USA are tax deductible to the extent allowed by law.

— Courtesy of the American Radio Relay League



WASHfest 2022

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

Sunday, February 27th, 2022
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 — You've Got to Play to WIN!

First Prize: To Be Announced

Second Prize: To Be Announced

Third Prize: To Be Announced

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:

Carol Danko KB3GMN at (412) 884-1466 n3sbf@comcast.net
E-mail us directly at washarc@yahoo.com Check out our website too! www.n3sh.org

Please Note: Early Table Reservations must be paid in full on or before January 31st, 2022.

Reservations received after February 1st, 2022 must include payment in full.

Reserve now... we have sold out in advance eleven 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:
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c/o CAROL DANKO KB3GMN
4246 Seton Drive
Pittsburgh, PA 15227-1244

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



WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

Membership Application, New or Renewal



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

(check quarter _____) →
(check one)

1st Qtr Jan-Mar **2nd Qtr** Apr-Jun **3rd Qtr** Jul-Sept **4th Qtr** Oct-Dec

- (F1) Full Membership: \$20.00 \$15.00 \$10.00 \$5.00
- (F2) Full Membership < 18 or > 65 yrs of age: \$10.00 \$7.50 \$5.00 \$2.50
- (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

ARRL Member? Yes No Family ARRL Member? Yes No

Date: _____

[If you have an Email address, you Will be added to both lists UNLESS you choose to Opt-Out]

Amount Enclosed: \$ _____

Signature: _____

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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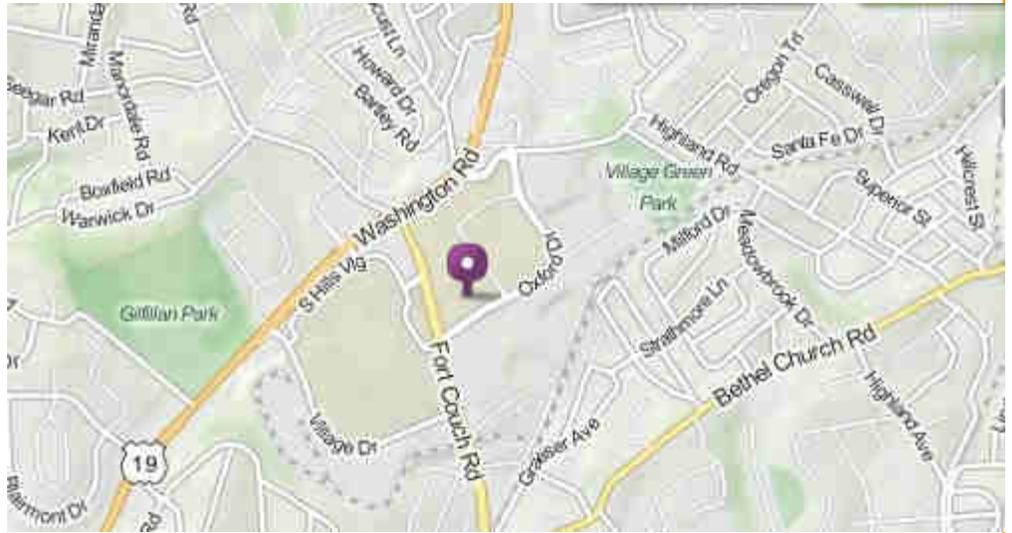
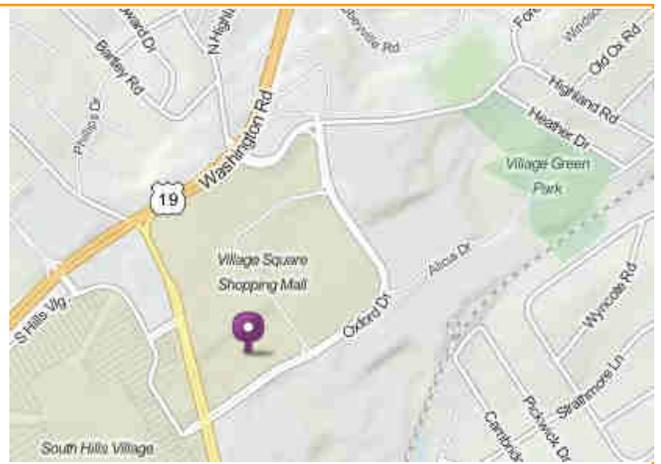
2021 WASH Meeting Location (*)

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

(*) whenever we can meet in person again, that is



The WASHRag

Wireless Association of South Hills, Inc.
Ron Notarius W3WN, Editor
3395 Rosewood Drive
Castle Shannon, PA 15234-2546



N3SH / WA3SH
NP2SH/B
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