



# WASHRAG<sup>TM</sup>



VOLUME 15 ISSUE 12  
DECEMBER 2013



Wireless Association of South Hills

Carol's Comments



Being President for the third time is an honor for me. We have accomplished a great deal in 2013, especially with the help of all the members of our club. 2014 will be bigger and better. Starting with our 2 meter contest on the 11<sup>th</sup> of January from 7 PM to 11 PM. Then comes our hamfest, **WASHFest** 2014, on February 23<sup>rd</sup>. And of course the pizza at our March meeting.

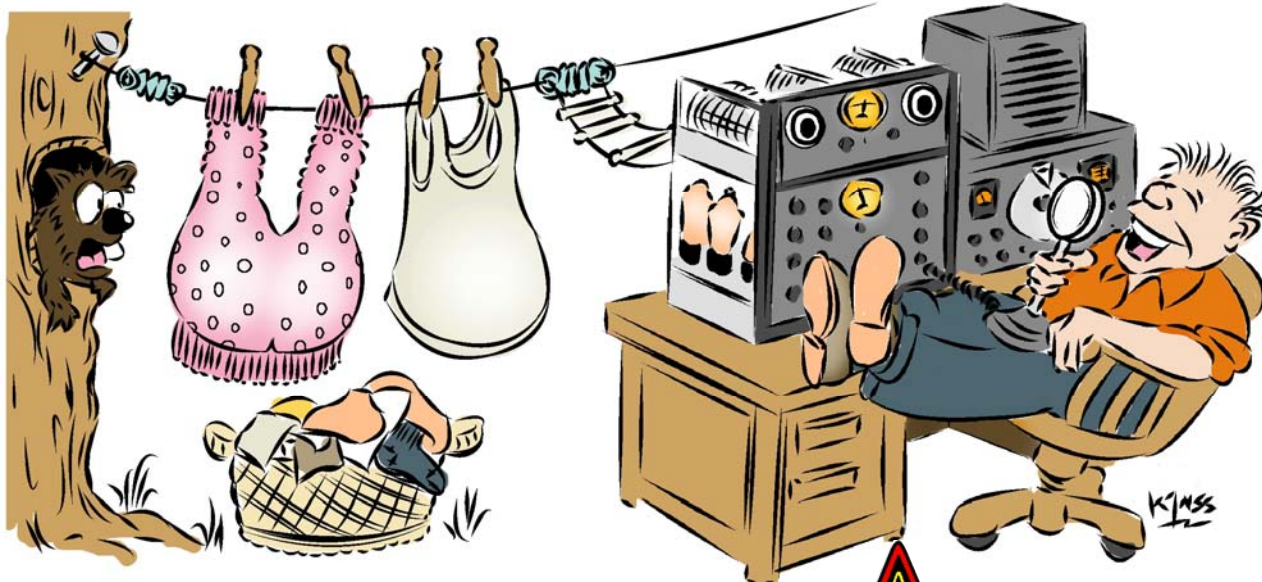
There are so many things that come up during the year. Not to mention all the things we do as a group. Between other hamfests, contests, picnics, and fox hunts, I could go on and on but then I would be rambling on and you all know how well I can do that. I am looking forward to 2014. See you at the meeting on Dec. 12<sup>th</sup>.

And with that I would like to wish everyone a very Merry Christmas and a Blessed New Year.

73, Carol Dank KB3GMN  
President, Wireless Association of South Hills  
N3SH / WA3SH / NP2SH

N3SH WA3SH NP2SH/B

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



# WASHRAG™



VOLUME 15 ISSUE 12

DECEMBER 2013

## Next Monthly Meeting: December 12<sup>th</sup>, 2013

The next meeting of the [WIRELESS ASSOCIATION OF SOUTH HILLS, INC.](#) will be on **Thursday, December 12<sup>th</sup> 2013**, at the [Nottingham Township Municipal Building](#), 909 Sugar Run Road, Eighty Four PA 15330, starting at 7:00 PM.

The Christmas/Holiday Party, 2014 2 Meter Simplex Contest, **WASHFest 2014** and other plans for the fall will be amongst the topics. See you there!

Cover photo: Jim Sanford WB4GCS climbing the N3FB/R tower on November 16<sup>th</sup>, as part of the work party to take care of some routine maintenance on the system & the grounds, before winter weather set in.

Photo courtesy of and © Copyright 2013 Sean Sleeman N3NWR

## WASH 2014 OFFICERS

### EXECUTIVE COMMITTEE:

President	Carol Danko KB3GMN
VP / Secretary	Ben Williams KB3ERQ
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 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	Sean Sleeman N3NWR
WASHFest 2014 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	Ron Notarius W3WN
Field Day 2014 Coordinators	Larry Comden K3VX
	Rick Bell KB3IAC

### CLUB-AFFILIATED REPEATERS, BEACONS, & DIGIPEATERS:

Mt. Lebanon	N3SH / R	146.955 MHz (-)	PL 131.8
Mt. Lebanon	W3SRL / 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

**Sunday** Night, 9:00 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)**

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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 of both the N3SH-W3SRL Repeater System 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

As of January 1<sup>st</sup>, the Voice of Russia, once better known as Radio Moscow, will cease shortwave broadcasts.

Most Amateurs active through the late 1980's will not so fondly remember when Radio Moscow seemed to dominate the SW 41 meter band most nights, rendering the upper 2/3 of 40 meters almost useless for domestic & international Amateur SSB communications



WASH November 2013  
Meeting photos courtesy of  
& © Copyright 2013 Ron  
Notarius W3WN

OK, so Ye Editor should look on a calendar before trying to remember when Thanksgiving and Black Friday are, like he did last month. Sorry about that. In any event, seemed like most members of the **WASH Breakfast Gang** decided to sleep in on November 30<sup>th</sup>. So it was only a handful of souls who braved all the traffic from early bird shoppers to meet up at **Suzie B's**, Route 910 at the intersection of Route 519 at 19 in Canonsburg. This month's intrepid few included W3WH, WB4GCS, KC4WTT & W3WN. The morning discussions included grilling a Turkey for Thanksgiving, dryer and hot water tank installs; brown bears, deer and coyotes; holiday travelling, missing the military, grades in school, businesses open for Thanksgiving, Sunday Blue laws, operating a Drake TR7, operating at Field Day, AMSAT and FunCube Dongles... and the rest of our scribbling is obscured by coffee stains.

Our last gathering of the year is just a few short weeks away. Come prepare to celebrate the new year with us on December 29<sup>th</sup>, at **Suzie B's**, Route 910 at the intersection of Route 519 at 19, Canonsburg. Our "usual" tables will be reserved, but please let Jim WB4GCS know ahead of time, so that he can make sure Suzy saves us enough seats! See you there!

Congratulations all around to our **2014 WASH Officers**. Back for another year, President Carol Danko KB3GMN. Another 2 year term for Mark Stabryla N3RDV as VP/Secretary. And half-way through his 2 year term, VP/Secretary Ben Williams KB3ERQ.

Reminder that the Crossroads Ministries Church **will not be available** to us this month, due to a prior commitment. The December meeting location will be at the **Nottingham Township Municipal Building, 909 Sugar Run Road, Eighty Four, PA 15330**. A map is on the back page of this newsletter, and is also available at the club web site. Yes, the distance is about 15 miles, roughly 30 minutes, give or take for most of us in the South Hills communities... but we can handle it, this one time. Keep an ear on the club repeaters for anyone who gets... misplaced.

OK, no excuses. Ye Editor couldn't get a VE date arranged in time for December. No one's fault but his. We're trying to nail down a date in early January 2014. Hope to have this finalized in time for the meeting. And our sincerest apologies. (Guess we can forget about Santa bringing us a Ten Tec Eagle...)

With 2014 fast approaching, don't forget that our **annual 2 Meter Simplex Contest** is coming up in January. Rules are in this issue. The updated contest pack (rules, entry sheet, log sheets) will be updated a day or two after this newsletter is finished, and will be sent to Sean for inclusion on the club website. Looking forward to another fun year!

And of course, **WASHFest 2014** will be here before you know it. Those of us who are amongst "the regulars" pretty much know what needs to be done... but if you're not one of us, let Carol or Bill know. There are a number of tasks that we need some help with beforehand; the day of the event, there are a few things that we need some help with (ticket sales, helping the vendors, etc.). If everyone pitches in a little, no one has to work a lot, and everyone will have a good time! Remember that this is our club's "premier" event, the one that other clubs look to, and a lot of hams look forward to. Let's make it the best possible 'fest that we can!

### WASHNet 2013 NCS Schedule

12/01/2013 Bill W3WH	12/22/2013 Larry K3VX
12/08/2013 Sean N3NWR	12/29/2013 Glen KE7FD
12/15/2013 Fred KB3DCO	2014 Sked TBD

**Join WASH or Renew your Membership for 2014 Today! Membership Application on Page 13!**

## Minutes, November 14<sup>th</sup> Meeting

Ben Williams KB3ERQ, VP/Secretary, **WASH**

Carol KB3GMN called the meeting to order at 19:11 hours. There were 19 members and guests in attendance.

The Pledge of Allegiance was recited by all, followed by introductions.

A moment of silence was observed for recent silent keys and other deserving persons.

A motion was made by Ben KB3ERQ to waive reading of the February minutes as published in the newsletter. Seconded by Glen KE7FD and carried unanimously.

### Committee reports:

**Treasurer (N3RDV):** A balance on the bank account was read & accepted. Reminder that 2014 Club Dues are due in January, please fill out an application for tracking purposes.

**Secretary (KE7FD):** No report

**VE Team (W3WN):** A few people are eager to take their exams. We're aiming for sometime next month, hopefully, at the latest. Any requests for VE tests should be forwarded to Ron. We will do limited number of exams again at **WASHFest**, time and space permitting.

**Repeaters (N3FB):** .955 is working great. Looking for help, 4—5 people for a work party at the N3FB/R site to install a new feed line, hang a dish for an internet link, and do some routine maintenance.

**WASHNet (N3NWR):** A digital net has started on Wednesday nights, 9:30 PM on the repeaters. Multiple modes are being tried. All anyone needs is a radio & a computer, all are welcome!

**WASHFest 2014 (KB3GMN, W3WH):** Prizes are done. Bill & Carol are working on the addresses. Bud N3TIR has volunteered to send out the flyers electronically if given the email addresses. 2 tables at the WACOM hamfest, as well as \$79 worth of prize tickets.

**N3SH.ORG (N3NWR):** Sean is ready to "throw the switch" on moving the reflector from Google Groups to Yahoo Groups. This should happen after the meeting tonight. Short discussion on who should be in the new Google Groups besides current paid club members. WASHFest 2014 flyer is updated on the web site.

**Contests (K3VX):** Club's 2 meter simplex contest is coming up.

**Public Service (N3RDV):** No report.

**Ways and Means:** 50/50 tonight.

**Newsletter (W3WN):** Out.

**President's Report (KB3GMN):** Carol would like to see more involvement from club members on the Sunday weekly net. Request made to Rick to see if the Bylaws Committee had come to an agreement on proposed changes.

**Old Business:** None

### 2014 Officer Elections:

- Nominations for President reopened. No new candidates. Motion by Ron W3WN, second by Glen KE7FD, to close nominations & for the secretary to cast 1 vote for Carol KB3GMN. Passed unanimously.
- Nominations for Vice President/Treasurer reopened. No new candidates. Motion by Ron W3WN, second by Glen KE7FD, to close nominations & for the secretary to cast 1 vote for Mark N3RDV. Passed unanimously.
- Round of applause to congratulate our 2014 officers.

**New Business:** Due to a conflict, the church will not be available for the December meeting. Jim WB4GCS has arranged for us to meet at the Nottingham Township Municipal Building in 84, PA. Maps and directions will be placed on the web site and in the December newsletter.

**Good of the order:** Jan KB3IVX announced the details for the annual Christmas/Holiday party, and passed out flyers. (Information is on Page 8)

Glen KE7FD asked if an announcement for the new Wednesday digital net could be played on the repeater. Harold K3HCR mentioned that the upcoming episode of Last Man Standing will feature "Tim" operating "KAØXTT". Carol KB3GMN mentioned that **WASHfest's** 20<sup>th</sup> anniversary is coming up, do we want to do something special to mark it (shirts, jackets hats?) Mark N3RDV mentioned that Chuck WC3C is a Silent Key, viewing this Sunday.

Motion to Adjourn by Ron W3WN, second by Glen KE7FD and carried.

Meeting adjourned at 19:58 hours.

## WASH Spotlight: Presents?



Wanted a mobile screwdriver antenna from Santa? Be careful what you ask for...

Photo attributed to John Martin KF8KK

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 **The Beach House**, on Route 88 in Finleyville, just south of Trax Farms and adjacent to Mineral Beach. 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

2014				WASH FL		WASH OH		Silent Keys
KØLIN	KB3TOA	N3YJJ	N7TDX	KA3UPY/M	N8DPW			
KB3ERQ	KB3YCX	N9SOJ	N9SOJ	W4ZE		WASH SC		AB3KA
KB3GMU	KB3YKL	NY9H	NY9H	WASH GA	N3RNX			K3EED
N3FB	KB3ZCX	W3LE	W3LE	K3OL		WASH TN		K3LIE
N3RHT	KC3ANX	W3RWS	W3RWS	KB3IJX	KE3XB			KA3NMG
	KC4WTT	W3VFA	W3VFA	WASH ID	N3YPB	WASH TX		KB3ENX
AB3ED	KE7FD	W3WH	W3WH	N3ZNI		K3LGM		KB3FNM
AB3KA	KJ3D	W3WN	W3WN	WASH NE		Jane Wagner		KB3FQT
AE3DL	N2QIV	W4CKR	W4CKR	NØPEU		WASH VI		N3FZ
K3GW	N3AWF	WA3BOJ	WA3BOJ	WASH OR		NP2JF		N3HKQ
K3HCR	N3BPB	WB4GCS	WB4GCS	NØVLR				N3KEH
K3SGT	N3DFK	Vincent	Vincent	NØWVP				N3OBD
K3VX	N3IDH	Polis	Polis	KB3NVL				N3SKR
K3WJL	N3NWR	Darryn	Darryn	KB3NVM				N3SRC
KA3TWI	N3OVO	Sleeman	Sleeman					N3ZEL
KB3DCO	N3RDV	Houston	Houston					N3XFE
KB3GMN	N3SBF	Westfall	Westfall					W3ZLK
KB3GMP	N3TIR							WA3JPP
KB3GUZ								
KB3IAC								
KB3IVX								
KB3JHR								



Through December 9<sup>TH</sup>, 2013

List compiled by  
Mark Stabryla N3RDV, Vice President/Treasurer

# 2013/2014 WASH Upcoming Events Calendar

*Meeting Topics & Other Significant Club Events — Subject to Change*

December 6 <sup>th</sup> —8 <sup>th</sup>	ARRL 160 Meter Contest	<a href="http://www.arrl.org">http://www.arrl.org</a>
December 12 <sup>th</sup>	<i>WASH</i> Meeting	Nottingham Twp. Municipal Building
December 14 <sup>th</sup> & 15 <sup>th</sup>	ARRL 10 Meter Contest	<a href="http://www.arrl.org">http://www.arrl.org</a>
December 22 <sup>nd</sup>	ARRL Rookie Roundup CW	<a href="http://www.arrl.org">http://www.arrl.org</a>
December 31 <sup>st</sup>	Straight Key Night	<a href="http://www.arrl.org">http://www.arrl.org</a>
<b>2014</b>		
January 6 <sup>th</sup>	Kid's Day	<a href="http://www.arrl.org">http://www.arrl.org</a>
January 9 <sup>th</sup>	<i>WASH</i> Meeting	@ Crossroad Ministries Church
January 10 <sup>th</sup>	<i>WASH</i> Christmas/Holiday Party	Tambellini's Restaurant, Bridgeville
January 11 <sup>th</sup>	<i>WASH</i> 2 Meter Simplex Contest	<a href="http://www.n3sh.org">http://www.n3sh.org</a>
January 19 <sup>th</sup>	Breezeshooter's Groundwave PSK31	<a href="http://www.breezeshooters.net">http://www.breezeshooters.net</a>
January 19 <sup>th</sup> — 21 <sup>st</sup>	ARRL January VHF Contest	<a href="http://www.arrl.org">http://www.arrl.org</a>
February 13 <sup>th</sup>	<i>WASH</i> Meeting	@ Crossroad Ministries Church
February 11 <sup>th</sup> -15 <sup>th</sup>	ARRL School Roundup	<a href="http://www.arrl.org">http://www.arrl.org</a>
February 15 <sup>th</sup>	Breezeshooter's Groundwave CW	<a href="http://www.breezeshooters.net">http://www.breezeshooters.net</a>
February 15 <sup>th</sup> — 16 <sup>th</sup>	ARRL DX Contest CW	<a href="http://www.arrl.org">http://www.arrl.org</a>
February 23 <sup>rd</sup>	<i>WASH</i> Fest 2013	<a href="http://www.n3sh.org">http://www.n3sh.org</a>
March 1 <sup>st</sup> —2 <sup>nd</sup>	ARRL DX Contest SSB	<a href="http://www.arrl.org">http://www.arrl.org</a>
March 13 <sup>th</sup>	<i>WASH</i> Meeting	@ Crossroad Ministries Church
March 15 <sup>th</sup>	Breezeshooter's Groundwave SSB	<a href="http://www.breezeshooters.net">http://www.breezeshooters.net</a>
March 29 <sup>th</sup> — 30 <sup>th</sup>	CQ WPX Contest SSB	<a href="http://www.cqwpw.com">http://www.cqwpw.com</a>
April 10 <sup>th</sup>	<i>WASH</i> Meeting	@ Crossroad Ministries Church
May 8 <sup>th</sup>	<i>WASH</i> Meeting	@ Crossroad Ministries Church
May 16 <sup>th</sup> —18 <sup>th</sup>	Dayton Hamvention	<a href="http://www.hamvention.org">http://www.hamvention.org</a>
June 1 <sup>st</sup>	Breezeshooter's Hamfest	<a href="http://www.breezeshooters.net">http://www.breezeshooters.net</a>



# ARRL Files "Symbol Rate" Petition with FCC

American Radio Relay League

Newington, CT, November 20<sup>th</sup>, 2013—The ARRL has asked the FCC to delete the symbol rate limit in §97.307(f) of its Amateur Service rules, replacing it with a maximum bandwidth for data emissions of 2.8 kHz on amateur frequencies below 29.7 MHz. The ARRL Board of Directors adopted the policy underlying the petition initiative at its July 2013 meeting. The petition was filed November 15<sup>th</sup>.

"The changes proposed would, in the aggregate, relieve the Amateur Service of outdated, 1980s-era restrictions that presently hamper or preclude Amateur Radio experimentation with modern high frequency (HF) and other data transmission protocols," the League's petition asserted. "The proposed rule changes would also permit greater flexibility in the choice of data emissions." Symbol rate represents the number of times per second that a change of state occurs, not to be confused with data (or bit) rate.

Current FCC rules limit digital data emissions below 28 MHz to 300 baud, and between 28.0 and 28.3 MHz to 1200 baud. "Transmission protocols are available and in active use in other radio services in which the symbol rate exceeds the present limitations set forth in

§97.307(f) of the Commission's Rules, but the necessary bandwidths of those protocols are within the bandwidth of a typical HF single sideband channel (3 kHz)," the ARRL's petition pointed out.

The League said that while bandwidth limitations are reasonable, the symbol rate "speed limit" reflective of 1980s technology, prohibits radio amateurs today from utilizing state-of-the-art technology.

Present symbol rate limits on HF "actually encourage spectrum inefficiency," the League argues, "in that they allow data transmissions of unlimited bandwidth as long as the symbol rate is sufficiently slow." The League said eliminating symbol rate limits on data emissions and substituting a "reasonable maximum authorized bandwidth" would permit hams to use all HF data-transmission protocols now legal in the Amateur Service as well as other currently available protocols that fall within the authorized bandwidth but are off limits to amateurs.

The League said it's been more than three decades - when the Commission okayed the use of ASCII on HF - since the FCC has evaluated symbol rate restrictions on radio amateurs as a regulatory matter. "The symbol rate restrictions were created to suit digital modes that are no longer in favor," the ARRL noted in its petition.

Modern digital emissions "are capable of much more accurate and reliable transmissions at greater speeds with much less bandwidth than in 1980."

As an example, the League pointed to PACTOR 3, which is permitted under current rules, and PACTOR 4, which is not. Despite PACTOR 4's greater throughput, both protocols can operate within the bandwidth of a typical SSB transmission.

"If the symbol rate is allowed to increase as technology develops and the Amateur Service utilizes new data emission types, the efficiency of amateur data communications will increase," the ARRL concluded.

ARRL General Counsel Chris Imlay W3KD, has emphasized that there is no broader plan on the League's part to seek regulation by bandwidth.

The FCC has assigned RM-11708 to the League's petition. Comments are due by December 17<sup>th</sup>.

## ...and what does it all mean?

Since the ARRL's petition, now RM-11708, was filed, there has been a lot of misinformation about what exactly is involved, and what it means for most of the US Amateur Radio community. Many posts

have been made to email reflectors or to public web site forums, showing that there is much confusion about what this is all about.

There are two key portions to the petition. One is regarding the maximum bandwidth for digital signals; the other is requesting that the baud rate limits be dropped. Some individuals reading the petition believe, incorrectly, that the baud rate is being swapped for the bandwidth limit. That is simply not true.

First off, FCC §97.307(f)(2) currently reads that a "non-phone emission" can't exceed the bandwidth of "a communications quality phone emission." In other words, to put it in plain English... on HF, the maximum bandwidth of a digital signal can not exceed the bandwidth of an SSB transmission. So, how wide is a "communications quality" SSB transmission? 3 kHz.

So: The petition is merely requesting that §97.307(f)(2) be written to a specific maximum bandwidth of 2.8 kHz... slightly less than what is currently permitted.

The second portion refers to the transmission speed, that is to say, the baud rate currently permitted within the Amateur Service. On HF, the pertinent portions of §97.307(f) are sub-paragraphs (3) and (4). Depending on the digital sub-band in question... from §97.305, in case you were wondering... if (f)(3) is enforce, the maximum rate is 300 baud. If (f)(4) is enforce, it's 1200 baud. There are higher rates permitted on VHF, UHF and higher, but there are still limits.

Now, think about that for a moment... the maximum data rates on HF are equivalent to telephone modem rates that were obsolete 15 to 20 years ago. But only in the US; higher data rates are being used in most other countries around the world. And because of these artificial data rates, which date back to the days when running ASCII on the Amateur bands was considered close to cutting-edge, new digital communication modes are being developed and implemented everywhere else... and US amateurs are shut out. By obsolete regulations.

The big fear that seems to be coming from many is that "wide digital" signals and new communication modes will overrun the digital sub-bands, pushing the narrow-mode users (PSK-31 etc.) out. Now, there's no reason to assume that this will happen... it might, but there's nothing to guarantee that it will. We don't even know what these new modes might be. Nor do we know if, down the road, an increase in digital modes and digital users might mean it's time to re-allocate the various HF sub-bands. So yes, it's a risk, it's possible. But we don't know.

PACTOR IV is frequently mentioned as a specific case. PACTOR has been an accepted Amateur mode for many years, with PACTOR I & PACTOR II in someone wide use. However, PACTOR III requires an expensive proprietary modem, costing several hundred dollars. PACTOR IV runs at higher baud rates... but it too requires an expensive proprietary modem, so there's no guarantees that it will be accepted or adopted for Amateur use at any time in the near future.

Another bogeyman appears to be fears of automated digital stations, in particular many of those in the WinLink network. There are some issues with automated stations "drifting" out of the band segments which, by law, they are supposed to be restricted to. This coupled with claims by some of those running these stations that when someone connects to them, the stations are no longer under automatic control and therefore the rules don't apply to them anymore. These are serious issues. But opposing this petition won't fix them. IMHO, the real cause is either a deliberate misunderstanding of the rules... on the lines of "gee, officer, I didn't know there was a speed limit sign there!" on a traffic stop... or a loophole. Either way, the pertinent rules need to be adjusted and enforced. Opposing this petition won't change either the problem or the obvious solution.

There are also fears that this is all really a "smoke screen" for some unknown 3<sup>rd</sup> parties to use this all as a springboard to use Amateur Radio frequencies for commercial purposes. This is an old fear that involves a very small group of people who, rather than pay a lot of money to use a commercial protocol called SailMail on commercial frequencies, allegedly are using the Amateur version, WinMail, to avoid the SailMail fees. Again, this is a real issue... but it has little if anything to do with this petition. And it is a concern that needs to be addressed... but opposing this petition won't do that.

All I ask is this: Read the petition. Read the rules that they're asking to update. Decide if you agree or disagree, with RM-11708, in whole or in part, based on how you read the rules... not on what someone else tells you it "really" means. Then file your comments with the FCC by the December 17<sup>th</sup> deadline.

Yours. Not someone else's.

—73, Ron Notarius W3WN

## November Vacation in the Outer Banks

Bill Hill W3WH

If you are scratching your head wondering why anyone would go to the beach in North Carolina in November... you might be right.

On the other hand, my XYL has always wanted to spend a couple of weeks at an oceanfront cottage. After talking about it we decided "why not? We have the time this year, so let's do it!" As it turned out the weather was decent, certainly not balmy, but it didn't snow either in the two weeks we were there. We only had a couple of days that were bad and that was because of high winds. The rest the time it was very pleasant. It was obviously too cold to go in swimming, but we walked on the beach, read books, explored the Outer Banks, and relaxed. We also had an exceptional meal at Owens Restaurant.

I also brought along some ham gear, in the hope that I could erect a reasonable antenna, and spend a little time on the air while there, 200 feet from the ocean. One of the things I brought along was a 33 foot collapsible fiberglass mast, which I strapped to the deck railing. Using it, I erected an inverted L antenna and tried to install a few radials to go with it. Well it worked, sort of, but I wasn't especially happy with it. Also included in my bag of tricks was an old Carolina Windom that had broken in a couple of places. I got it out and patched it together and replaced the inverted L with it. It actually worked fairly well.

I really didn't spend too much time on the air, but I was on for a little while each day, and enjoyed working DX, stateside contacts and even some QRP. Among the prefixes I worked were 3B9, T31, KH6 and many others. The rig I brought along was the Ten Tec Eagle, which performed very well at 100 Watts, and also running QRP at five Watts. I really didn't notice a significant advantage to being at Oceanside. I'm sure the edge was there, but I seem to be able to work the same prefixes easily enough from home as well as I did there. Probably the most memorable contact for me was I was able to check into the Sunday morning RACES net on 75 meters. I really did not expect them to hear me but it turned out to be no problem.

If anyone reading this ever gets the opportunity to go to the beach in the off-season, I would highly recommend it. It was not deserted; most businesses including restaurants were open for customers, and you can visit places like the Cape Hatteras lighthouse without crowds. All in all a good time was had by all, even our dog Little Guy was happy there.

See you at the next meeting.



The FCC has authorized the Maxim Memorial Station W1AW to also use the call sign **W1ØØAW** during 2014, the ARRL's centennial year. Contacts made from the **Maxim Memorial Station** in Newington, from regional Centennial conventions, and during the **IARU HF Championship** will use W1ØØAW, with portable designators as appropriate. The "**W1AW WAS**" operations throughout 2014 from each of the 50 states will use W1AW, *not* W1ØØAW.

Bulletins and code practice transmissions during 2014 also will still use W1AW. Contacts with W1ØØAW will be worth 100 points in the **ARRL Centennial QSO Party**. To help kick off the ARRL Centennial, special W1ØØAW activity will begin at 0500 UTC on January 1, 2014 (midnight in Newington), and will include participation in ARRL's **Straight Key Night**; one CW station will use Hiram Percy Maxim's straight key. Activity will continue throughout New Year's Day.

The ARRL Centennial QSO Party is a year-long operating event that celebrates hams making contacts. In the end you will have accumulated points, worked new stations and made new friends all over the world. W1AW will be on the air from every state and most territories, and it will be easy to work WAS working only **W1AW portable operations**. This is the first ARRL-sponsored operating event where every member is worth at least one point, so work as many points as you can during 2014! Earn awards based upon points, working all states or working W1AW portable in every state and territory. This is an on-the-air event like no other.

Complete rules available at <http://www.arrl.org/centennial-qso-party>







## Wireless Association of South Hills Holiday Party

Friday, January 10<sup>th</sup>, 2014, 6:30 PM to 9:00 PM

Tambellini's Restaurant, 413 Railroad Street, Bridgeville PA 15017

### *Dinner Buffet*

Chicken Picatta	Boston Scrod
Scalloped Potatoes	Ziti with Meat Sauce
Salad	Rolls & Butter
Cash Bar	Dessert

**\$20 per person**

RSVP by Friday, January 3rd 2014 to Jan Bell @ DBS2-llc.com (724) 884-0394

Payment to Jan Bell    Checks Payable To: Wireless

Association of South Hills



A few more views of the work being done on N3FB/R on November 16th.  
Photo courtesy of and © Copyright 2013 Sean Sleeman N3NWR



# Announcing the Fourteenth Annual WASH 2Meter Contest!

This January will mark the Fourteenth Annual **WASH** 2 Meter Contest. We've already had a lot of interest in it, and this year promises to be even more exciting!

Everyone who participated in it the last thirteen years had a blast, and we hope to continue the tradition again this year!

**Please review this year's rules carefully.** After evaluating feedback from participants the last two years, **we made some changes and additions last year** that we hope will really generate some interest! There may be some additional "tweaking" of the rules between now and January, so keep an eye on this column in the next few newsletters, and we'll look forward to seeing you on the 11<sup>th</sup>!

**Date & Times:** Saturday, January 11<sup>th</sup>, 2014 from 7 to 11 PM EST.  
(That's January 12<sup>th</sup> 0000-0400 UTC to the purists!)

## Objectives:

- To make as many contacts as possible
- To have fun!

**Band, Mode & Frequencies:** The contest will take place solely on 2 meter band.

- **FM** : FM simplex only, no repeater contacts. The FM frequencies are all standard 2 Meter simplex frequencies, as per the ARRL 2 Meter Band Plan, every **15 kHz**, from **146.505 to 146.595 MHz**, and **147.450 to 147.580 MHz**. Use of simplex frequencies in the "FM Experimental Simplex" band of 145.510 to 145.670 are not recommended. See list of recommended simplex channels at the end of the rules.
- **CW**: 144.05 to 144.1 MHz Only. (See ARRL 2 Meter band plan)
- **SSB & AM**: 144.2 to 144.275 MHz Only. (See ARRL 2 Meter band plan).
- **Digital (including RTTY)**: 144.51 to 144.55 MHz. (See ARRL 2 Meter band plan) Multiple digital modes may be used, and participants are free to use any generally accepted Digital mode, but only ONE Digital QSO with a given station regardless of mode

→ *Note: Listen for CW QSO's around 144.1 MHz 15 minutes after the hour*

→ *Listen for SSB & AM QSO's around 144.2 MHz 30 minutes after the hour*

→ *Listen for Digital QSO's around 144.51 MHz 45 minutes after the hour*

In the event of accidental QRM with nets and non-contest QSO's in progress, please respect their right to the frequency and QSY.

**Power Limit:** Maximum 100 watts output.

**Exchange** : Callsign, contact number, ZIP Code.

For the purposes of the contest, the 5 Digit ZIP Code for your location is sufficient — do not use the "Zip +4" code. Mobiles and portables should use the ZIP code of their location as determined to the best of their ability. Canadian stations will use their 6 digit postal code

**Example 1:** "N3ZCG from W8XK, please copy Number 3, 15347."

**Example 2:** "K3VX from K3CM, please copy Number 21, 16801"

**Example 3:** "W3WH from W3OC, please copy Number 7, 15137"

**Contacts** : Work as many different calls and locations as possible, giving Exchange as noted above. Work each station **once** per mode, and **once** per ZIP Code — Mobiles can be reworked whenever they change locations. Remember hilltops work best!

**Disqualification:** Remember, this is a friendly "for fun" contest. Stations may be disqualified for infractions of the rules and for unacceptable operating practices. While not an inclusive list, stations may be disqualified for:

- FM signals transmitted on simplex channels below 146.505 MHz.
- Intentional interference to non-contesters, nets, & QSO's
- Intentional interference to other contest operators
- The committee reserves the right to verify QSO's. QSO's that can not be verified may be removed from the log without penalty.

**Scoring:** Each Contact: **Phone** (FM, SSB, AM): 1 point  
**CW**: 2 points  
**Digital** (any mode): 2 points

**Multipliers:** Locations (Number of different ZIP Codes)

**Power:** Stations running 10 watts output or less: 3

Stations running over 10 up to 30 watts output: 2

Stations running over 30 watts output: 1

**Final Score:** Total Points x Locations x Power

**After the Contest:** Fill out all the log information. In the upper left corner check whether "base" or "mobile." In the upper right corner be sure to enter your callsign and club affiliation (or "none" if not a member of any club). Please number all log sheets consecutively. Log sheets can be downloaded from the **WASH** web site, [www.n3sh.org](http://www.n3sh.org), no later than January 1<sup>st</sup>.

**Submit Log Sheets:** Check your log sheets carefully for dupes. Verify that all information is entered.

Send the logs to: WASH 2 Meter Simplex Contest  
c/o Ron Notarius W3WN  
3395 Rosewood Drive  
Castle Shannon, PA 15234-2546

Enclose a #10 SASE for return of results.

Entry Deadline: February 1<sup>st</sup>, 2014

**Each log submitted on or before the deadline will receive one (1) main prize ticket to **WASHFest 2014** on February 23<sup>rd</sup>**

Logs submitted with an SASE will have their ticket mailed to them, otherwise, the tickets will be available at the **WASH** Club table

## Recommended FM Simplex Frequencies:

After the first year of the contest, we found that the limited number of frequencies suggested in the rules were insufficient for the activity level. In subsequent years, we permitted use of any recognized simplex frequency, as per the ARRL recommended guidelines published in the annual ARRL Repeater Directory and other sources, above 146.520 MHz.

You will note that many of these frequencies are listed as potential dual use, with a "local option" for them to be used for repeater inputs and outputs.

After discussions with Frank Bobro N3FB, Repeater Coordinator for the Western Pennsylvania Repeater Council (WPRC), we have determined that the following simplex frequencies are recommended for use. Use of those that are "dual use" are not expected to cause issues for any known repeaters.

Remember that good amateur practice indicates that should a contest participant be notified that they are inadvertently causing interference to a coordinated repeater that is using a recognized simplex channel, they should immediately cease use of that frequency in favor of, and out of respect for, the existing repeater.

The following list of recommended frequencies are recognized as standard simplex channels and should not suffer from co-channel problems with any existing repeaters:

146.505 MHz	146.580 MHz	147.510 MHz
146.520 MHz (*)	147.450 MHz	147.525 MHz
146.535 MHz	147.465 MHz	147.540 MHz
146.550 MHz	147.480 MHz	147.555 MHz
146.565 MHz	147.495 MHz	147.570 MHz

Simplex channels below 146.505 MHz are not to be used, as many of these are in use in WPA as repeater input frequencies.

(\*) The National Simplex Frequency, 146.520 MHz, may be used. However, many stations use 52 for casual conversation or as a calling frequency. If the frequency is in use or becomes used by non-participants, please permit them to use the frequency unimpeded.

To avoid interference to other contestants and other users of the bands, please do not operate on 5 or 10 kHz "offsets" from these recognized FM channels.

Bottom line: Enjoy the contest, but do so responsibly.



N3FB/R November 16<sup>th</sup>.  
Photo courtesy of and ©  
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N3NWR

# 160 Meter Yagi Collapses

Jarmo J. Jaakola, OH2BN [jarmo.jaakola@luukku.com](mailto:jarmo.jaakola@luukku.com)

While driving to the Arctic region north of the city of Oulu at 65 degrees North, you will now find the wintry landscape more naked than before. Something is missing from the landscape, a reflection of the challenges facing the stormy and icy North. Sorrow has descended on the population of the village of Arkala.

It was the recent storm Oskari creating gusts of up to 68 knots (78MPH) that not only knocked down the massive 330ft (100m) 40+ ton 160/80M array but also left 200.000 homes in Finland without electricity. The mammoth structure collapsed peacefully, not hitting any of the other six towers, not hurting people or damaging buildings.

As professional engineering efforts had up to now ensured the survival of this 5-year old structure, inspectors are busy trying to evaluate the cause of the failure. It is suspected that automation designed to enable the array to find its most comfortable position in high winds somehow locked up and caused the structure to corkscrew. Consequently the giant crumbled down on its on base just like the WTC building in those other sad years.

But life goes on at Radio Arcala at OH8X and you may soon hear Santa Claus from the North of Finland bringing you the joy of Christmas in the form of OF9X, beaming over the North Pole on 20 meters and capitalizing on the famous Polar Path during the Holiday Season.

Thank you for your interest in Radio Arcala and many of its unforgettable endeavors. In summary, we would like to share with you this short poem and these consoling words of wisdom from the late Professor Hugh Cassidy, WA6AUD:

"The grief we feel we cannot tell. A sad day it was as our tower fell."

Les WF5E has been battling health issues, including Parkinsons Disease, for quite some time. In addition, his wife recently passed.

He has announced on his web page that he has retired from his QSL forwarding service, turning it over to K3FN.

Due to the Log Book of the World and OQRS that has cut into my business over 80 Percent. With the cost of postage going up here and overseas I no long am breaking even I am losing money. After 25 years I feel its time to retire.".....

Thanks to all you who supported me through the years and I will miss everyone and pray for me as I start this difficult transition.

Les Bannon WF5E

The K3FN QSL Service started on November 1<sup>st</sup>. More information can be found at <http://www.airmailpostage.com>



## DX News Briefs



The **VK9MT** Mellish Reef DXpedition remains on track for 28 March - 9 April 2014. They plan to have up to 6 stations QRVF at one time. They plan to be working split only, 1 - 10 up on CW, 5 - 15 up on SSB. They plan to be on 14.280 & up for US Generals. More information available at <http://www.vk9mt.com> QSL via MØURX or OQRS — VK9MT

G3WIP's operation as **VKØGB** from Casey Station, AN has ended. His wife became ill & was taken back to the UK, ending his stay as well — DX World

DL5XL will be QRV from Neumayer Station III, AN, as **DL1POL** 20 December - 8 February. He will be primarily CW but will try some SSB & digital modes as timer permits. QSL via DL1ZBO — DL5XL

DH1HB will be QRV from Neumayer Station III, AN as **DPØGVN** through February 2015, as time permits. QSL via DL5EBE — DH1HB

E21EIC will be QRV as **XWØYJY** 12 - 17 December, 80 - 10 m CW only. He will be QRV in the ARRL 10 meter contest. QSL via E21EIC — E21EIC

JG8NQJ plans to return to Minami Torishima as **JD1/JG8NQJ** 16 December - 18 March, during his spare time. Look for him primarily on 10 12 15 & 17 CW, with some SSB. Online log at <http://dx.qsl.net/cgi-bin/logform.cgi?jd1-jg8nqj> . QSL via JA8CJY — JG8NQJ

RW3RN & UA3HK/ZS1OIN will be QRV as **R12ØANT** from Bellingshausen Station, South Shetland Islands 17 - 31 December. Look for them primarily on 20 meters CW & SSB. QSL via RW3RN — RW3RN

M6CFW plans activity as **XU7AEU** 9 - 14 January, PSK & SSB. QSL via M6CFW — M6CFW

K8PGJ will be **ZF2PG** 11 - 19 January, focusing on 10 ,12 & 17 meters. QSL via K8PGJ — K9PGJ

VK4WR & VK4FI will be QRV as **E6RQ** & **E6SG** through 17 December. QSL both calls via VK4FI — DX World

DK1MA & DK1AX will be QRV as **A35AX** 24 February - 7 March, from both OC-049 & OC-064. Operation will be holiday style on CW, SSB & RTTY. QSL via OQRS — DX World

6 UK ops will be ARV from OC-114 in the **FO Austral Islands** 20 March - 1 April, CW SSB & RTTY, on all bands. They plan to run up to 3 stations. Call & web site for more info to be announced. QSL via G3TXF — G3TXF

LW9EOC will be QRV from San Andres as **HKØ/LW9EOC** 18 - 25 April, 80 - 10 meters, CW & SSB. QSL via LW9EOC — DX World

## QSL Routes

5H1DX via DF8DX — W3AWU	M5B via G3TXF — W4DN
7Q7VB via UA4WHX — HAØHW	OJØR via G3TXF — W4DN
8P5A via NN1N — JA1HGY	OR2A via ON1DX — ON1DX
8R1A via W1CDC — JA1HGY	OX5YL via PA5YL — JA1HGY
9J2VB via UA4WHX — HAØHW	S21ZBB via IK2VUC — VE5RA
C91VB via UA4WHX — HAØHW	S21ZBC via IK2VUC — VE5RA
CN8IG via EA7FTR — TA3J	T32AU via VO1MX — JA1HGY
D6ØVB via UA4WHX — HAØHW	TI5W via N3YIW — JA1HGY
D44TXT via JF1HJZ — JA1HGY	TMØSM via F5CWU — JA1HGY
E51AAR via K7AR — E73Y	V51VV via UA4WHX — HAØHW
E6AY via JA1JQY — JA1HGY	XW1YC via W5UE — ON1DX
FO/KHØPR via JJ8DEN — WA3FRP	YN2PX via A15P — JA1HGY
FO/UT6UD via UT6UD — PAØWRS	Z21DXI via SP5UAF — E73Y
FT5ZB (1988) via F3CJ — N4RJ	ZC4LI via G3SWH — G3SWH

## Silent Keys



Thomas S. Tully AB3KA, 82, Bethel Park, November 11<sup>th</sup>, 2013

Thanks to the NJDXA DX News & DX Chat Reflectors, the DX-QSL Reflector, 425 DX News, OPDX News, DX World.Net, ICPO Bulletin, & ARRL DX Bulletin for our DX News information. Thanks also to Bill Moore NC1L / 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.

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Canonsburg, PA 15317-0201

Toll-Free 1-800-545-8881

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

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Antenna Zoning or PRB-1 Issues?

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

Murrin, Taylor, Flach, Gallagher & May

110 East Diamond Street, Butler PA 16001

Phone: 724-282-3141 [mlazaroff@murrinlaw.com](mailto:mlazaroff@murrinlaw.com)

Custom Decals, Signs, Plaques and Woodworking from **Randy George N3ZK**

More information at his web site, Randy George Woodworking <http://www.randygeorgewoodworking.com/>

See his eBay store for special deals at [http://stores.shop.ebay.com/Randy-George-Custom-Signs\\_W0QQ\\_armrsZ1](http://stores.shop.ebay.com/Randy-George-Custom-Signs_W0QQ_armrsZ1)



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)



**Industry Canada** has issued an experimental radio license to the **Marconi Radio Club of Newfoundland (VO1MRC)**.

Experimental station **VX9MRC** has been endorsed to conduct transmissions on 472-479 kHz for just two days — December 14 and 15 — to call attention to the potential new Amateur Radio band there and to the role ham radio plays in emergency communication.

"A special message from Bauline, Newfoundland, Mayor Christopher Dredge will be sent on CW on 478 kHz as a beacon transmission on these days," said Joe Craig VO1NA, a low-frequency enthusiast. "Those receiving the message are invited to forward it to their respective municipal representative."

Delegates attending the 2012 World Radiocommunication Conference (**WRC-12**) approved the secondary allocation between 472-479 kHz for the Amateur Radio Service.

Industry Canada has proposed creating a new MF Amateur Radio band at 472-479 kHz on a secondary basis. Last year the ARRL asked the FCC to carve out the same band for US hams.

In November 2012 the FCC released a **Notice of Proposed Rule Making and Order** (ET Docket 12-338) proposing the creation of a new LF ham band at 135.7 to 137.8 kHz. Canadian hams already have such an allocation.

**Has Roadway found the tower yet?**

## FCC FCC News

Courtesy of the American Radio Relay League

Newington, CT, December 4<sup>th</sup>, 2013 — The US House Communications and Technology Subcommittee has **announced** plans for a multi-year effort to examine and update the Communications Act of 1934, the overarching law under which the FCC functions. The subcommittee, part of the US House Energy and Commerce Committee, is chaired by Oregon Republican Greg Walden, W7EQI. Walden and Energy and Commerce Committee Chair Fred Upton of Michigan made the announcement December 3<sup>rd</sup>.

"Today we are launching a multi-year effort to examine our nation's communications laws and update them for the Internet era," Upton said in a news release. "The United States has been the global leader in innovation and growth of the Internet, but unfortunately, our communications laws have failed to keep pace."

ARRL CEO David Sumner, K1ZZ, noted that the most recent significant update of the Communications Act was in 1996. "Under the leadership of Greg Walden, the subcommittee and its staff are well equipped to take up the challenge," Sumner said. "The ARRL will be monitoring the work closely as it goes forward next year and beyond."

The plan was made public via [Google Hangout](#), where the committee leaders were joined by former FCC Commissioner Robert McDowell, who said he was "delighted" to learn of the update plans. Upton explained that the process, to start in 2014, will involve a series of white papers and hearings focusing on what might be done "to improve the laws surrounding the communications marketplace as well as a robust conversation utilizing all platforms of digital media." He suggested a bill would be ready by 2015.

Walden said, "A lot has happened since the last update" and that the Communications Act is "now painfully out of date." He pointed out that the Act, drafted during the Great Depression, was last updated "when 56 kilobits per second via dial-up modem was state of the art."

Upton said, "We must ensure that our laws make sense for today but are also ready for the innovations of tomorrow."

Walden said he wants to open the discussion to input from everyone. Interested parties may follow the plan's progress via [Twitter](#). "It's important for people to have an opportunity to weigh in," he said. "This is really a public process to get better public policy."





# WASHfest 2014

The South Hills Hamfest — Now in our **NINETEENTH** big year!

Sponsored by the WIRELESS ASSOCIATION OF SOUTH HILLS AMATEUR RADIO CLUB, INC.

Sunday, February 23<sup>rd</sup>, 2014

8:00 AM until 3:00 PM Rain or Shine (or Snow!)

Castle Shannon VFD Memorial Hall

3600 Library Road (State Route 88), Castle Shannon, PA

Talk-In on 146.955(-) and 443.650(+) 131.8 PL



**(800) 545-8881**

**DXCC Card Checking Available!**

Thanks Art Lund NQ3A

Breakfast & Lunch provided  
by **JACK'S CATERING**  
of Peters Township

*FREE Coffee for the entire Hamfest*  
courtesy of **HAM RADIO INSURANCE ASSOCIATES**  
of Canonsburg, PA

## MAIN PRIZES — You've Got to Play to WIN!



1<sup>st</sup> Prize: Yaesu FTDX-1200 HF + 6M

2<sup>nd</sup> Prize: Comet CMX 2300  
HF/VHF SWR/Power Meter

3<sup>rd</sup> Prize: Clear Speech Speaker



**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>, 2014. Reservations received after February 1<sup>st</sup>, 2014 must include payment in full. Reserve now... we have sold out in advance four 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 \$10.00 = \_\_\_\_\_

Please make all checks payable to:  
**WIRELESS ASSOCIATION OF SOUTH HILLS**  
PLEASE MAIL RESERVATION TO:  
**WASHfest 2014**  
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/Renewal for 2014



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

(check quarter \_\_\_\_\_) →  
(check one ) ↓

<input type="checkbox"/> 1st Qtr Jan-Mar	<input type="checkbox"/> 2nd Qtr Apr-Jun	<input type="checkbox"/> 3rd Qtr Jul-Sept	<input type="checkbox"/> 4th Qtr Oct-Dec
<input type="checkbox"/> (F1) Full Membership: \$20.00	\$15.00	\$10.00	\$5.00
<input type="checkbox"/> (F2) Full Membership < 18 or > 65 yrs of age: \$10.00	\$7.50	\$5.00	\$2.50
<input type="checkbox"/> (A1) Associate Membership: \$10.00	\$7.50	\$5.00	\$2.50

☐ (FM1) Family Membership (\$3.00 x No. of household family members): \$ \_\_\_\_\_

Name(s): \_\_\_\_\_

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

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

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

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

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

New Members Only:

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

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

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

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

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

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

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

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

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

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

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

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

**N3RDV has requested that 2014 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



## Join the American Radio Relay League or Renew Your Membership through the WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

Members of the WIRELESS ASSOCIATION OF SOUTH HILLS can start a new membership or renew an existing membership in the American Radio Relay League, the National Organization of Radio Amateurs, through the club.  
Benefits for you: Joining and participating in everything the League has to offer, including a QST subscription.  
Benefits for the club: A few more shekels for our coffers.

Just fill out the form below, include a check or money order made out to WASH/ARRL, and return all 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

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

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

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

Please Check the Appropriate One-Year Rate:

- ☐ \$39 in US  
☐ Age 21 or younger, \$20 in US (only if you are the oldest licensed amateur in your household)  
☐ Canada \$49  
☐ Elsewhere \$62  
☐ Other (including Blind, Life, QST by First Class Postage — please contact ARRL for rate)

Dues subject to change without notice

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

Date of Birth: \_\_\_\_\_

Total Enclosed: \$ \_\_\_\_\_

☐ Additional Family Members at the same address (\$8 per family member)

Name & Call Sign: \_\_\_\_\_

Name & Call Sign: \_\_\_\_\_

Name & Call Sign: \_\_\_\_\_



# *Directions to the Nottingham Twp Municipal Building*



Take Library Road / State Route 88 to Churchill Road. Turn right onto Turkeyfoot Road. Left onto Bebout Road. Left onto Venetia Road. Take a slight right onto Sugar Run Road. The Municipal Building is just past Agostoni Road.

(Mapquest indicates that the distance is roughly 15 miles, 30 minutes from most South Hills communities)

## 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)

