



# WASHRAG

TM



VOLUME 19 ISSUE 06  
JUNE 2017

Wireless Association of South Hills



[www.n3sh.org](http://www.n3sh.org) [www.washarc.org](http://www.washarc.org)





# WASHRAG™



VOLUME 19 ISSUE 06

JUNE 2017

## Next Monthly Meeting: Thursday, June 1<sup>st</sup>, 2017

The next meeting of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** will be on **Thursday, June 1<sup>st</sup> 2017**, in the Conference Room at the **St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park, by South Hills Village & Village Square** (map on the back page). The room is available at 6:30 PM. The meeting will be starting at 7:00 PM.

Topics will include the upcoming Breezeshooter's Hamfest, Field Day 2017, a recap of the 2017 Xenia Hamvention, and more. See you there!

Cover Photos: Montage includes an aerial view of Hamvention 2017, and other pictures taken during the event.

Aerial photo courtesy of & © Copyright 2017 The Dayton Daily News

Other photos courtesy of & © Copyright 2017 Ron Notarius W3WN

## WASH 2017 OFFICERS

### EXECUTIVE COMMITTEE:

President	Glen Roberts KE7FD
VP / Secretary	Harold Rosenberger K3HCR
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	Ron Notarius W3WN
Webmaster	Sean Sleeman N3NWR
Asst. Webmaster	Ben Williams KB3ERQ
Quartermaster	Harold Rosenberger K3HCR
WASH FM Net Manager	Chuck Bihun KC3ELA
WASHFest 2018 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	Jim Sanford WB4GCS
Field Day 2017 Coordinators	Rick Bell KB3IAC
	Bill Hill W3WH

### 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 23<sup>rd</sup>, 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 July 20<sup>th</sup>

The Next WASH VE exam sessions will be **Thursday**, July 20<sup>th</sup>, 2017, 7:00 PM, at the **WPXI Community Room**, 4145 Evergreen Road, Pittsburgh, PA 15214. Talk-in on the 146.955 MHz and 443.650 MHz repeaters. All examiners are ARRL VEC affiliated.

#### Pre-registration is not required. Walk-ins welcome!

But if you plan on attending the test session, please contact VE Team Liason Ron Notarius W3WN:

Telephone (412) 572-6723 or E-Mail: [w3wn@n3sh dot org](mailto:w3wn@n3sh.dot.org)

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 or Cash in the amount of \$15.00 (payable to: ARRL VEC)

Future test dates: October 19<sup>th</sup>, 2017

### Glen's Musings



Here we are again, another June and another Field Day is just around the corner.

**WASH** looks forward to exciting moments, contacts, and food!

Readers or the **WASHRag**, whether members of the club or not, are invited to join us at South Park!

— 73, Glen Roberts KE7FD  
President, Wireless Association of South Hills, Inc.  
N3SH / WA3SH / NP2SH/b

The North Hills ARC has reluctantly announced that their 2017 Hamfest has been cancelled. The venue used the last few years was not available in 2017, and they were not able to secure a new venue in sufficient time to warrant putting on the event this year. Hopefully, the NHARC Hamfest will be able to return in 2018

Saturday, May 27<sup>th</sup> was the start of the Memorial Day weekend for some, smack in the middle of it for others. And then there were the intrepid members of **the WASH Breakfast Gang**, gathering again at **Suzie B's**, 950 South Central Avenue (Route 910 at the intersection of Route 519 at US 19) in Canonsburg. This month, those venturing out included N3FB, KB3GMU, N3DFK, W3WH, WB4GCS, KB3DCO back in town, K3HCR and W3WN. Topics of the morning ran the gamut from the Hamvention post-mortem, winning a door prize, Xenia treasures brought home (somehow "Xenia Hamvention" still doesn't have the right ring to it), Field Day plans, taking the cat to the vet, officially getting old (congrats to the new great-grandpa), "we want to buy your car!" ads in the mail, cleaning out the attic, and the 1909 resurvey of the Mason-Dixon Line.

Our next gathering of the Gang will be on Saturday, June 24<sup>th</sup>, as usual at **Suzie B's**, 950 South Central Avenue (Route 910 at the intersection of Route 519 at US 19), Canonsburg, officially starting at **8:00 AM**. Our "usual" tables will be reserved, but **please** let Jim WB4GCS know ahead of time, so that Suzie & her crew will have enough space available for us. (We really don't want to fight the State Police for seats... we'd lose!) See you there?

Yes, there will be a **WASH Picnic at the 2017 Breezeshooter's Hamfest** this year. The customary announcement simply didn't make it into last month's issue, but is in this one — and we're still a "go". Like last year, look for the club setup out in the flea market (we will try for about the same spot near the exhibit buildings we used last year), and plan to join us starting around 11:30. As usual, it will be a "pot luck" cookout, with the club providing burgers and dogs and such, with everyone coming asked to bring something — snack, dessert, side dish, deli tray, whatever.

As usual, contact Carol KB3GMN and/or Ron W3WN know if you're planning to attend, and what you can bring, so that we can coordinate everything. We've already heard from about a dozen or so (including some who can't make it or whose plans have changed). A final follow-up email will be on the N3SH reflector towards the end of the week.

Right on the heels of Breezeshooters will be **Field Day 2017**. Final discussions on plans will take place at the meeting; if you can't make it, you're still welcome to come, just contact Larry K3VX and let him know. We will be returning to Babcock Grove in South Park again this year, and we're really looking to a great time!

Speaking of which, there was some discussion last month about the club's **Butternut HF6V vertical**. As you may have heard, Dave N3DFK has donated his Hustler vertical antenna for Field Day use. The HF6 is safely in storage awaiting checking over, after which a final determination as to its future can be made. And special thanks Dave for the vertical!

Carol KB3GMN has informed the club that the **Steel City ARC**, our neighbors out in Collier Township, will be holding **an Open House for all area Amateur Radio operators**, tentatively on August 13<sup>th</sup>, at the W3KWH club house near Settler's Cabin Park. That includes all of us (even Ye Editor!) Details should be in an upcoming newsletter.

Hard to believe that we're only a few months out from the **2017 Pennsylvania QSO Party**. Plans are already in progress, and we hope to have more details in the next few issues. In the meantime, congratulations again to Bill W3WH and the other operators of his station for their Clean Sweep of all 67 counties last year — as you can see, Bill just got his plaque!

Hope you enjoyed the **2017 Hamvention pictures** and write-ups this month. We could easily do another 4 or 6 pages of photos from the exhibits, the people, the flea markets, the people, and especially the food... and the people... wow, what a difference a venue can make! Space permitting, we'll try to run some more next month.

So if you went, **what was your impression of Hamvention 2017**? Ye Editor believes that the new venue is going to work out just fine. There's clearly some fine-tuning to be done, and the mud issue after a rainstorm in the parking areas and flea market must be addressed; he is confident that the Dayton ARA will do just that in the coming months. Your opinion?



**Join WASH or Renew your Membership Today! Membership Application on Page 19**



## Minutes, May 4<sup>th</sup> Meeting

Harold Rosenberger K3HCR, Vice President / Secretary, **WASH**

Glen KE7FD, called the meeting to order at 19:15 hours. 17 members were in attendance.

The Pledge of Allegiance was recited, followed by a moment of silence was observed for recent Silent Keys & others deserving, and then introductions.

Motion to waive reading of the minutes based on the minutes printed in the newsletter by Bill W3WH, second by Carol KB3GMN, & passed unanimously.

### Committee reports:

Treasurer (N3RDV): Report read and accepted.

Mark requested a motion to file the 2016 tax returns for the club, and electronically sign for the club officers; also to authorize an extension if necessary. Motion by Bill W3WH, second by Ron W3WN, passed unanimously.

Secretary (KB3ERQ): No Report

VE (W3WN): We had one candidate at the April test session. Congratulations to new Technician Diane Northam KC3JCF. Dates for the rest of 2017 now confirmed as July 20<sup>th</sup> and October 19<sup>th</sup>, all at 7 PM at the WPXI Community Room. Thanks again to Frank N3FB for making the arrangements.

Repeaters (N3FB): Appear to be repeating.

**WASHNet** (KC3ELA): Thanks to all who are checking in.

N3SH.ORG (N3NWR): No report

Public Service (AB3ED):

Short discussion about the Fayette County SET on Saturday, April 29<sup>th</sup> at the Heritage Ridge BSA camp. Overall, Amateur Radio operators including club members did very well and impressed the organizers.

### Contests (K3VX):

- + Field Day 2017 preparations well underway. Reminder that we will once again be at Babcock Grove. We will be using the Special Event call of W3A this year.
- + Field Day T-Shirts will again be available, pricing should be close to last year if we have enough orders. The shirt will have our "event" call, red with white lettering. Contact Rick KB3IAC, he will need to know the quantity, size, and short or long sleeve for each shirt ordered by the buyer.
- + Those desiring Field Day pins should contact Glen KE7FD, and he will pick them up at Hamvention.

Ways & Means (KB3GMN): Membership Contributions will be accepted tonight at the end of the meeting.

Newsletter (W3WN): Out.

Membership Recognition (KE7FD): Kudos to Mike WA3PYG for being the first man into the SET, and the last man out.

President (KE7FD): There is a possibility of a 53 facility SET sometime in June. All healthcare facilities in SWPA may potentially be involved. It will be a "defined short duration scenario." More details to follow.

Old Business: None

New Business: None

### Good of the Order:

- + Bob KC3DOF talked about the international beacon project of the NCDXF. Carol
- + KB3GMN informed everyone that the Steel City ARC W3KWH will be holding an open house, tentatively on August 13<sup>th</sup>. All WASH members are welcome and invited.

Motion to Adjourn by Carol KB3GMN, second by Eric K3SGT and carried unanimously.

Meeting adjourned at 20:45

Following a short break for refreshments, our guest speakers, Bill W3WH and Larry K3VX, talked about Low Band Antennas; design, installation and tips.



## WASH Spotlight: N3DFK



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 **Suzy B's**, Route 910 at the intersection of Route 519 at US 19, 1 mile North of Downtown Canonsburg. 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

AA3GM	KB3IVX	N3RHT	WASH FL	WASH TN	<b>Silent Keys</b>
AB3ED	KB3JHR	N3RIY	KA3UPY/M	K3OL	
AB3NM	KB3ORO	N3SBF	W4ZE	KE3XB	AB3KA
AC3AJ	KB3YCX	N3UE	WASH NE	N3YPB	K3EED
AE3DL	KC3DOF	N3YQX	N0PEU	WASH TX	K3LIE
K3HCR	KC3ELA	NU3Q	WASH OR	NB3C	KA3NMG
K3SGT	KC3HNU	W3LE	N0VLR	K3LGM	KB3ENX
K3VX	KC3IRH	W3WH	N0WPV	KB3JX	KB3FNM
KA3TWI	KE7FD	W3WN	KB3NVL	Jane Wagner	KB3FQT
KA3VXM	N1NCZ	W8LEV	KB3NVM	WASH VI	KB3JHQ
KB3DCO	N3FB	WA3PYU	WASH OH	NP2JF	N3CZZ
KB3GMN	N3IDH	WA3VSS	N8DPW		N3FZ
KB3GMU	N3JFQ	WO3Z			N3HKQ
KB3IAC	N3RDV				N3KEH

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

Through May 29<sup>th</sup>, 2017  
List compiled by  
Mark Stabryla N3RDV, Vice President/Treasurer

KA3NMG  
KB3ENX  
KB3FNM  
KB3FQT  
KB3JHQ  
N3CZZ  
N3FZ  
N3HKQ  
N3KEH  
N3OBD  
N3RNX  
N3SKR  
N3SRC  
N3ZEL  
N3XFE  
W3ZLK  
WA3JPP

# 2017 WASH Upcoming Events Calendar

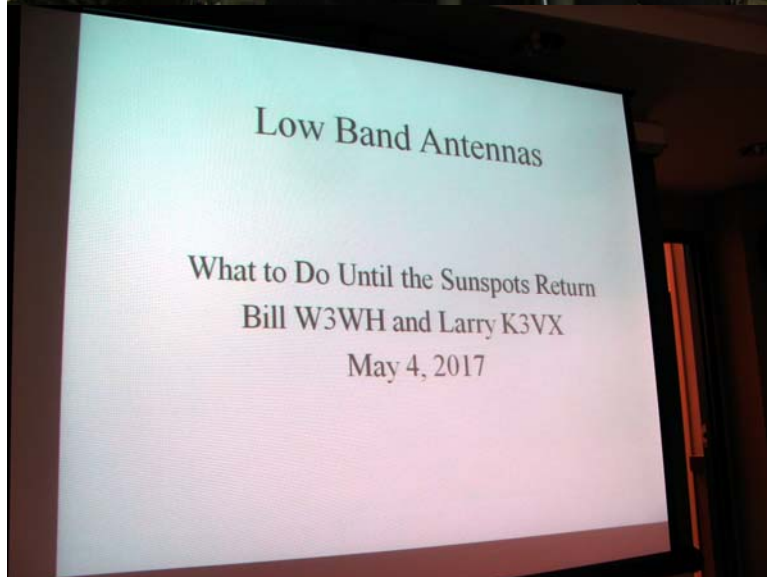
*Club Meetings & Other Significant Events — Subject to Change*

June 1 <sup>st</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
June 4 <sup>th</sup>	Breezeshooter's Hamfest	<a href="#">Big Butler Fair Grounds, Prospect PA</a>
June 10 <sup>th</sup> — 12 <sup>th</sup>	ARRL June VHF Contest	<a href="http://www.arrl.org">http://www.arrl.org</a>
June 17 <sup>th</sup>	Cumberland Valley ARC Hamfest	<a href="http://www.w3ach.org">http://www.w3ach.org</a>
June 18 <sup>th</sup>	ARRL Kid's Day	<a href="http://www.arrl.org">http://www.arrl.org</a>
June 24 <sup>th</sup> — 25 <sup>th</sup>	ARRL Field Day 	<a href="http://www.arrl.org">http://www.arrl.org</a>
July 2 <sup>nd</sup>	Somerset Co ARC Hamfest	<a href="http://www.k3smt.org">http://www.k3smt.org</a>
July 6 <sup>th</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
July 8 <sup>th</sup> — 9 <sup>th</sup>	IARU HF World Championship	<a href="http://www.iau.org">http://www.iau.org</a>
July 15 <sup>th</sup>	<del>North Hills ARC Hamfest</del>	Hamfest Cancelled
July 20 <sup>th</sup>	WASH VE Exams	WPXI Community Room, 4145 Evergreen Road, Pittsburgh PA
August 3 <sup>rd</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
September 7 <sup>th</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
September 10 <sup>th</sup>	Butler Co ARA Swapfest	<a href="#">Unionville Fire Hall, Butler PA</a>
October 5 <sup>th</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
October 14 <sup>th</sup> — 15 <sup>th</sup>	Pennsylvania QSO Party	<a href="http://www.nittany-arc.net/PAQSO.html">http://www.nittany-arc.net/PAQSO.html</a>
October 19 <sup>th</sup>	WASH VE Exams	WPXI Community Room, 4145 Evergreen Road, Pittsburgh PA
November 2 <sup>nd</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
November 5 <sup>th</sup>	WACOM Hamfest	<a href="#">Washington County Fairgrounds</a>
December 7 <sup>th</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park



## "Seen" at the May Meeting

Photos Courtesy of and © Copyright 2017 Ron Notarius W3WN





# National Voice of America Museum of Broadcasting

Frank Bobro N3FB Photos this page courtesy of and © Copyright 2017 Frank Bobro N3FB

I enjoyed the new venue for the Dayton Hamvention this year. After a full day at the show on Friday, by mid-day on Saturday I had seen most everything that interested me. I thought that the flea market area was more compact than HARA, but had better quality vendors. Then the rain came on Saturday and made the field a muddy mess. What to do?

At one of the indoor booths, I came across a volunteer from the *National Voice of America Museum of Broadcasting at the Bethany Relay Station*. I had heard about this place before from a Harris Broadcast Engineer and fellow ham. This person is also a board member of this museum. After learning the location and getting a flyer, the prospects of revisiting tables in the mud no longer held my interest. We set off on the 45 minute trip south to the museum.

When you enter, you are shown a video that is an overview of the history of Bethany Station. The six 200 kW Crosley Transmitters and antennas are no longer there – only one nonoperational Collins Transmitter remains as an exhibit. (Photo 1) The area that held the other 5 transmitters has been turned into exhibit space. Outside, the Antenna Switching Matrix at the rear of the museum building remains. Here you can see the high power switching gear for the antennas. The property covered a square mile when it was operational; most of that land was donated to the local community when operations ceased and is now a park.

One space holds a collection of vintage amateur radio equipment and a history of wireless communications. (Photos 2 & 3) Most of the radio equipment is Collins and Hallicrafters gear. It is called the Gray History of Wireless Museum. (Photos 4 & 5)

The center space of the control room still has the remote control panels and equipment racks. We were fortunate enough to speak with the gentleman who worked in this room when it was in operation. This was a relay station and as such did not contain a single microphone. That was a security precaution so that no one could take control of the short wave station locally and broadcast unapproved messages.

The other side of the building houses the Media Heritage Museum. A lot of this space is dedicated to Cincinnati Radio and TV personalities. One of the "lighted" displays is the red tower beacon that was featured during the opening scenes of the "WKRP in Cincinnati" TV show. (Photo 7) Further back in this room is a film island (Photo 6) and other old radio and television equipment. Quite frankly, some of this gear I had used and serviced and it did not seem that old to me. (Photos 8 & 9)

As you continue, there is a space with current amateur radio equipment. It is the WC8VOA amateur radio station hosted by the West Chester Amateur Radio Association. Many people were operating, so I did not take the opportunity to do so, but it was offered.

If you are planning to be in the area check the web site, [www.voamuseum.org](http://www.voamuseum.org) for hours and days of operation. The museum is open from 1 to 4 PM on the third Saturday of each month or for special occasions.



Photo 1



Photo 2



Photo 4



Photo 5



Photo 3



Photo 6



Photo 7



Photo 8



Photo 9



# Hamvention 2017

Photos courtesy of and © Copyright 2017 Glenn Roberts KE7FD



## SWODXA Dinner

Photos courtesy of and © Copyright 2017 Gary Weslager K3GW

The Guest Speaker for the Southwest Ohio DX Association (SWODXA) DX Dinner, held Friday Night of Hamvention, was Ruth Willet KM4LAO, who spoke about "Experiencing the Hobby of a Lifetime." She is an engineering freshman, but has experienced more in our hobby than most. She studied CW and elevated herself to an Extra Class within a year.

She operates on satellite, mentoring new hams. Including her mother, who is now licensed as a General. She was on a 2016 DX Adventure to Saba Island.



Ruth Willet KM4LAO

Jim WO3Z and I attended the new Hamvention venue together. There was a horrible traffic jam from all directions on Friday. I do not blame the organizers as the guidance for parking was in the Program. Everyone was funneled into a single lane driveway.

BUT, on Saturday, we assumed it would be an even greater back-up. We were surprised to find that not true; everybody that was stuck the day earlier now had the Program and knew better. We basically drove right into the entrance at 10 am. Of course, the problem with the weather did not go away. The well-used areas of the parking and flea market areas turned to mud; again not the blame of the organizers.

Overall, we totally enjoyed the experience at the new venue. Plenty of signs, plenty of food, plenty of directions, plenty of transportation via golf carts and wagons pulled by tractors, and wide open spaces. There seemed to be more attendees there than last year!

Of course, it was good to see friends, including the well-known broadcast engineer... and surprised to actually see some as it was a large area!

Just half the crowd at the DX Dinner at the Marriott Hotel. The room was just as large in the opposite direction!



Part of the crowd, after dinner reception





# Hamvention 2017

Photos courtesy of and © Copyright 2017 Frank Bobro N3FB

Hamvention: The Usual Suspects



Friends at a Hamvention!  
From Left to Right:

Rebecca (KC7VJS? K3LGM's Daughter), Ed N3ZNI, Lori KB3GMU, Dave K3LGM/5, Kevin N3KFD, Frank N3FB, and Dave N3IDH



Some totally oblivious photographer



AB3ED & KB3GMU



Can you  
hear me  
now?



## FCC Issues Notice of Violation for Pirate Broadcasting

Newington, CT, May 30<sup>th</sup>, 2017 — The FCC Enforcement Bureau has sent a California Amateur Radio licensee a Notice of Violation (NoV) alleging that he engaged in unlicensed — or “pirate” — radio broadcasting — on the FM band. The NoV to Lyle E. Hilden KD6LUL, of Vista, was released on May 26<sup>th</sup>. Depending on Hilden's responses, the NoV could be a precursor to a Notice of Apparent Liability for Forfeiture (fine).

According to the FCC's Los Angeles Office, the Enforcement Bureau in March received a complaint of an apparently unlicensed FM broadcasting station on 93.7 MHz in Vista. The NoV does not indicate the origin of the complaint, but these sometimes come from legitimate broadcasters in the listening area. The NoV also does not recount the nature of the alleged pirate broadcasts nor indicate how long they had continued.

The following month, FCC agents monitored the apparent unlicensed signal 93.7 MHz and used direction-finding techniques “to positively locate” its source as Hilden's residence.

“Field strength measurements revealed that the signal transmitted by the station greatly exceeded 250 µV per meter at 3 meters — the maximum permitted on 93.7 [under Part 15 rules] without a Broadcast license,” the FCC said in the NoV. Agents inspected Hilden's station and pointed out in the NoV that his Amateur Radio license does not entitle him to transmit on the FM broadcast band.

The FCC called on Hilden to provide additional information in writing within 20 days of the NoV, fully explaining any violations and providing “all relevant surrounding facts and circumstances.” Hilden also must spell out and provide a time line for the actions he has taken to correct any violations and preclude their recurrence.



## Scott Township Public Safety Day — June 10<sup>th</sup>

Bob Mente NU3Q, will be doing an amateur radio demonstration on Saturday, June 10<sup>th</sup> from 10 AM to 2 PM at the Scott Township Public Safety Day in Scott Township Park. The park is located near the corner of Lindsay and Greentree Roads in Scott Township, Allegheny County. He will be doing mainly digital communications to appeal to the broad audience in attendance at the event, including children. For more information, contact Bob at [nu3q@verizon.net](mailto:nu3q@verizon.net)



# Hamvention 2017: People

Photos courtesy of and © Copyright 2017 Ron Notarius W3WN



VU2YAM



W4PA



WB6NOA



Young Hams exhibit



Yes, they're hams  
No, I'm not telling you their calls  
No, you can't have a closeup



CE2MVF



K9EID



One of the Quicksilver Radio lovely ladies... why don't they ever come to Breezeshooters?



There are no words



EY6MM



UT7QF



# Hamvention 2017: Friends

Photos courtesy of and © Copyright 2017 Ron Notarius W3WN



KA3VXM



WA3PYU



WA3NB



KE7FD



W3YJ



NY9H



N3YJJ, N3TIR



KC3DOF



WA3WAW



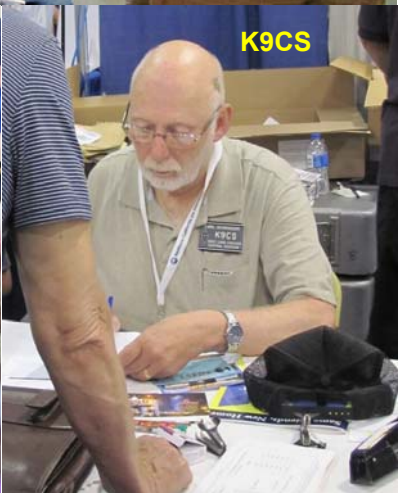
W1RFI, W3BC, W3YOZ



WB9DBD



WB9DBD

Hamvention  
Special Event  
Station

K9CS

You never know who you're going to run into...

A few days before Hamvention, Mike K3AIR received a QSL card from this gentleman... and then we run into him completely by accident on Saturday while grabbing lunch. Go figure!



# Hamvention 2017: Toys 'n'at

Photos courtesy of and © Copyright 2017 Ron Notarius W3WN





## WPA Section News

Joe Shupienis W3BC, ARRL Western Pennsylvania Section Manager

Falls Creek, PA, May 28<sup>th</sup>, 2017 — The 2017 ARRL WPA Section Convention is taking place at the Breezeshooters Hamfest, Sunday, June 4<sup>th</sup> from 8:30 am – 11:30 am.

Your Western Pennsylvania Section is pleased to announce the 2017 Section Convention with ARRL speakers and programs. Get to meet and speak with your ARRL WPA Section staff, your Atlantic Division Director Tom Abernethy W3TOM, and from ARRL HQ in Newington, CT, ARRL Emergency Preparedness Manager Mike Corey KI1U!

### Schedule of Events

0830 – 0930	Digital Voice Modes (DMR, D-STAR, System Fusion, P25, NXDN, TRBO...) Cory Sickles WA3UVV, WPA PIC
0930 – 1030	ARRL Updates and discussion Tom Abernethy W3TOM, Atlantic Division Director & Western PA Section Staff
1030 – 1130	Featured Program- ARES and Public Service Mike Corey KI1U, ARRL HQ ARRL Emergency Preparedness Manager Keynote Speaker



Mike Corey KI1U is the ARRL Emergency Preparedness Manager, with his office at ARRL Headquarters in Newington Connecticut. He will be the keynote speaker at our WPA Section Convention.

Mike joined the ARRL HQ staff in April 2010 as Emergency Preparedness Manager. Prior to joining League staff he worked in law enforcement in Indiana and Mississippi. He has also served as an emergency management volunteer, disaster response volunteer, reserve police officer, law enforcement academy and public safety instructor, and on emergency operations center staff.

Mike, along with Vic Morris AH6WX, is the author of the ARRL publication Storm Spotting and Amateur Radio.

Mike has been licensed since 1988 and holds an Amateur Extra class license. Besides ARES and SKYWARN Mike's interests in Amateur Radio are diverse; DXing, contesting, CW, satellites, digital modes, and being on the business end of the pile up are a few of his favorite activities.

He is a life member of the ARRL, alumni member of Indiana University Amateur Radio Club, member of the University of Mississippi Amateur Radio Club, Yankee Clipper Contest Club, and the Kokomo Amateur Radio Club. He is also a member of the Association of Public Safety Communication Officials, International Association of Emergency Managers, Radio Club of America, and American Meteorological Society.

## Somerset County ARC 14<sup>th</sup> Annual Hamfest

Sunday, July 2<sup>nd</sup>, 2017, 8:00 AM—1:00 PM (Date Change)

Vendor Setup beginning at 6:00 AM

### Somerset County Technology Center

281 Technology Drive, Somerset PA 15501

Talk-in on 147.195 and 443.250 PL 123.0

Admission \$5

More Information at <http://www.k3smt.org>



## The North Hills ARC 32<sup>nd</sup> Annual Hamfest

**Has Been Cancelled for 2017**

Due to a lack of a suitable venue this year

More Information at <http://nharc.org>





## Midway & Kure Islands Reinstated As Active DXCC Entities

Newington, CT., May 11<sup>th</sup>, 2017 — On March 31<sup>st</sup>, 2017, the DXCC desk announced the deletion of Midway Island and Kure Island from the DXCC entities list. The stated reason for this action was because of changes in the administration resulting from changes in Papahānaumokuākea Marine National Monument, formerly known as the Northwestern Hawaiian Islands Marine National Monument, of which the Midway Atoll National Wildlife Refuge and the Battle of Midway National Memorial, the Hawaii State Seabird Sanctuary at Kure Atoll, and the Northwestern Hawaiian Islands State Marine Refuge, of which they are all included.

After further review it has been found that the deletion of these two entities is not supported by the changes that were made to the relevant administrations. Therefore, the deletions from the DXCC list should not have occurred and the two entities, Midway Island KH4 and Kure Island KH7K, will return to the DXCC list as separate entities.



In collaboration with the Liberian Radio Amateur Association, a team consisting of Richmond EL2BG, Dickson EL2DT, Jeremy EI5GM, Dave EI9FBB and Col MMØNDX are delighted to announce the much anticipated IOTA DXpedition to Baiyah Island AF-111P. This IOTA has never before been activated.

Planning and organising this expedition has taken well over a year and is still ongoing. One reconnaissance trip has already taken place to ascertain where the island actually is, and to meet with local elders & community leaders who control Baiyah Island.

The island itself is a cultural sacrifices location for people in the Tarsue Chiefdom. Baiyah island is known as the place where people in nearby villages carry out their traditional worship. As a result, no one normally goes there without proper arrangement and approval.

Our [website](#) is now up and running, and in a few weeks time, a second survey trip is upcoming once our finances allow. We need to pinpoint the best landing stage on the island and to reacquaint with local villagers and elders. This entire operation is only possible with their blessing!

Time on the island will be limited and definitely weather dependent. We are under no illusion this activity could be tricky. One only has to look at the [Media Gallery](#) on our website to see the island is not very inviting. Nonetheless, we carefully chose early November (dry season) to attempt an activation of AF-111.

We have requested the special callsign **5L3BI** and are hopeful the Liberian Telecoms Authority will approve and issue this to us soon.

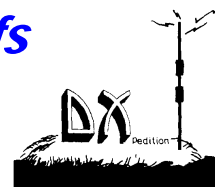
Tentatively, dates of activity will be around November 1-4, 2017. This may change slightly but we will update in due course regarding that.

Even at this early stage, demand to work AF-111 will be huge and we kindly ask you work us only once to give all IOTA chasers a fair chance of getting in the log.

Visit our website to support us <https://af111new.com/> Thank you.

— Col McGowan MMØNDX

## DX News Briefs



"Last January, we revealed our new project: a DX expedition to St Brandon archipelago — **3B7**. Initially planned on October 2017, it is finally the period of March-April 2018 which was selected. It presents a maximum of favorable conditions.

Since the announcement, we have worked on many subjects by following our usual roadmap. Although we're already familiar with this kind of preparation, it is far from being a routine because each project is different. This new adventure does not make exception, and has its batch of characteristics. That's all these preparatory tasks achieved during months which will condition success once on the air. A qualified and very motivated team was made up. Our only and single objective will be to satisfy the amateur radio community.

The website is now online, <http://www.saintbrandondx.com> and will be fed in the coming weeks with articles about the preparation. We are impatient to talk with you about this new project" — F5CWU

S55M is now QRV as **JT5MM**. Length of stay is unknown. QSL via S54G — DX News

9A5K is now QRV as **JT5KK**. Length of stay is unknown. QSL via 9A3JB — DX News

JA1XGI will be QRV as **9H3XG** from Malta, IOTA EU-023, 7 - 12 June 2017, 40 - 15m CW, RTTY. QSL via JA1XGI. — DX News

DK7TX will be QRV as **SV8/DK7TX** from Erikoussa Island, IOTA EU-052, 9 to 10 June 2017, on HF. QSL via DK7TX. — DX Coffee

VK5YL will be QRV from Rarotonga, IOTA OC-013, 10 to 17 June 2017 as **E51XYL**, primarily on 20 meters SSB. QSL via VK5YL. — DX Coffee

K2HVN will be QRV as **OY/K2HVN** from IOTA EU-018, 13 to 26 June 2017, on 40 - 10 meters, CW & SSB. QSL via K2HVN. — DX Coffee

VK5MAV will be QRV as **VK9MAV** from Marion Reef, Coral Sea Islands, IOTA OC - 267 11 - 16 June 2017, on HF. He will then be QRV from the Whitsundays Islands, IOTA OC - 160, 17 - 18 June 2017. QSL via VK5MAV direct, or via RN3RQ — DX News

F6CTF will be active from French Polynesia June - September 2017 as **TX5JF** and **TX5JF/MM**. He is planning to operate from different IOTA Islands, on 80 - 10m. QSL via F6CTF — DX News

W5JON will be QRV as **V47JA** from Saint Kitts Island, IOTA NA-104, 12 July - 5 August 2017. He will operate on 160 - 6 m (Including 60m). QSL via W5JON — DX News

K7AR will be QRV as **5WØRA** from Samoa, IOTA OC - 097, 19 - 28 September 2017, on 160 - 10 meters. QSL via K7AR — DX News

## QSL Routes

7S1GRK via SK1BL	ED4M via EA4ZK	R15JSU via R8JAA
7Y9WTD via 7X2VFK	EE8A via EA8DA	R7ØCLUB via RZ4AWB
8N6ØJLRS via JQ6FQI	EG4TOR via EA4PN	R7ØSRC via R9XC
8SØITU via SKØCC	EG9TOR via EA4PN	RP72GF via RA3TYL
9G1SD via ABØGC	EN6ØD via UZ5DX	S51STWW via S59DAJ
9H1AE via SV2AEL	G3M via G4PEO	SD3G/7 via DL7UXG
9H3SQ via SQ3RX	G8W via G6DOD	SD5Y/7 via DL2YBG
A91WTIS via A92AA	HBØ/DJ1AA/M via DJ1AA	SD7V via DL2VFR
AO8EU via EA3RKF	HG5ØØREF via HAØBW	SPØMC via SP9KGC
CG2FU via VE2FU	I15LDV via IQ5LV	T8VE via JA8VE
DL6ØTELF via DJØAH	IK7XNF via 9A8MDC	TJ3PD via N2OO
DQØX via DF7IS	JT5MA via LY5W	TM5ØSNSM via F4GPB
DR5E via DK2CF	OF3DP via OH3DP	V51WH via DK2WH
E31A via JH1AJT	OF5Z via OH5LIZ	

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.**

### HAM RADIO INSURANCE ASSOCIATES, INC.

P.O. Box 201

Canonsburg, PA 15317-0201

Toll-Free 1-800-545-8881

Fax: (412) 746-5944

[bill.hill@hamradioinsurance.com](mailto:bill.hill@hamradioinsurance.com)

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

Radio Equipment	Computer Equipment
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Mechanical Breakdown & Electrical Damage Coverage	



Antenna Zoning or PRB-1 Issues?

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

Lazaroff & Suhr, Attorneys at Law

277 West Main Street, Saxonburg, PA 16056

Phone: 724-352-4905

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

Find the online cartoons and stories of Dash the Dogfaced Ham & more at [www.dashtoons.com](http://www.dashtoons.com)!

Shop for Dash items at his online store on Café Press, [www.cafepress.com/shopdash](http://www.cafepress.com/shopdash)



## Consent Decree, Forfeiture Terminate FCC Interference Investigation

Newington, CT, May 25<sup>th</sup>, 2017 — The FCC has again used a [consent decree](#) to resolve an enforcement matter. The FCC Enforcement Bureau recently concluded a radio interference investigation with "a negotiated settlement" and \$90,000 civil penalty. The case against AFX Inc. involved the marketing of unauthorized RF devices that interfered with AM/FM radio reception.

After the company's NLL Series LED lighting fixtures were reported to be causing interference to broadcast radio reception last year, the Enforcement Bureau's Spectrum Enforcement Division issued a *Letter of Inquiry (LOI)* to AFX directing it to submit a sworn written response regarding its marketing and sale of the fixtures, considered unintentional radiators under FCC rules. The FCC said evidence revealed that the suspect lighting fixtures had not been tested and authorized under FCC rules prior to marketing, and that AFX continued to market them during an approximately 5-month period after receipt of the *LOI*.

"[W]e find that the public interest would be served by adopting the Consent Decree and terminating the referenced investigation regarding AFX's marketing of unauthorized radio frequency devices, and compliance with Section 302(b) of the Communications Act of 1934, as amended and Sections 2.803(b)(2), 15.107(a), and 15.109(a) of the Commission's rules (Rules)," the FCC said.

— American Radio Relay League

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 [wa3sh-subscribe@yahooogroups.com](mailto:wa3sh-subscribe@yahooogroups.com) and the automation should take care of the rest!

## FCC FCC News

Courtesy of the American Radio Relay League

Newington, CT, May 22<sup>nd</sup>, 2017 — The FCC has issued a *Notice of Unlicensed Operation (NUO)* to a Texas man for causing interference to a VHF public safety communications system in Dallas County. The FCC Enforcement Bureau issued the *Notice* to Bradley C. Pike of Dallas on May 17<sup>th</sup>.

On April 3<sup>rd</sup>, agents from the FCC's Dallas Enforcement Bureau Office responded to a complaint from Dallas County Consolidated Services regarding interference to their VHF public safety communications system. Agents confirmed by direction-finding techniques that VHF emissions coming from Pike's residence were causing the interference. Pike surrendered a radio signal jammer after admitting to agents that he had used the device, the FCC said.

The Communications Act not only prohibits intentional interference, but the manufacture, importation, marketing, sale, or operation of devices designed to jam or disrupt wireless communications deliberately. Pike could face a substantial fine, seizure of radio equipment, and criminal sanctions, including imprisonment, the FCC said.

Pike has 30 days to respond to the *Notice*, and the Enforcement Bureau "will use all relevant material information before it to determine what, if any, enforcement action is required to ensure your compliance with FCC rules. This will include any information that you disclose in your reply," the FCC told Pike.

The US Government has filed a civil complaint in Federal District Court for the Western District of Pennsylvania to recover an unpaid \$11,500 fine that the FCC imposed in a *Forfeiture Order* 2 years ago on Brian Crow K3VR, of North Huntingdon, Pennsylvania. The complaint was filed in Federal District Court for the Western District of Pennsylvania on the basis of Crow's residence. FCC records list what appears to be a private mailbox address in Boynton Beach, Florida, for Crow. The office of the clerk for the US District Court for the Western District of Pennsylvania confirmed that the complaint was filed on May 8<sup>th</sup>.

In January 2015, the FCC levied the \$11,500 fine on Crow for allegedly causing deliberate interference. The FCC had linked its enforcement case against Crow with the separate case of Michael Guernsey, KZ8O (ex-ND8V), of Parchment, Michigan, whom the FCC has fined \$22,000 for allegedly causing intentional interference with other Amateur Radio communications and for allegedly failing to identify. In both cases, the FCC said, it responded in March 2014 to "several complaints of intentional interference" on 14.313 MHz, and Commission agents used radio direction-finding techniques to determine the transmission sources.

According to the court complaint against Crow, FCC agents in March 2014 tracked transmissions to Crow's residence and monitored them for approximately 3 hours and heard him transmit slow-scan television (SSTV) signals and a prerecorded voice transmission of another Amateur Radio station on the frequency.

"During this March 14<sup>th</sup>, 2014, monitoring period, Defendant's transmissions prevented other amateur licensees from communicating over the frequency and Defendant did not transmit his assigned call sign," the complaint said. Agents also inspected Crow's station and, the FCC reported, confirmed that it was capable of operating on 14.313 MHz.

As the complaint notes, Congress has decreed that forfeitures assessed by the FCC shall be "payable into the Treasury of the United States" and shall be "recoverable...in a civil suit in the name of the United States."

The complaint seeks payment of the \$11,500 fine plus interest & plaintiff's costs.

## SAQ Transmission Cancelled

There will be no Alexanderson Day over-the-air VLF transmission on June 2<sup>nd</sup> from SAQ, the Alexanderson alternator station in Sweden. SAQ periodically schedules transmission with the nearly century-old behemoth that operates on 17.2 kHz from the World Heritage Grimeton Radio Station. SAQ said that the event was cancelled due to ongoing maintenance work at the site.

Dating from the 1900s, the Alexanderson alternator — essentially a massive AC generator run at extremely high speed and connected to an extensive antenna system — can put out 200 kW, but typically is operated at less than one-half that power level. Once providing reliable transatlantic communication, it is now a museum piece and only put on the air on special occasions. The unit at SAQ was built in the 1920s

Has Roadway found the tower yet?



# 63<sup>rd</sup> Annual BreezeShooters Hamfest & Computer Show



Sunday, June 4<sup>th</sup>, 2017 8:00 AM to 3:00 PM  
at the Big Butler Fairgrounds,  
1127 New Castle Road (US 422), Prospect PA 16052  
\$5 Per Person Admission Donation

Indoor Tables & Tailgate / Flea Market Spaces Available

Flea Market spaces \$10 for the first space, \$5 for each additional space

Fairgrounds open at 5 PM June 3<sup>rd</sup> for Vendor & Tailgate Setup

14 Main Prizes

11 Half Hour Prizes (based on Admission Tickets)

Indoor Tables \$20 per table and may be reserved by contacting  
Bob at (724) 410-1028

Or mail reservations to PO Box 101018, Pittsburgh PA 15237

Table reservation cut-off date May 20<sup>th</sup>, 2017

Download directions & the latest flyer from the BreezeShooters Web Site at  
<http://www.breezeshooters.org> or email [hamfest2017@breezeshooters.org](mailto:hamfest2017@breezeshooters.org)



## ***Nineteenth Annual WASH Picnic at the Breezeshooter's Hamfest***

Sunday, June 4<sup>th</sup>, 2017  
from approximately 11:30 AM to 1:00 PM  
At the **WASH** Club Location  
Somewhere Out in the Flea Market

*(We have 3 spaces together, exact location to be determined)*

*A tradition at the Breezeshooter's Hamfest for over 29 years on & off,  
and a WASH formal or informal activity for the last 18!*

Spend the morning meeting your fellow WPA & Regional Hams, buying or selling stuff & dodging roving golf carts full of Breezeshooters — then join your fellow **WASH** members and our invited friends for lunch, friendship, bragging rights, and (if set up and operational) operating N3SH/3 from the Flea Market!

This will be a "Pot Luck/Covered Dish" Picnic — The Club has traditionally provides the burgers and hot dogs; we're asking everyone coming to bring buns, soft drinks, water, a side dish, snacks, fruit, cookies, dessert, ice, or whatever they can.

Contact Carol KB3GMN [n3sbf@comcast.net](mailto:n3sbf@comcast.net) to coordinate who's bringing what.

There is no charge to attend (outside of bringing something to share) but the picnic is not open to the general public, only **WASH** members (including their families), friends & invited guests.



# Skyview Radio Society Swap'n'Shop

Sunday, August 27<sup>th</sup>, 2017, 8:00 AM—1:00 PM

Grounds Open at 6 AM for Vendors & Tailgaters

Skyview Radio Society Clubhouse

2335 Turkey Ridge Road, New Kensington, PA

Talk-in on 146.640 PL 131.8

Admission \$5

More Information at <http://www.skyviewradio.net>



# Uniontown ARC GabFest 67<sup>th</sup> Annual Hamfest

Saturday, September 2<sup>nd</sup>, 2017, 8:00 AM—1:00 PM

Setup Time at 6 AM for Vendors & Tailgaters

W3PIE Clubhouse, 433 Old Pittsburgh Road (just off State Route 51 & US 119 or State Route 43), Uniontown

Talk-in on 147.045 PL 131.8

Free Admission — Free Parking — Free Swap-N-Shop Setup  
With Registration

More Information at [www.w3pie.org/gabfest.htm](http://www.w3pie.org/gabfest.htm)



# Butler County ARA Swapfest 2017

Sunday, September 10<sup>th</sup>, 2017, 8:00 AM—3:00 PM

Grounds Open at 6 AM for Vendors & Tailgaters

Unionville Volunteer Fire Department

102 Mahood Road (at Route 8 North), Butler, PA 16001

Talk-in on 147.360 PL 131.8

Admission \$5

More Information at <http://www.w3udx.org>



# WACOM Hamfest 2017

Sunday, November 5<sup>th</sup>, 2016, 8:00 AM—3:00 PM

Vendors Setup starting at 6 AM

Washington County Fairgrounds

2151 North Main Street, Washington, PA 15301

Talk-in on 146.790 PL 131.8

Admission \$5

More Information at <http://www.wacomarc.org>







# WASHfest 2018

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

Sunday, February 25<sup>th</sup>, 2018  
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 TBA — You've Got to Play to WIN!

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

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

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](mailto:n3sbf@comcast.net)

E-mail us directly at [washarc@yahoo.com](mailto:washarc@yahoo.com) Check out our website too! [www.n3sh.org](http://www.n3sh.org)

**Please Note:** Early Table Reservations must be paid in full on or before January 31<sup>st</sup>, 2018. Reservations received after February 1<sup>st</sup>, 2018 must include payment in full. Reserve now... we have sold out in advance eight years running!

Hamfest Table Reservation Form—Please PRINT LEGIBLY ALL INFORMATION

Name: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ - \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Call Sign: \_\_\_\_\_

Tables WITH Electricity: \_\_\_\_\_ X \$15.00 = \_\_\_\_\_

Tables WITHOUT Electricity: \_\_\_\_\_ X \$12.00 = \_\_\_\_\_

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

Please make all checks payable to:  
WIRELESS ASSOCIATION OF SOUTH HILLS  
PLEASE MAIL RESERVATION TO:  
**WASHFEST 2017**  
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: \_\_\_\_\_

Address: \_\_\_\_\_

City, State: \_\_\_\_\_

Home Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

New Members Only:

☐ I do NOT want to be added to the Club E-Mail Reflector

☐ I do NOT want to be added to the Electronic Newsletter Mailing List

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

Signature: \_\_\_\_\_

Call Sign: \_\_\_\_\_

License Class: \_\_\_\_\_

Expires On: \_\_\_\_\_

Work Phone: \_\_\_\_\_

Birthday: \_\_\_\_\_

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

Date: \_\_\_\_\_

Amount Enclosed: \$ \_\_\_\_\_

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

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

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



## DXers have a choice!

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



Send an email to [bernie@dailydx.com](mailto:bernie@dailydx.com) or go to [www.dailydx.com](http://www.dailydx.com)

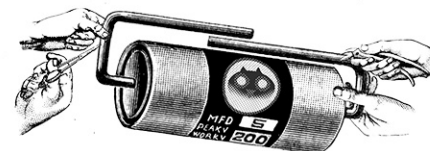
The Daily DX, 3025 Hobbs Road,  
Glenwood, MD 21738 Phone: 301-854-5650



**Arhhh!**  
**What Mightst We Draw For Ye, Matey?**



**HANDMADE BY GNOMES.**





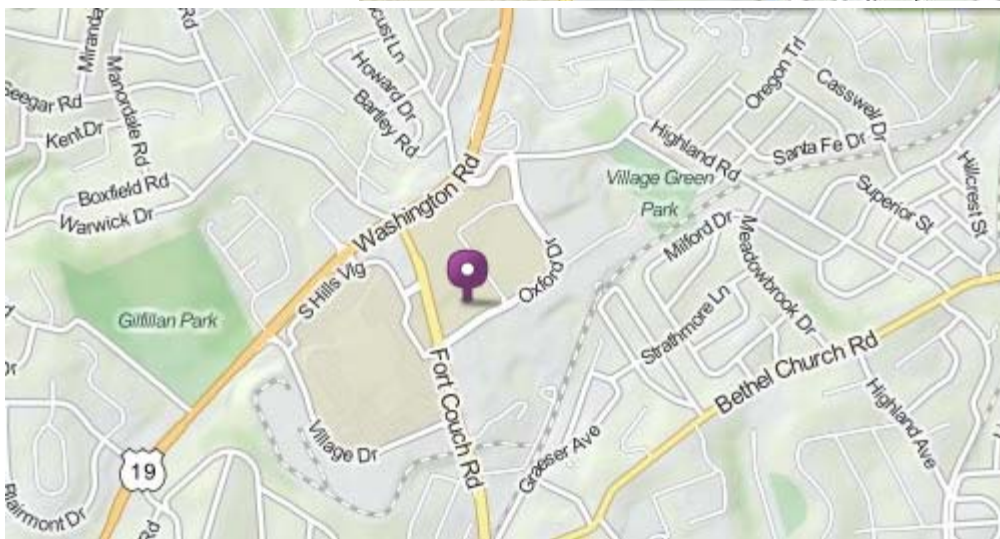
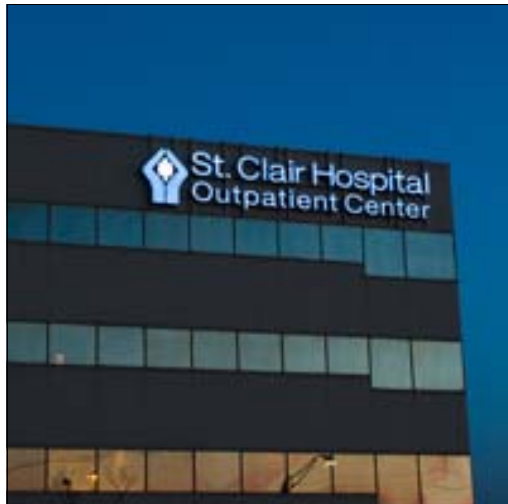
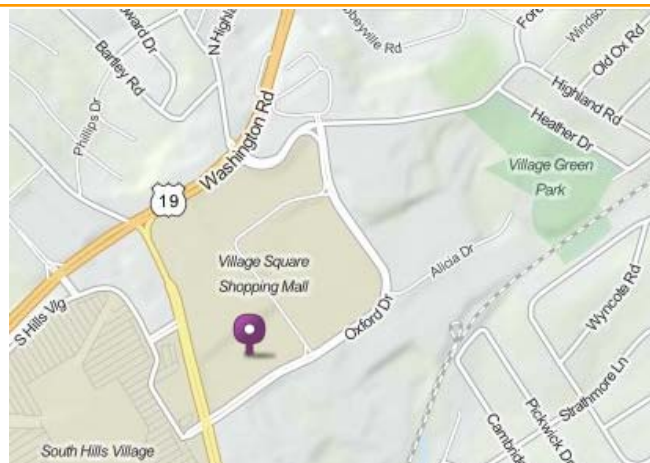
# 2017 WASH Meeting

## Location

### St. Clair Hospital Outpatient Center Conference Room

2000 Oxford Drive, Bethel Park PA 15102

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



## The WASHRag

Wireless Association of South Hills, Inc.

Ron Notarius W3WN, Editor

3395 Rosewood Drive

Castle Shannon, PA 15234-2546



N3SH / WA3SH  
NP2SH/B

[www.n3sh.org](http://www.n3sh.org)  
[www.washarc.org](http://www.washarc.org)

