



# WASHRAG<sup>TM</sup>



Wireless Association of South Hills

VOLUME 19 ISSUE 03.5  
MARCH 2017 #2

## WASHFest 2017 Special Edition



N3SH WA3SH NP2SH/B

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





## WASHRAG™



VOLUME 19 ISSUE 03.5

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### Next Monthly Meeting: Thursday, April 6<sup>th</sup>, 2017

The next meeting of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** will be on **Thursday, April 6<sup>th</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.

Meeting topics: Field Day, Hamvention, Breezeshooter's plans, and more. Our scheduled guest is ARRL WPa Section Volunteer Counsel Mike Lazaroff K3AIR, who will be giving a talk about PRB-1 and related issues on antennas and zoning. See you there!

Cover Photos: A montage of several photographs taken during the course of **WASHFest 2017**.

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 2017 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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Ron Notarius W3WN  
3395 Rosewood Drive, Castle Shannon, PA 15234-2546  
e-mail: [newsletter@n3sh.org](mailto:newsletter@n3sh.org) or [w3wn@arrl.net](mailto:w3wn@arrl.net)

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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.

# 2017 WASH Upcoming Events Calendar

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

March 18 <sup>th</sup>	WACOM Traffic Handling & Net Operating Open Class	<a href="#">South Strabane VFD, 1696 E. Maiden St Washington, PA</a> Class starts at 10 AM
March 18 <sup>th</sup>	Breezeshooter's Groundwave SSB	<a href="http://www.breezeshooters.net">http://www.breezeshooters.net</a>
March 22 <sup>nd</sup>	SKYWARN Spotter Training (Basic)	<a href="#">Butler County EMA, 120 McCune Drive, Butler PA</a> Class starts at 6:30 PM
March 25 <sup>th</sup> — 26 <sup>th</sup>	CQ WPX Contest SSB	<a href="http://www.cqwpix.org">http://www.cqwpix.org</a>
April 6 <sup>th</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
April 23 <sup>rd</sup>	Two Rivers ARC Hamfest	<a href="#">The Spectrum, Boston PA</a>
May 4 <sup>th</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
May 7 <sup>th</sup>	Pittsburgh Marathon	<a href="http://www.pittsburghmarathon.com/">http://www.pittsburghmarathon.com/</a>
May 19 <sup>th</sup> — 21 <sup>st</sup>	HAMVENTION <sup>®</sup>	<a href="#">Greene County Fairgrounds, Xenia OH</a>
May 27 <sup>th</sup> — 28 <sup>th</sup>	CQ WPX Contest CW	<a href="http://www.cqwpix.org">http://www.cqwpix.org</a>
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 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 6 <sup>st</sup>	WASH Meeting	St. Clair Hospital Outpatient Center, 2000 Oxford Drive, Bethel Park
July 7 <sup>th</sup> — 9 <sup>th</sup>	PVGP Historics at Pitt Race	<a href="http://www.pvgp.org/">http://www.pvgp.org/</a>
July 8 <sup>th</sup> — 9 <sup>th</sup>	IARU HF World Championship	<a href="http://www.iaru.org">http://www.iaru.org</a>
July 15 <sup>th</sup>	North Hills ARC Hamfest	<a href="http://nharc.org">http://nharc.org</a>
July 7 <sup>th</sup> — 9 <sup>th</sup>	PVGP Race Weekend Schenley Park	<a href="http://www.pvgp.org/">http://www.pvgp.org/</a>



The [Field Day 2017 packet](#) now is available from the ARRL website. Field Day 2017 is June 24<sup>th</sup>-25<sup>th</sup> — always the fourth full weekend in June. There have been no significant rule changes from 2016.

The Field Day packet contains everything you or your club will need to succeed in June, including explanations, FAQs, articles from experts, and even a log page template, if you log on paper for FD.

For more information on Field Day, [contact](#) the ARRL Contest Branch.



# Hall Setup - Saturday

Photos Courtesy of and © Copyright 2017 Ron Notarius W3WN



Arrival 9:30 AM



Wouldn't a vertical look NICE on that tower?



Taylor  
Rentals  
arrives with  
the tables!



"Yes, we're still here!"  
K3VX, W3WH, WA3VSS



Getting there,  
table by  
table...



Carol KB3GMN finally got to present Mark N3RDV  
with the Kilowatt Award for 2016



Done!

(Photo courtesy of and © Copyright  
2017 Frank Bobro N3FB)



Sunday AM Setup

Photos courtesy of and © Copyright 2017 Ron Notarius W3WN





# *... and Here They Come!*

Photos courtesy of and © Copyright 2017 Ken Frankenbery AA3GM





## VE Exam Results

Ron Notarius W3WN, WASH ARRL-VEC Liason

We ended up with a total of 8 candidates at the test session, and I am pleased to report that 6 out of the 8 walked out the door with a new license, and 1 existing Amateur upgraded to Extra Class!

Testing began officially at 10 AM, with some of our pre registered candidates starting on their paperwork about 9:45. Testing was wrapped up by about 11:30.

The exam results were sent to the ARRL VEC first thing Monday morning, February 27<sup>th</sup>, and the new calls were in the FCC ULS by Thursday, March 2<sup>nd</sup>!

Congratulations to the following new and upgraded Amateurs!

**Extra:** Richard Gaidowski KD8PHF, McMurray, PA  
**General:** Dennis Soltriick KC3IRI, Jefferson Hills, PA  
**Technician:** Robert Adams KC3IRF, Pittsburgh  
 Jennifer Cook KC3IRH, Upper St. Clair  
 Edwin Kaylor KC3IRG, McKeesport  
 Colleen Martch KC3IRD, Bentleyville  
 Robert Morgan KC3IRE, Pittsburgh

Our thanks also to all of the club VE's (as well as quite a few VE's from other clubs) who volunteered their time. As it turns out, the testing all ended up being done by Jim Sanford WB4GCS (still dead tired after just returning Saturday night from a long business trip), Ken Frankenbery AA3GM, and Ron Notarius W3WN, with Glen Roberts KE7FD spelling us from time to time.

Our thanks also to everyone who helped moved tables and chairs around to make an otherwise dingy storage room into a proper testing room, and especially to Chuck KC3ELA and Frank N3FB for bringing in some additional LED lighting to make the room presentable!

Thoughts for next year: We'll definitely have to get those old pallets & whatnot out of the way too. And is there any way to convince the County that the room could use a fresh coat of paint and a brighter overhead light?

Some of our candidates



The VE Team



## The ARRL WPA Section Was Well Represented!





## More Photos of the Day

Courtesy of and ©Copyright 2017 Ron Notarius W3WN





## More Photos of the Day

Courtesy of and ©Copyright 2017 Ron Notarius W3WN





# Main Prize Winners!



**First Prize**  
**Carl Hardy N3BGI**



**Second Prize**  
**Rick Bell KB3IAC**



**Third Prize**  
**John Young ACØKK**

4<sup>th</sup> Prize: Ed Oelschlager N3ZNI

Black Box 1: Art Bailey N3WLB

Black Box 2: Ron Notarius W3WN

50/50: Eric Urden K3SGT

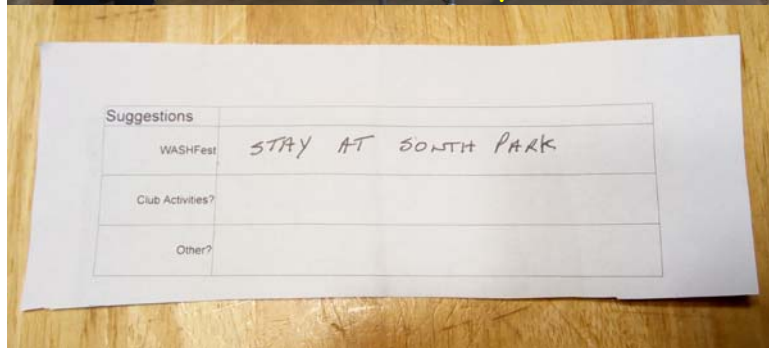
Our thanks to Cathy Sauder and Sauder Electronics for their donation of the 4<sup>th</sup> Prize, a 2 Meter Mobile Antenna



Photo courtesy Frank Bobro N3FB



ARRL WPa Section Manager Joe Schupienis W3BC pulling the main prize tickets under the watchful eye of Hamfest Chair Carol Danko KB3GMN



Above: There weren't a lot of suggestions put into the Suggestion Box this year, but this is one that we're going to listen to!

Photo courtesy of & © Copyright 2017 Glen Roberts KE7FD. Thanks also to Glen for the photos of the 1<sup>st</sup> Prize Winner (above) and the VE Team (page 11)



Photos courtesy Glen Roberts KE7FD



# International Crystal Going QRT

International Crystal Manufacturing Company Press Release

Oklahoma City, OK, March 9<sup>th</sup> —Dear Customers:

We are writing to inform you that International Crystal MFG is unfortunately going out of business. We will be honoring all orders that we have already taken and will be able to fill a limited amount of new orders dependent on raw materials available. We are looking at the end of May but it may change dependent upon several factors i.e.: raw materials; facilities sold.

We would like to thank you for your past business. The success of ICM over the previous 66 years has been largely due to its amazing customer base. We have tried hard to make each one of our customers happy through exceptional customer services and reliable product.

Please do not hesitate to call us if there is anything we can do to help you through this difficult transition. (800) 725-1426

We apologize for any inconveniences that this may cause.

Best Regards,

Royden Freeland Jr., Owner, ICM

Royden R. Freeland Sr. founded International Crystal in 1950, at first operating out of his garage. One of his first contracts was to produce crystals for Collins Radio. The elder Freeland and his wife died in a 1978 air crash, and his son took over the company, which expanded into the production of other electronics in the 1980s.

In the 1990s, though, it sold off some of its equipment and distribution business to concentrate on its core enterprise — the manufacture of crystal and oscillator products.

The announcement caught some manufacturers off guard, and they are seeking to source the products they had been buying from ICM, one of the few remaining US-based manufacturer of crystal products. Radio amateurs requiring crystals for projects or as replacement parts for older equipment also will have to look elsewhere.

Ironically, International boasts on its website that it's "a proud supplier to RadioShack," which, for the second time in 2 years, declared Chapter 11 bankruptcy this week.

— ARRL Web News



## You've Got Questions? We've Got Chapter 11!

### RadioShack Files For Bankruptcy — Again

American Radio Relay League

Newington, CT. March 9<sup>th</sup>, 2017 — Once the go-to store for radio amateurs, electronics tinkerers, and shortwave listeners, [RadioShack](#) has filed for Chapter 11 bankruptcy for the second time in 2 years, placing the future of its remaining stores in jeopardy. The 1743 retail outlets that survived RadioShack's 2015 bankruptcy were acquired by General Wireless Inc, an affiliate of Standard General LP, which, at the time, received US Bankruptcy Court approval to acquire the inventory and assume the leases of the RadioShack stores. Now down to 1,500 stores, RadioShack once boasted more than 5,000 stores nationwide. At least some of RadioShack's 5,900 employees could be affected. That figure is down from 7,500 workers 2 years ago.

"RadioShack.com, stores and dealer locations across the country are still currently open for business and serving customers," the company [said in a news release](#). "The Company is closing approximately 200 stores and evaluating options on the remaining 1,300. The Company and its advisors are currently exploring all available strategic alternatives to maximize value for creditors, including the possibility of keeping stores open on an ongoing basis."



The acquisition by General Wireless followed a bankruptcy auction in 2015. Plans at the time called for "co-branding" about 1440 of the surviving stores with cellular phone provider Sprint Corp. RadioShack also has closed more stores and slashed operating expenses by more than 20%, but it wasn't enough. CEO Dene Rogers cited weak mobile phone sales as a factor. Chapter 11 gives RadioShack another opportunity to restructure and stay in business. The retailer joins other brick-and-mortar stores forced to shutter outlets in the face of declining sales and fiscal losses, and electronics stores have been especially hard hit.

Dating its founding to 1921, RadioShack once offered a considerable array of name-brand Amateur Radio equipment — even beams and towers — along with home entertainment gear and discrete components — including transistors, resistors, and capacitors. Its iconic 1960s-era catalog ran to more than 300 pages. In later years, it sold a fairly popular 2 meter handheld transceiver for a time, as well as Citizens Band equipment, 10-meter single-banders, and shortwave receivers. RadioShack's website is announcing a clearance sale, with some items steeply discounted.

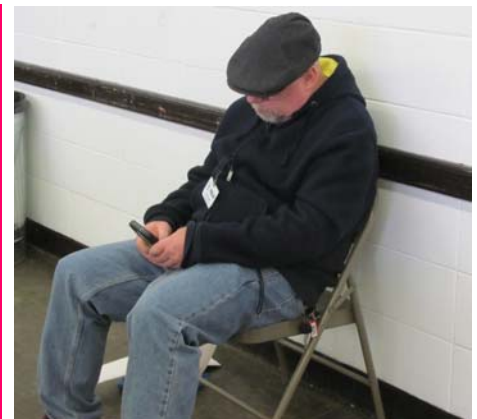
"RadioShack did more to spread the early technology culture in the US than any other commercial institution," ARRL CEO Tom Gallagher NY2RF, observed. "Its catalog was the Boys' Life of electronics."

## Space Available for 2017 Hamvention®

As of deadline, Mike Lazaroff K3AIR still has three spaces available in a suite at the University of Dayton dorms, for anyone planning on attending the 2017 Hamvention® (now in Xenia OH)

The room has been reserved for Thursday Night through Sunday morning.

If interested or for more information, contact Mike directly at [k3air@arrl.net](mailto:k3air@arrl.net)







## April 2017 Simulated Emergency Test At Heritage Reservation

Rick Bell KB3IAC

Washington, PA, March 8<sup>th</sup>, 2017 — We have been asked by Camp Ranger Wilkins at the [Heritage Reservation](#) (Boy Scouts of America) to participate in a Simulated Emergency Test at the camp in Farmington PA. The Fayette County EMS holds a drill at the camp each year in cooperation with the Rangers and staff at the camp and before the summer camping season begins. In months June through August the camp can see as many as 900 Scouts participating in various weeklong activities.

The SET is scheduled for April 28<sup>th</sup> through April 30<sup>th</sup>. Our participation would be on Saturday April 29<sup>th</sup> and for the most part be at Heritage Reservation. Fayette County EMS will be the served agency and they have indicated they would like us to participate and would work us into the scenario that they are developing. It will most likely be an all day drill on the 29<sup>th</sup> and we would be required to be on-site early AM.

If you can support this SET as a member of WASH please respond to me at [rickbell@db2-llc.com](mailto:rickbell@db2-llc.com) or [kb3iac@comcast.net](mailto:kb3iac@comcast.net) as soon as possible.

Please indicate your level of confidence in being able to attend on the 29<sup>th</sup>:

- Definite
- Probable
- Willing but not sure yet

I will have more info at a later date. Thanks!

## A Most Unique Collins Radio Company Part Number

Glen E. Zook K9STH

Richardson, TX, March 8<sup>th</sup>, 2017 — A few weeks ago, I finally had the electrical service, and the breaker panel, in my house updated. The breaker box is located in my darkroom (which has not been used to develop any film or photographs for some time). The room is now used, primarily, for storing things and I had to clean out some of the things to allow the replacement of the breaker box. Then, 2-days ago, I did some more cleaning and came across the "Earthrise" photographs :

<https://en.wikipedia.org/wiki/Earthrise#/media/File:NASA-Apollo8-Dec24-Earthrise.jpg>

Although the photograph has nothing really to do with Collins radios, my print has an actual Collins Radio Company part number assigned! In fact, the print was made from the original negative at the Photo Lab located in building 402 at the Richardson, Texas, "new" corporate headquarters (Dallas Region).

The story behind the photograph, and its having an official Collins part number, may be interesting to some. In early 1969, Art Collins somehow got NASA to loan several of the original negatives of the photographs taken by William Anders on the Apollo 8 mission, 24 December 1968.

At the time, my job, at Collins Radio Company, was as the liaison between the engineering departments and the production departments in Process Division. The Photo Lab was part of Process Division. Art had sent the negatives over to the Photo Lab to have personal copies of the photographs developed. Process Division was unique in that it had 2-Division Directors, one was "over" the engineering and production departments and one was "over" the administrative departments. One of the Directors, I don't remember which one although it was probably the administrative director since I was the 2nd level below him, found out about the negative and instructed me to have 16-inch by 20-inch copies made for the Division Vice President, both directors, and certain department managers. The director also told me that I could have a copy if I wanted it (I probably would have had one made, for myself, any way).

Art had decreed that the existence of the negatives, and the prints made from those negatives, remain a secret. Each print was put in a cardboard mailing tube and the tubes were delivered to my office for distribution. I was instructed to take each person, on the distribution list, a single print and make sure that this person was the only one to handle the mailing tube, not even the secretary of the department was to handle the mailing tube!

About a week later, the negatives were returned to NASA.

Although I was hired, right out of college for the liaison job, I had a lot of privileges and was privy to a lot of information that was not, generally, available to the vast number of employees. That was a double edged sword and I often knew, several months in advance, when a particular project was to cease and the engineers / technicians, on that project, were to be laid off and yet I could not even give those persons the slightest hint!

I was also in a position where I knew that Collins Radio Company was in trouble financially even though I got a raise every 6-months. A week after getting 2-raises at the same time, another, local, company offered me a 50% increase in salary on top of what I was now making at Collins Radio. It was a "no brainer" and I took the offer. Then, 2-weeks later, my secretary came over to the new company.



**Earthrise (NASA Image AS8-14-2383) taken on 24 December 1968 by Astronaut William Anders during the Apollo 8 mission. Photo courtesy of NASA and Wikipedia**

## New Product Showcase



Just posted on the [O'Reilly Auto Parts Web Site](#): EB Enterprises #121G Flux Capacitor "Time Travel at your own RISK!!!"

Also announced, upgrade kits available, EB Enterprises #121GMF

Price & availability to be announced; information anticipated to be about the first of next month.

For more information and details, go to <http://www.oreillyauto.com/flux-capacitor.html>



## WASH Amateur Radio Club News Briefs

Well, we thought we were going to have a "split squad" breakfast on Saturday, February 25<sup>th</sup> for those of **the WASH Breakfast Gang** who didn't want to travel south to Canonsburg, only to head back north to South Park for **WASHFEST** setup, but seems that **Suzie B's** had a power failure and were not available. So the bulk of the gang ended up at the **South Park Eat 'n Park** on **Library Road/Route 88** (across the street from South Park shops) for coffee before heading around the corner to set up tables. In attendance this month were KB3GMN, N3SBF, W3WH, K3VX, K3HCR, WA3VSS, KB3YCX, N3FB, KB3GMU and W3WN. Morning topics covered 47 inches of snow in 7 days in Maine, security certificates in Firefox, roof shoveling, towers, 76 degrees in February (and it's all downhill from here), J Pole antennas, 6C21 tubes, Voice over IP, cell phone service in rural areas, ethical questions about handicap parking placards & permits, hall rentals, cabin rentals for the fall QSO party... and oh yes, isn't there something going on tomorrow?

We'll be back on our normal schedule in March, power & light notwithstanding. So why not join us at **Suzie B's**, 950 South Central Avenue (Route 910 at the intersection of Route 519 at US 19), Canonsburg, at our usual time of 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!

**Glen's Musings:** "It was a great WASHFest, number 22! I want to thank the general ham population who made it to South Park this year, the vendors and all who participated in any way. We look forward to seeing you again next year, at South Park!" — Glen Roberts KE7FD, President, **WASH**

So for those of you who came, **what did you think of our new venue?** Like it? Dislike? What can we do better? General consensus from many of the attendees and vendors was extremely positive. There are always some kinks to work out — we have to finagle a way to get the talk-in station antenna outside the building, the directions will need a little tweaking, that sort of thing — but overall, it looks like this move is permanent. One big advantage, for our vendors at least, is that we have access to the Home Economics Building for the entire weekend, so we can permit vendors to come in on Saturday to set up, or at least (for those travelling a long way) drop things off to go get some rest. In any event, let our hamfest committee know your concerns or your kudos!

**So how'd we do overall?** As of the March meeting, Mark N3RDV didn't have all receipts, bills, and other miscellaneous after-hamfest paperwork in or completed, so we don't know the exact figures yet. We hope to have those by April's meeting. In general, though... we **again** had a sell out on vendor tables prior to Sunday. There were concerns that there would be a significant drop-off in paid attendance with the venue change (as much as 25% or more) which did **not** happen, and this despite some snow flurries on and off during the morning. The kitchen didn't sell as many breakfast items, but they also didn't have as much equipment to prepare sandwiches, which will be addressed before 2018; it still did very well. In short, while we don't know the exact numbers, it was pretty clear that our fears of a drop-off were unfounded and that we had another huge success... just not sure how huge yet!

**The club roster** shown below is as of the day before the hamfest. Updates since then, including at the hamfest and at the March meeting, will be in the April newsletter, along with all the usual items you see that were omitted from this "extra" edition (DX news, FCC news, minutes, etc.)

### Join Or Renew Your WASH Membership Today! Membership Application Page 15!

Since its return in 2009, the **Pittsburgh Marathon** has grown to include over 35,000 runners. Amateur Radio has been an important part of the marathon since the beginning, and your help is needed again for this year's event, which will run on **May 7, 2017**.

As in the past, we will be providing support to marathon medical staff. In keeping with the purpose of the Amateur Radio service, our main task is to provide emergency communications between the medical director and the various aid stations and other locations along the course, in the event regular communications channels fail. We also provide increased reliability for the most critical information and provide communications support to various medical officials. In order to accomplish this, we will staff many **positions**, including **aid stations**, **mile markers**, **shadows** for medical officials, and others. To fully cover all of these positions, we will need around 100 volunteer amateur radio operators, including you!

If you're new to the hobby or have never participated in a public service event, please don't let that stop you from joining us. We have a variety of positions for new and experienced hams alike, and will provide you with the information and support you need. This is an excellent opportunity to gain the experience needed to help out during an emergency, all while having fun and doing a service to our community.

Volunteering online is quick and easy, using the marathon's official **volunteer registration** system. We are using a first-come, first-served system in which you can select your position when signing up. So, be sure to select the job you want when submitting your registration. If you're not sure where you want to be, that's OK; just select "General Locations", and we'll find a place for you. Once you are registered, your assignment and detailed instructions will arrive in the mail in April, 2017. Note that we will **not** be holding a meeting the day before the race; details on how to obtain your T-shirt and marathon credential will be contained in your assignment packet.

-- 73, Jeffrey Hutzelman N3NHS

## 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 **Suzie 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 & 443.650 for talk-in or any last minute changes. All are welcome, **WASH** members or not, amateurs or not!

## Wireless Association of South Hills Membership

<b>2017</b>	N3SBF	N3IDH	WASH FL	WASH TN	<b>Silent Keys</b>
AA3GM	W3WH	N3KFD	KA3UPY/M	K3OL	
AB3ED	W3WN	N3RDV	W4ZE	KE3XB	AB3KA
AB3NM	WA3PYU	N3RHT	WASH NE	N3YPB	K3EED
K3HCR	WA3VSS	NU3Q	NØPEU	WASH TX	K3LIE
K3SGT	2016	W3KTW	WASH OR	NB3C	KA3NMG
K3VX	AE3DL	W3LE	NØVLR	K3LGM	KB3ENX
KA3VXM	KB3ORO	W3VFA	NØWPV	KB3JX	KB3FNM
KB3DCO	KB3RVI	W4CKR	KB3NVL	Jane Wagner	KB3FQT
KB3GMN	KC3HIK	WB4GCS	KB3NVM	WASH VI	KB3JHQ
KB3GMU	KC3HNU	WO3Z	WASH OH	NP2JF	N3CZZ
KB3IAC	KC4WTT		N8DPW		N3FZ
KB3IVX	KI5ZT				N3HKQ
KB3JHR	N3DFK				N3KEH
KC3DOF					N3OBD
KC3ELA					N3RNX
KE7FD					N3SKR
N1NCZ					N3SRC
N3FB					N3ZEL
					N3XFE
					W3ZLK
					WA3JPP

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

Through February 25<sup>th</sup>, 2017  
List compiled by  
Mark Stabryla N3RDV, Vice President/Treasurer



# Two Rivers ARC 46<sup>th</sup> Annual Hamfest

Sunday, April 23<sup>rd</sup>, 2017, 8:00 AM—2:00 PM

## The Spectrum

6001 Smithfield Street, Boston PA 15135

( Off of PA Route 48 near the city of McKeesport )

Talk-in on 146.730 — Mobile Check In 146.52

Admission \$5

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



# 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.net> or email [hamfest2017@breezeshooters.org](mailto:hamfest2017@breezeshooters.org)

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

Saturday, July 15<sup>th</sup>, 2017, 8:00 AM—12:00 PM

Parkwood Presbyterian Church

4289 Mt. Royal Blvd, Allison Park, PA 15101

Talk-in on 147.09 PL 88.5

Admission \$5

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







# 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)

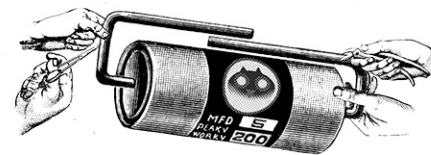
The Daily DX, 3025 Hobbs Road,  
Glenwood, MD 21738 Phone: 301-854-5650



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



**HANDMADE BY GNOMES.**





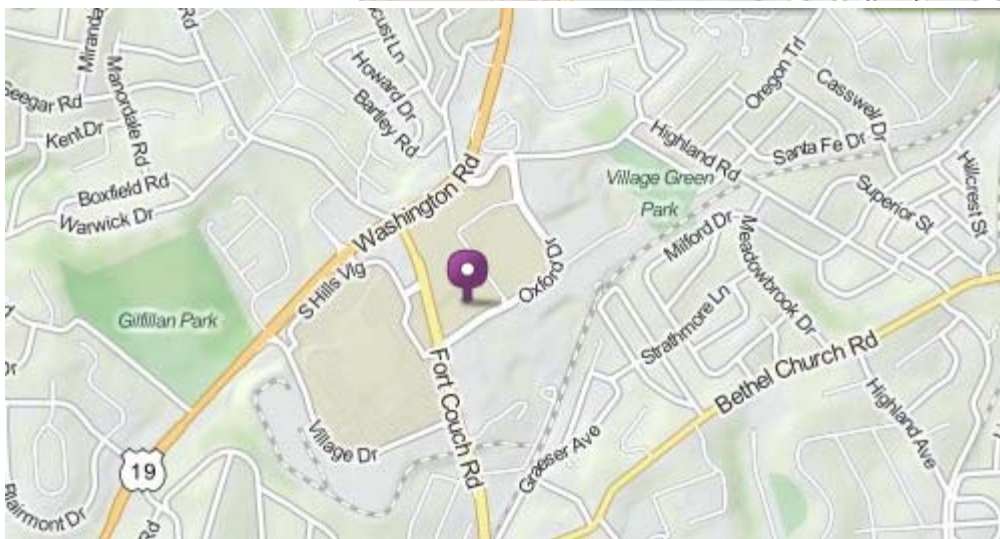
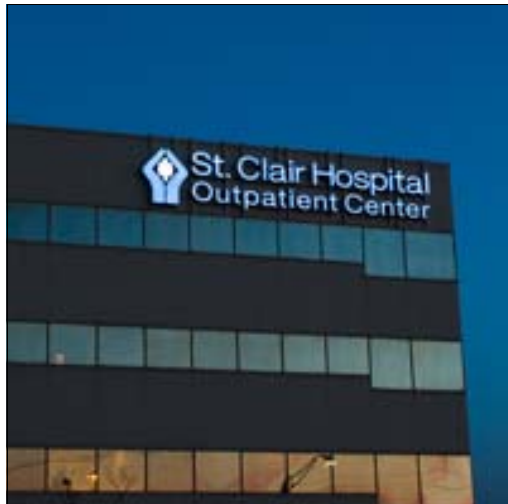
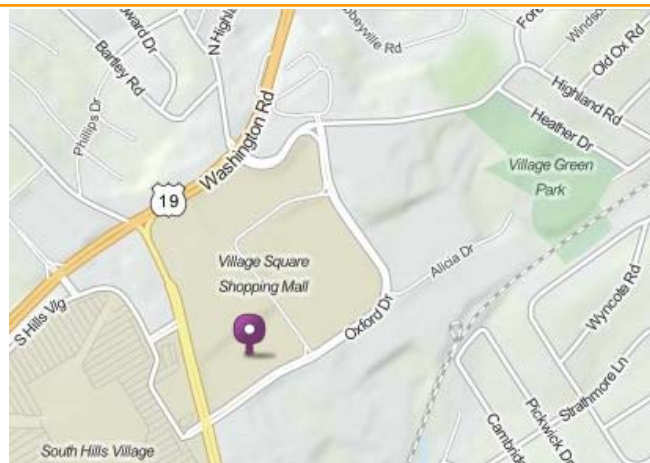
# 2017 WASH Meeting

## 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)

