



WASHRAG™

www.washarc.org



Volume 7 Issue 11

November 2005

N3SH
WA3SH
NP2SH/B

Wireless Association of South Hills

Christmas Party Plans

HO HO HO. It's that time again!

Our annual Christmas/Holiday Party will be held on **Thursday, December 8th, 2005** at **CALABRIA'S**, 3107 Library Road, Castle Shannon. It's open to all current club members, their immediate families, friends of **WASH**, and invited guests.

Starting time will be 6:30 PM. Cost is \$19.95 for adults, \$9.95 for children. Dinner will include soup, salad, 3 entrées (plus a children's entrée), 3 side dishes, and ice cream & cookies for desert. We also hope to have the usual festivities include our Chinese auction.

I need to know by November 20th if you are coming; I am turning in the count on the 22nd. Money has to be in by November 30th and no later. You can reach me at (412) 884-1466 or n3sf@libcom.com.

— 73, Carol Danko KB3GMN
Ways & Means Chair

WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

Dormont Orders Antennas Down

John Graham N3OVO has been ordered by the Borough of Dormont to remove his existing rooftop antenna(s).

Details are sketchy, but it is reported by Glen Roberts KE7FD that N3OVO was informed that borough ordinance limits him to one roof mounted antenna, that it can be no more than 12 feet high, and it must be guyed at the 8 foot mark. N3OVO was given until November 3rd or 4th to be in compliance, or face a fine of \$500 per day. It was not reported who ordered the compliance, how many antennas or of what type are affected.

N3OVO has sought help, but as of last report, was unable to find a ham attorney in the area who could advise him in time.

A (soon to graduate) law student, and active licensed amateur (and friend of **WASH**), who is familiar with antenna ordinances gave this editor a great deal of background information (though not legal advice!) on these types of antenna difficulties. This may or may not be a PRB-1 situation. It depends on the ordinance in question, whether or not a building or other permit is required for antenna structures by Dormont, and most importantly, whether or not Dormont has met PRB-1 requirements by providing a reasonable accommodation for amateur antennas.

My source suggests that N3OVO should contact an attorney specializing in land use situations. While he is not permitted to practice law, he can work with an attorney in a paralegal or similar capacity.

More information will be provided as it becomes available.

— Ron Notarius WN3VAW, Editor

Next Meeting: November 10th, 2005

The next monthly meeting of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** will be Thursday, November 10th, at the **Peters Township Library**, 616 East McMurray Road, McMurray, starting at 7:00 PM.

PA QSO wrap up, elections, International Education Week at USC High School, and other plans for the rest of the year will be among the topics of the evening!

Talk-in on the 146.955(-) N3RNX/R and 443.650(+) KB3FZU/R Repeaters (131.8 PL). All members, guests and interested parties invited!

Presidential Words

It has been mentioned to me how attendance at the club's monthly breakfast has waned lately. With the exception of hamfest and Field Day weekends along with one or two other Saturdays, usually less than 10 members attend. Last month only three members showed up. This drop has occurred even though we rotate between Washington and Allegheny county locations to accommodate our wide spread membership. I will admit up front that I have attended only about 6 breakfasts in the last year. From where I live it's a bit of a hike to go to any of the locations where the breakfast has been. Do not misunderstand, I am not complaining. There is an amateur radio club in my neighborhood. I choose to belong to **WASH** and participate in its activities. I tend to sleep in on Saturdays anyway.



A possible reason for the drop in attendance is that we have changed the location repeatedly of both Washington and Allegheny county locations because for various reasons. I think we may be still searching for the best location. I will bring up the monthly breakfast situation at the next meeting. We need to keep in mind, because our membership lives in a wide area, that no matter where the breakfast may be held, someone will have to travel to get to it.

By now you know that our Christmas party will be held at Calabria's on Library Road (near the **WASHFest** location), on Thursday evening,

(Presidential Words Continued on page 8)

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WASH FM Net
9:00 PM ET
Sunday Nights
on the 146.955
and 443.650
Repeaters


NCS Schedule
Listed On Page 3

Want to volunteer to be
a Net Control Station?
Please contact FM Net
Manager Kevin N3HKQ
for more information.

**LOOKING
AHEAD:**

- ARRL 160 Meter Contest Dec. 2nd, 3rd & 4th
- WASH Holiday Party Dec. 8th
- ARRL 10 Meter Contest Dec. 10th & 11th
- 6th Annual WASH 2 Meter Contest January 14th
- WASHFest 2006 February 26th
- 2 Rivers ARC Hamfest March 26th, 2006
- Dayton Hamvention May 19th, 20th, 21st, 2006
- ARRL Field Day June 24th & 25th, 2006

November 2005

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 Butler Co ARA Meeting Skyview RS Meeting WACOM Net North Hills ARC Net SATERN Net GPVHFS Swap m' Shop Net	2 <i>KDKA Begins Broadcasting</i> Uniontown ARC Meeting Steel City ARC Social Night Allegheny Co SKYWarn Net Allegheny Co ARES Net Westmoreland Co ARES Net	3 WACOM Meeting RA Erie Meeting Uniontown ARC Net	4 Elco ARS Meeting	5 RA Erie VE Test WPA SET Somerset Co ARC Breakfast North Hills Elmer Net
WACOM Hamfest						ARRL Sweepstakes CW
6 Ellwood City ARA Mtng QCWA Pittsburgh Net North Hills ARC Teen Net Somerset Co ARC Net WASH FM Net	7 Breezeshooters Net 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co Public Service Net	8 <i>Election Day</i> Foothills ARC Meeting Coke Center ARC Meeting Nittany ARC Meeting Punxsatawney Area ARC Mtg Fort Venango M&KC Meeting North Hills ARC Net	9 North Hills ARC Meeting Butler Co PSG Meeting Laurel Highlands VHF Mtng Steel City ARC Social Night Allegheny Co ARES Net Westmoreland Co ARES Net	10 WASH Meeting Horseshoe ARC Meeting Beaver Valley ARA Meeting Uniontown ARC Net	11 <i>Veteran's Day</i>	12 Nittany ARC Coffee Call NHARC/Breezeshooters VE 2 Rivers ARC Breakfast North Hills ARC Breakfast Foothills ARC Breakfast Quad Co ARC Breakfast
ARRL Sweepstakes CW						
13 QCWA Pittsburgh Net North Hills ARC Teen Net Somerset Co ARC Net WASH FM Net	14 <i>Bum of the Month Lunch</i> ARL Lawrence Co Meeting Breezeshooters Net 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co Public Service Net	15 Steel City ARC Meeting 2 Rivers ARC Meeting S H B P & M Meeting Tri-County CW ARC Meeting Juniata Valley ARC Meeting Chestnut Ridge ARC Meeting	16 Huntington Co ARC Meeting Allegheny Co SKYWarn Net Allegheny Co ARES Net Westmoreland Co ARES Net	17 Triple 'A' ARA Meeting Somerset Co ARC Meeting Greene Co ARC Meeting Uniontown ARC Net	18 Quad Co ARC Meeting	19 Foothills ARC VE Test North Hills ARC Elmer Net
						ARRL Sweepstakes SSB
20 Elk Co ARC Meeting WPRC Meeting & Elections QCWA Pittsburgh Net North Hills ARC Teen Net Somerset Co ARC Net WASH FM Net	21 Monessen ARC Meeting Breezeshooters Net Steel City ARC VE Test 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co Public Service Net	22 WACOM Net North Hills ARC Net WACOM Net SATERN Net GPVHFS Swap m' Shop Net	23 Ft. Armstrong WA Meeting Steel City ARC Social Night Allegheny Co ARES Net Westmoreland Co ARES Net		25 <i>"Black Friday"</i>	26 Nittany ARC Coffee Call North Hills ARC Elmer Net
ARRL Sweepstakes SSB						WASH Breakfast CQ WW DX Contest CW
27 QCWA Pittsburgh Net North Hills ARC Teen Net Somerset Co ARC Net WASH FM Net	28 Breezeshooters Net 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co Public Service Net	29 WACOM Net North Hills ARC Net WACOM Net SATERN Net GPVHFS Swap m' Shop Net	30 Steel City ARC Social Night Allegheny Co ARES Net Westmoreland Co ARES Net	12/1 WACOM Meeting RA Erie Meeting Uniontown ARC Net	12/2 Elco ARS Meeting	12/3 RA Erie VE Test North Hills ARC Elmer Net
CQ WW DX Contest CW						ARRL 160 Meter

WASH 2005 OFFICERS

EXECUTIVE COMMITTEE:

President Kevin Smith N3HKQ
VP / Secretary Paul Lusardi NØVLR
VP / Treasurer Mark Stabryla N3RDV

AND WE COULDN'T DO IT WITHOUT:

N3SH / WA3SH Trustee Steve Lane W3SRL
NP2SH Trustee Paul Jordan NP2JF
N3SH / WA3SH QSL Manager Paul Lusardi NØVLR
NP2SH QSL Manager Ed Oelschlager N3ZNI
VE Team Liaison Jacqué Gosselin N3ZEL
Webmaster Bob Sanford AA3FI
Quartermaster Harold Rosenberger KB3CPI
WASH FM Net Manager Kevin Smith N3HKQ
WASHFest 2006 Committee Steve Lane W3SRL, Chairman
Carol Danko KB3GMN
Bill Hill W3WH
Activities & Operating Events Kevin Smith N3HKQ
Larry Comden K3VX
Ted Huf W4ZE
Ways & Means Carol Danko KB3GMN
Media Communications Kevin DeRose N3KFD
Allegheny Co ARES Representative Ben Williams KB3ERQ

CLUB-AFFILIATED REPEATERS & BEACONS:

Mt. Lebanon	N3RNX/R	146.955 MHz (-)	PL 131.8
Mt. Lebanon	W3SRL/R	442.550 MHz (+)	PL 131.8
		Echo Link #26861 (courtesy W3SRL)	
Canonsburg	KB3FZU/R	443.650 MHz (+)	PL 131.8
St. Johns, VI	NP2SH/B	28.276 MHz	

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)

Published Monthly with occasional Special Editions as warranted.

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The WIRELESS ASSOCIATION OF SOUTH HILLS, INC. was founded on August 23rd, 1993, as the original SOUTH HILLS AMATEUR RADIO CLUB, and operated under that name through 1998. WASH was also known briefly in late 1998 as the N3SH AMATEUR RADIO CLUB. It is not in any way affiliated with the "South Hills Amateur Radio Club, Inc." and is not responsible for that group, it's members, or it's actions in any way, shape, or form.

As always, special thanks to the owners of both the N3RNX/R Repeater System and the KB3FZU/R Repeater System for permitting the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. and it's members to use their repeaters for club purposes. Special thanks also to our webmaster, Bob Sanford AA3FI, and to Shawn Djernes NØPEU for providing space on-line for back issues of "The WASHRag™" which can be found at www.washarc.org or www.djernes.org/washrag

WASH Amateur Radio Club News Briefs

Next WASH VE Test January 19th

The Next WASH VE exam sessions will be **Thursday, January 19th, 2006, 6:30 PM**, at the **Peters Township Library**, 616 East McMurray Road, McMurray, PA. Talk-in on the 146.955 MHz and 443.650 MHz repeaters. All examiners are ARRL VEC affiliated.

Walk-ins are always welcome, but if you plan on attending the test session, please contact VE Team Liason Jacqué Gosselin N3ZEL:

Telephone (724) 746-9235 or E-Mail: n3zel@fyi.net

Please bring the following to your test session:

Picture ID or other suitable identification (2 forms of ID required)

Pen / Pencil / Calculator

Original FCC license plus a copy of license (if upgrading)

Original CSCE plus a copy of CSCE (if upgrading)

Check or Cash in the amount of **\$14.00** (payable to: ARRL VEC)

Future test dates: Thursday, April 20th, 2006
 Thursday, July 20th, 2006
 Thursday, October 19th, 2006
 Thursday, January 18th, 2007
 (tentative)

The end of October brings out ghosts, goblins, politicians wanting your vote, and along with these scary things, the return of the **WASH Breakfast Gang** to **Dukes Restaurant**, Baptist Road, Bethel Park. The attendance was small, consisting of K3VX, KB3CPI & WNBVAW. Still, we talked about N3SH log merging problems, WB3L software network problems, the SGC "dumb tuner," struggles with Visual Basic and Excel, the Pa QSO Party in general, struggles in Visual Basic, property values, the **Beach House**, Field Day sites, the Gin Pole stories, 4 Square antennas, and a whole lot more.

So why not come to the November breakfast, join the conversation, and keep our attendance up? Hope to see you at **The Country Fixin's**, on Route 980 in Cecil, just on the other side of Canonsburg, on November 26th, followed by a (tentative) return to **Dukes Restaurant**, Baptist Road, Bethel Park (just past 84 Lumber and across from Millennium Park) on December 31st — the morning of New Year's Eve! See you there!

Christmas/Holiday Party is about a month away, as this is being finished. A new location this year, so we're really hoping that the change of pace will bring everyone out to have a good time! Details are on Page 1, and Carol will have more news at the November meeting.

Field Day 2006: As noted in the minutes, the Mingo Park site that we used for Field Day this year has been reserved by another group, so it's unavailable. So what do you think? A return to the Library Sportsmen's Club? Or the field that the **Brasspounders** used to use? Or do you have another location in mind? Come to the meeting, let us know what you think!

Met up with Greg KQ3DX a little while back, and he wanted everyone to know that the arrangements for **Dayton 2006** are underway. More information will be available in the next newsletter!

Speaking of club members, heard from **KE3XB** up in the Northern Outpost. John didn't have a lot to say, just that he's been very busy lately. Al **K3PCF** has also been very busy since retiring. Al **KA3UPY** & Carol have been sailing up & down the East Coast and (as far as we know) been avoiding this year's hurricanes! We sure miss seeing you at the meetings! (And that goes for the rest of you recent no-show's too!)

The November Meeting is very important. We had nominations last month, and this month are **officer elections for 2006**. If you can only make one meeting this year, try and make it this one.

The 2006 2 Meter Simplex Contest will be coming up in just over 2 months. Rules changes (mainly involving available FM simplex frequencies) are still being worked on; we hope to have complete rules in the next two issues. But it's not too early to start spreading the word that **Saturday, January 14th** is the evening to hold open to have a little bit of fun! Our little contest is a lot of fun, but it's even more fun when we get a lot of people to join in and operate with us!

Did you have fun in this year's **PA QSO Party**? We're still waiting to hear how some of you did! More pictures always welcome, too! (We still have a bunch from this year's WA3SH operation to try and show next month!)

The ARRL's new "Public Service Stories" page now is open at <http://www.arrl.org/FandES/field/PublicServiceStories/>. It's a place where Amateur Radio volunteers can tell the world about their public service contributions during recent events.

Both text and photos can be entered and will appear on the Public Service Stories page for all to see.

The ARRL currently is soliciting stories from those providing service in the aftermath of hurricanes Katrina, Rita and Wilma.

The ARRL Foundation has announced the addition of two new scholarships for the 2006-2007 academic year, thanks to a generous endowment from the Dayton Amateur Radio Association.

The ARRL Foundation Board recently approved addition of the \$1000 scholarships to the 43 awards it now offers. "The recent success of the Dayton Hamvention prompted DARA to revitalize its scholarship program," commented ARRL Chief Development Officer Mary Hobart, K1MMH. "These scholarships represent DARA's commitment to plow some of that success back into Amateur Radio and offer a brighter future to talented Amateur Radio operators."

To be eligible, an applicant must be an Amateur Radio licensee attending or accepted at an accredited two or four-year college or university. Information on all ARRL Foundation-administered scholarships is available on the ARRL Foundation Web site.

The application period for ARRL Foundation scholarships closes February 1, 2006.

WASHNet 2005 NCS Schedule

10/02	Michael, KB3HFP	11/20	Harold, KB3CPI
10/09	Hank, KB3FNM	11/27	Bell Family
10/16	Paul, NØVLR	12/04	Michael, KB3HFP
10/23	Kevin, N3HKQ	12/11	Bill, W3WH
10/30	Frank, KB3FZU	12/18	Ron, WN3VAW
	or Lorrie, KB3GMU	12/25	Frank, KB3FZU
11/06	Carol, KB3GMN		or Lorrie, KB3GMU
	or Richie, N3SBF	01/01	Paul, NØVLR
11/13	Kevin, N3HKQ		Alternate — Ron WN3VAW

WASH Apparel Updates!

Dan KB3HVN & OGS Distributing are continuing to work on the upcoming web page link to permit WASH club members to order shirts, jackets, hats, and whatever direct from the club web page.

For more information, contact Dan & OGS Distributing at 412-655-8787

Join WASH or Renew your Membership for 2006 Today! Membership Application on Page 11!

Minutes, October 13th Meeting

Paul Lusardi NØVLR, Secretary, **WASH**

Kevin, N3HKQ, **called** the meeting **to order** at 19:05 hours. There were 15 members and 0 guest in attendance.

There was a **moment of silence** for recently departed silent keys and Carol Danko's brother, followed by **Introductions**.

A motion to waive the **reading of the minutes** based on the minutes printed in the last newsletter was made by WB4GCS, second by KB3FZU and carried.

Committee Reports:

Treasurer (N3RDV): No Report

Secretary (NØVLR): Help needed at the club table at the upcoming WACOM Hamfest. Other fund raising ideas discussed.

VE (N3ZEL): VE's needed one week from tonight for a VE session at the Peters Township Library. The session will be held in the reading room on the second floor.

Repeaters (N3RNX/KB3FZU): Still having trouble getting access to the USX Tower site. Electric bill \$43.09

FM Net (N3HKQ): Anyone wishing to be added to the list of Net Control stations?

Public Service (N3RDV/N3IDH): Dave, deputy officer of Washington county is hopeful of future amateur radio for emergency services folks to check into the 7:30 Sunday night ARES net on 147.090

RACES – in the next year, try to participate in an SET event. W4ZE mentioned that N3YEA and N3LLR, Paul will check on it

Contests (W4ZE, K3VX, KB3FZU): Report on 2005 PA QSO Party -

- W4ZE/3 had 840 Q's with 135k points,
- N3SH total 400 contacts with lots of noise,
- KB3FZU SEZ calling CQ on 20, bowl of chili in one hand and auto voice keyer in the other!
- Missed LAW and ADA counties – 56 sections 831 Q's including 260 CW 126,155 points and trouble with dumb-tuner,
- N3ZNI, 535 contacts, mobile made lots of people happy!
- N3HKQ suggested the **WASH** club be the bonus station for next year, will ask Ron about that
- Where is the old set of band pass filters? Looking – someone will ask W3WH to look at his QTH

Activities (K3VX): No Report

Quartermaster (KB3CPI): No Report

Newsletter (WN3VAW): No Report

Ways & Means (KB3GMN): Christmas Party, December 8th, Calabrias.

Tower Trailer Committee (KB3KGP/NØVLR): Discussion of fund raising to date.

President (N3HKQ):

- Emergency preparedness/communications, keep the interest going
- AAAP - Status of Radio Telescope project – Group looking to build a 1.4Ghz radio telescope for solar experiments and viewing Jupiter. A 10-ft ID TVRO dish will come from K3LGM's farm. 2006 Star parties scheduled and WASH is asked to set up to set up a special event station, particularly to contact satellites and ISS if possible, at some of the 2006 star parties.
- International Education Week – USC (45-min presentation 11/30/05) 12:40 – 1:30 and 1:30-2:20 – Pat Palazzolo mentioned that nice things are happening with the 7th and 8th grade having a TECH class beginning in January 2006. Asked for assistance if possible. Kevin Smith mentioned that Bob Ketzler KB3IN has some materials that might be useful. Pat again requested assistance with International Education Week event on November 30th, 2005. Rick-KB3IAC, Kevin-N3HKQ, and Dan-KB3HVN will help out on November 30th.

Other: Jim, WB4GCS reported on the AMSAT BOD, Eagle Project, and Annual meetings held in Pittsburgh. Explained how general membership was able to check in on EchoLink with live with Q/A's. Jim promoted having the

(Meeting Minutes Continued on page 8)

WASH Spotlight: Gin Pole



Well, not all of this month's pictures are from the Pa QSO Party!

Two unidentified **WASH** members are shown raising up the Gin Pole for the next section of Jim WB4GCS's new tower. We hear that it was a very interesting time, especially considering that the Gin Pole weighed a ton...

Photo courtesy of and ©Copyright 2005 Larry Comden K3VX

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 WN3VAW at wn3vaw@njdxa.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!



We alternate our breakfast locations every month to make it easier for club members to get to at least one of them:

Join us in November at **The Country Fixin's**, on Route 980 in Cecil, just on the other side of Canonsburg, and in December at **Duke's Station** on Baptist Road in Bethel Park. 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

AA3FI	KB3IAC	N3PN	W4ZE	WASH MM	Silent
AA3JS	KB3IRQ	N3QMV	W8LEV	KA3UPY	Keys
K3JDS	KB3IVW	N3RDV	WA3JPP	WASH GA	
K3LGM	KB3IVX	N3RHT	WA3RVD	K3OL	K3EED
K3PCF	KB3KGP	N3RNX	WB4GCS	KB3IJX	KB3ENX
K3VX	KB3KOT	N3SBF	WN3VAW		KB3FQT
K3WJL	KB3LIX	N3TBK	WO3Z	WASH NE	N3KEH
KA3NMG	KC4WTT	N3VEH		NØPEU	N3OBD
KA3TWI	KE7FD	N3XI		WASH NY	N3SKR
KB3CFI	KE8RN	N3ZCG		KE3XB	N3SRC
KB3DCO	NØPEU	N3ZEL		N3YPB	W3ZLK
KB3EPI	NØVLR	N3ZNI		WASH OH	
KB3FNM	NØWPV	W3GEL		N8DPW	
KB3FZU	N2QIV	W3HND		WASH TX	
KB3GMN	N3AWF	W3JAF		K3LGM	
KB3GMP	N3BSQ	W3RJM		WASH VI	
KB3GMU	N3DFK	W3RWS		NP2JF	
KB3GUZ	N3HKQ	W3VFA			
KB3HVN	N3IDH	W3WH			

Through October 30th, 2005

List compiled by

Mark Stabryla N3RDV, Vice President/Treasurer

Pennsylvania QSO Party



N3SH: "We have four digital cameras ALL LEFT AT HOME. I bought a single use camera - no flash. What a waste. So I'm only sending you one pix. Indoor stuff unusable.
 Call it "Tongue Depressors. " Seems Steve's trailer had sunk so low over the summer that the hitch on the truck wouldn't go low enough. What to do? Get on the bumper, hence the picture." — Larry K3VX

Call: N3SH Section: WPA County: MERCER
 Operators: K3VX, W3WH, N3IDH, W3SRL
 PA Club Affiliation: Wireless Association of South Hills
 ENTRY CLASS: MULTI-MULTI STATION: PORTABLE POWER: LOW

SCORE CALCULATION

160 and 80 CW	140 X 2.0 =	277.5	Counties = 56
Other CW	150 X 1.5 =	225.5	Sections = 48
SSB & FM	99 X 1.0 =	99	DX = 1
Total QSOs	389	Total Points 602 X	Total Multipliers = 105
		Total Raw Score =	63525
Bonus Multiplier 1 X Raw Score	63525 =		63526
Special Event Station Bonus = 4 X 200 =			800
Mobile and Rover Bonus = 0 X 500 =			0
FINAL SCORE = Total Score + Bonus Points =			64326

W4ZE/3: "This year my station, W4ZE/3 operated again for the Wireless Association of South Hills club effort. Operators were Ron WN3VAW, Bob W3RJM, Jim WO3Z and W4ZE. Unfortunately Ron, Bob and Jim could not make it back Sunday.

We missed a sweep by one, NUM. Same one as last year NUTZ. Worked K3YTL Six times. Great job by the Murgas club." — Ted W4ZE

Call: W4ZE/3 Section: WPA County: WASHINGTON
 Operators: W4ZE, WN3VAW, WO3Z, W3RJM
 ENTRY CLASS: MULTI-MULTI STATION: FIXED POWER: LOW
 PA Club Affiliation: Wireless Association of South Hills

Summary:

Band	CW Qs	Ph Qs	Multipliers	
160:	13	15	Counties: 66	
80:	63	171	Sections: 71	Total Score = 137,628.5
40:	87	215	DX: 1	
20:	55	194		
15:	20			
Total:	218	615	Total: 138	



Photo Credits:

Upper Left: N3SH/3 operators N3IDH, W3WH courtesy of and ©Copyright 2005 Larry Comden K3VX.
 Middle Left: W4ZE/3 Operator WO3Z,
 Bottom Left: W4ZE/3 Operator Bob W3RJM, and
 Above: W4ZE/3 Operator Ron WN3VAW courtesy of and ©Copyright 2005 Ted Huf W4ZE.

**WA3SH:**

Call: WA3SH Section: WPA County: FAYETTE
 Operators: N3HKQ, KB3KOT, N0VLR, W8LEV, KB3HVN, KB3IAC,
 KB3KGP, NEKFD, N3DFK, KB3GMU, KB3FZU
 PA Club Affiliation: Wireless Association of South Hills
 ENTRY CLASS: MULTI-MULTI STATION: PORTABLE

CW Contacts:	260	Counties:	65 (Missed LAW & ADA)
Voice Contacts:	571	Sections:	56
Total:	831	DX:	1
Bonus Points:	800	Total Score:	126,155

Operating from Mt. Misery

John Getz AD8J courtesy of the PA QSO Party reflector

For years, I've have wanted to operate the Pennsylvania QSO Party from the top of Mt. Davis, the highest point in Pennsylvania, which is in Somerset County. The easy way would be to drive to the parking area at the top and operate mobile. Not wanting to keep things simple, W3AG and myself decided to set up a two transmitter multi-multi and try to beat the present Somerset county multi record. We would use computer logging and have an RF packet connection. And since there is no power at the very top, we would operate off a generator. The decision was also made to just operate on Saturday.

We assembled the stations in my garage along with three computers and worked out most of the bugs. After everything was working we ran a test using the generator to make sure there weren't any problems.

The Wednesday before the contest I make the 2 ½ hour (each way) drive up to Mt. Davis to install the dipole antennas. It turned out that the trees at the exact top were too stunted to make good antenna supports. I found a good location about ½ mile away that was only 30' lower in altitude. This location has an observation deck, a great view to the West and is still in the middle of nowhere. The weather was warm and clear. The signal from the PacketCluster, 65 miles away was an S-3 on the 2 meter mag mount.

On Friday we loaded everything in the van along with a table, chairs, portable grill, coolers and a picnic (can you say roof only) shelter. We also added an Isopole antenna to try to improve the signal strength to the PacketCluster. And since the weatherman was calling for showers and cooler temperatures, we added some heavy clothing.

We left Saturday morning at 7AM and were at the site about 9:30AM. On top of the mountain the temperature was about 45 degrees and it was raining. However the forecast was for clearing skies in the afternoon. We started by putting up the picnic shelter on the deck, followed by the table and all the equipment. Because of the dry run in the garage, we had everything set up by 10:30AM and weren't missing anything. However, problems started to appear.

The computers that networked fine in the garage didn't want to talk to each other up on the mountain. No problem, since we were each going to operate on separate bands, we could merge the logs after the contest. The PacketCluster signal was only an S-1 even with the Isopole antenna. Finally the Cluster signal faded out completely.

The weather was starting to become a factor because we were in a rain cloud! We could only see about 100' and the wind was blowing the mist across us and all the equipment. We put up plastic to keep some of the moisture off of the equipment. The roof and the plastic was really dripping. We could see the cloud mist all around us.

We started the contest at noon with Joe on 40 meters and myself on 20 meters. Skip was real long on 20 with nothing closer than MO being heard and more than the usual number of European stations calling in. This actually was nice as Joe was picking up close mults and I was getting the far away ones.

About two hours into the contest, the wind picked up and the picnic shelter was flapping up and down. We had to add some additional ropes to keep it in place. The temperature was starting to drop. Joe started taking a break each hour to warm up in the van. Myself, I was having too much fun working stations while sitting in a rain cloud to take a break. I also had on more clothing layers than Joe.

At 1900Z we tried 15 meters but only found one station to work. As a result, we just kept plugging along on 40 and 20 meters. Meanwhile, the temperature continued to drop and the visibility wasn't improving. In fact, it was probably getting worse.

The radios and computers were holding up fine in their little plastic shelter but the two operators were taking a beating. At 2130Z we moved one station to 80 meters which had a lot of activity. I guess everyone was tired of being on 40 and 80 all afternoon. Joe announced that he probably would only be able to operate CW as he was too cold to talk.



All photos this page courtesy of and ©Copyright
 2005 Kevin F. Derose N3KFD

(Mt. Misery Continued on page 7)

LF Experimentation By Amateurs Continues Quietly

courtesy of the American Radio Relay League

NEWINGTON, CT, November 3rd, 2005 — Experimentation by radio amateurs on the nether regions of the radio spectrum continues quietly and largely unnoticed outside of the LF community. Since the FCC turned down the ARRL's 1998 petition to create an Amateur Radio "sliver band" in the vicinity of 136 kHz, some US amateur licensees have obtained FCC Part 5 Experimental licenses to research the possibilities of LF, including transatlantic and transpacific propagation. A few hams in Canada have obtained special permission from Industry Canada to operate on LF using Amateur Radio call signs. The latest noteworthy accomplishment was a QSO between US Experimental licensees. LF enthusiast Laurence Howell, KL1X — operating as WD2XDW — and John Andrews, W1TAG — operating as WD2XES — completed their LF contact October 29 on 137 kHz.

"This is the second two-way between US Experimental licensees in that frequency range, the first being a 25-mile CW contact between K2ORS/WD2XGJ and myself last year," said Andrews. "There is an increasing amount of activity in that band in the US and Canada, but it has virtually all been one-way." The QSO between Andrews, in Massachusetts, and Howell, in Oklahoma, spanned some 1340 miles.

In 2001, Larry Kayser, VA3LK (SK), and Laurie Mayhead, G3AQC, received a special Transatlantic Challenge plaque for completing the first two-way Amateur Radio LF contact — between the UK and Canada — earlier that year. Another plaque went to Dave Bowman, G0MRF, John Currie, VE1ZJ, and Jack Leahy, VE1ZZ, for completing a crossband (HF/LF) transatlantic QSO in 2000.

A year ago, New Zealand LFER Mike McAlevey, ZL4OL, copied Howell's WD2XDW 137 kHz carrier "bursts" over a path of more than 13,000 km (8000 miles), while Jim Moritz, M0BMU, copied LF signals from WD2XDW, Andrews' WD2XES and Joe Craig, VO1NA, in Newfoundland. Craig and Alan Melia, G3NYK, described their LF exploits and experiences in "The Transatlantic on 2200 Meters," in July 2005 QST.

More recently, the first confirmed transpacific reception of Canadian Amateur

Radio LF signals occurred October 4 when the slow-speed (QRSS) CW signals of VA7LF were heard by ZM2E in New Zealand. "Signals from the ZM2E club station were heard in Canada as well, but propagation was not of sufficient duration to enable a QSO to be completed," said Steve McDonald, VE7SL one of the VA7LF operators. ZM2E and UA0LE hold the current Amateur Radio two-way LF world record at a distance of 10,311 km (6393 mi). The distance between VA7LF and ZM2E is approximately 11,700 km (7254 mi).

For their late October QSO, Howell and Andrews used WOLF software developed by Stewart Nelson, KK7KA, and enhanced by Wolf Buscher, DL4YHF, to decode the signals on each end of their contact. "We had pre-arranged the frequency of 137.422 kHz, which is in a small gap between sidebands of the Loran-C signals on 100 kHz in North America," Andrews explained.

LFers typically use very low data rates and process the incoming sound-card audio in real time. Andrews says WOLF is a highly error-corrected binary phase shift-keyed mode that provides usable copy at signal levels where CW at a 60 seconds-per-dot rate is just copiable. ARGO is another popular software package among LFers.

During the contact, which took more than two hours to complete, Andrews was running 200 W output into a large, tree-supported vertical loop. "I used the large transmit loop as a receiving antenna, connected directly to an ICOM R75 receiver with no external preamp," he said.

In Oklahoma, Howell was running 1 kW into a tree-supported vertical loop. He uses a Kenwood TS-870 with a transverter for transmitting and tuned directly to 137 kHz for receiving.

Experimentation under FCC Part 15 rules in the vicinity of 160 to 190 kHz has been going on for years by radio amateurs and non-amateurs alike. Amateur Radio licensees in Europe and elsewhere have an allocation at 135.7 to 137.8 kHz, and most Amateur Radio experimentation takes place in this band.

ARRL 2005 Holiday Toy Drive Kicking Into High Gear

courtesy of the American Radio Relay League

Toys already have begun showing up in Memphis, Tennessee, in response to the ARRL 2005 Holiday Toy Drive appeal. The League has partnered with The Salvation Army for this year's effort to brighten the holiday season for children in the coastal areas of Alabama, Mississippi and Louisiana left homeless or displaced in the aftermath of hurricanes Katrina and Rita.

"As The Salvation Army continues to provide assistance to the victims of the largest natural disaster in modern US history, we are excited to partner with the ARRL in providing toys for children affected by hurricanes Katrina and Rita this holiday season," said Mark Jones, The Salvation Army's public relations director.

Because it still has the facilities to manage a large toy drive, The Salvation Army will handle the distribution end of the program. Its facility in Jackson, Mississippi, will coordinate distribution throughout the Gulf Coast region.

Country music artist Patty Loveless, KD4WUJ, is the Holiday Toy Drive's national chairperson.

The collection point for the toys is in Memphis, Tennessee, where the League has secured a warehouse facility. Between now and December 10, the ARRL is encouraging ham radio operators throughout the US to purchase new, unwrapped toys for children ages 1 through 4 and send them with a QSL card to ARRL Toy Drive/The Salvation Army, 1775 Moriah Woods Blvd-Suite 12, Memphis, TN 38117-7125.

Volunteers in Memphis will sort and stock the toys, and in early December, the toys will be transported to The Salvation Army facilities in hurricane areas that need help the most at that time.

Amateur Radio volunteers turned out in force to support communication for relief and recovery operations in the Gulf Coast. ARRL Media and Public Relations Manager Allen Pitts, W1AGP, says the Amateur Radio community is once again in a position to make a difference.

"Thousands of families are without a place to live and will be homeless over the coming holiday season," he said. "For a child living out of a tent or car, FEMA trailer or someone else's home, the 2005 holiday season will be anything but jolly. But hams from all across the country are coming to their rescue again through the ARRL Holiday Toy Drive."

Cash donations from ARRL members also are welcome. League members may send checks to ARRL Holiday Toy Drive, 225 Main St, Newington, CT 06111.

"Knowing that someone 'out there' remembers you is a start for these children," Pitts said.

More information about the ARRL 2005 Holiday Toy Drive is available on the League's Web site <http://www.arrl.org/pio/>.

(Mt. Misery Continued from page 6)

While Joe operated 80 meters, I fired up the grill. It didn't matter that the temperature was approaching freezing and we were standing in a rain cloud, we were going to grill out the cheeseburgers we brought! Amazing what warm food can do to warm cold bodies.

Our original plans were to operate until about 10PM but since the cold and damp were really becoming an issue, we decided to shut down early. As Joe operated, I started taking apart and packing everything that wasn't required for the one station. Just before dark, we shut down the generator and packed up the rest of the gear. In the dark, we took down the picnic shelter and the antennas. We were still in the rain cloud!

Once we had everything and ourselves in the van, we had another problem. There was so much moisture that the windows were all fogged up. We ran the A/C and defroster for about 15 minutes before we could start moving. Even then it was slow going because of the limited visibility outside. After dodging a couple of deer we finally made it down off the mountain and made it home about 10:30PM. We unloaded everything and let it start the drying process. The ice in the coolers hadn't even started to melt!

Did we break the record? NO, with 298 QSO's we didn't even come close. If I did it again, what would I do different? I'd drive to the parking area at the top and operate mobile!

(Meeting Minutes Continued from page 4)

AMSAT 2007 Symposium in Pittsburgh and solicited **WASH** assistance if the weekend is changed away from PA QSO weekend. – Wyndham hotel wants AMSAT to come back also!

Old Business:

Christmas Party – December 8th is preferred

Great race, WASH members

KB3IAC - For the surprise drill, of the 16 net check-ins, 10 participated in the SET. The scenario had participants travel to 5 primary locations, 5 secondary locations. Of these locations, willing participants were dispatched to 6 locations in 35 mile radius in 29 minutes! Outstanding response for a completely surprise drill. Thanks to all who participated.

BSA has been our host at Heritage Reservation during the PA QSO party for the last three years. Rick made a motion for \$100 donation to be presented to the Greater Pittsburgh Council, BSA- not sure who seconded it, all were in favor

New Business: Nominations for President and VP/Treasurer.

Mark-N3RDV was nominated by Kevin, N3HKQ and Bob W3RJM was nominated by Rich N3SBF for Vice President/Treasurer.

President, N3HKQ nominated by many and nominations quickly closed. Kevin accepted the nomination but explained that he will not accept nomination next year. Someone new must take over as President in 2007.

Vice President/Secretary position is open for re-filling for a 1 year term – no vote needed

Good of the order –

2006 **WASHFest** plans are coming along

Kevin N3KFD mentioned the Girl Scout fundraiser for his daughters.

Ed N3ZNI - WACOM Hamfest 11/6 – prize tickets are available now

Motion to Adjourn at 8:25



(Presidential Words Continued from page 1)

December 8th. I am sure you will find details elsewhere in the **WASHRag**. I want to thank Carol Danko for making the arrangements again this year. I am sure she will have a fun time in store for us. I also want to thank Dan McCann and Rick Bell who investigated other locations and the membership for giving opinions on location and their support for attending the event.

Finally I want to remind everyone that the November club meeting is election night for club President and Vice President-Treasurer. Nominations made from the October meeting include for President, yours truly and for Vice President-Treasurer, Mark Stabryla, N3RDV and Bob McCloskey, W3RJM. Additional nominations will be taken at our next meeting before elections begin so if you have anyone else in mind to fill these offices, be sure to speak up. Paul Lusardi is also filling in as Vice President-Secretary and has asked to be relieved by the end of the year. The term for this office runs until December 2006. I really need someone to fill this position in January as the meetings really bog down if I have to take meeting notes and conduct the meeting. Please do the club a favor and volunteer to complete the term for this office.

— 73, Kevin Smith N3HKQ
President, Wireless Association of South Hills, Inc.
N3SH / WA3SH / NP2SH/B

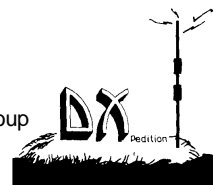
Silent Keys



Frederick Merrin, aka Radio Personality "Bumper Morgan," 57,
October 26th

Jan Ballard Bohna, aka Romper Room's "Miss Jan," 70, October 27th

DX News Briefs



A team of local amateurs plan to be active from **VP2M Montserrat** during the ARRL DX CW Contest. The group currently consists of W3WH, K3VX, W9UK, N7NM and K9CS. VP2M calls have yet to be assigned, but they plan to use "the one that sounds best" during the contest. QSL via N3ZNI. For more information, contact Larry K3VX at lcomden@comcast.net — K3VX

Look for **FS/K9EL** to be QRV from 30 November through 7 December. As this will be a family vacation, look for operating activities to be scheduled around beach and other activities. He will be QRV on 80—10 meters CW & SSB, no PSK or RTTY, 160 unlikely. QSL via home call — K9EL

On October 18th, the US House Resources Committee unanimously sent to the House floor HR 1183. If passed by Congress, this will require the US Fish & Wildlife Service to reopen **KP1 Navassa and KP5 Desecheo Islands** to limited public access, including amateur radio operators. It is unclear when the bill will go to the full house. Look for more information on the KP1-KP5 Project web site at <http://www.kp1-5.com> — KF2TI

The Clipperton DX Club's DXpedition to **FR/G Glorioso** has been rescheduled to after the hurricane season, 17 March — 7 April 2006. They plan to have up to 5 stations QRV on all bands and modes, but plans are subject to sudden change, as all of the operators are military personnel. Latest information is available at <http://glorieuses2005.free.fr/index-en.htm>. — F5CW & F5NQL via 425 DX News

4L5A has announced that he has closed the **D4B / D44TT** contest station on Cape Verde. "I have achieved and in some cases exceeded all my goals that I set out to do from D4." However, the station may return to the air as he has apparently sold the station to RD3A/RD3AF for \$1! — 4L5A

W9OL is **not the manager** for **ZA/Z35M** and **CN8LI** — W9OL

T93Y reports that he has received the **STØRM** QSL cards from the printer and all direct requests have been answered — T93Y

"Best to work **Vietnam** now -a-days because rumor has it that at the end of the year, some or all Vietnam hams will be without license.... or may have to renew via some delayed process. This could change for the better at any time, but work those **XV** and **3W** now if u can." — K4VUD

KH7U and KH6ND are QRV through 19 November on **KH5 Palmyra**. Operating time is limited by work schedules. Note that they are using "shortened" suffixes (since "KH" is the prefix for both Hawaii and Palmyra); thus, this is being reported as "legal." (Editor's Note: *If it's OK with Riley, it's certainly OK with us!*). QSL KH7U/5 via AH6NF, and KH6ND/5 via K2PF — don't forget your SASE! — OPDX News

QSL Routes

3D2CS via K4YL — KA2BZS	HF65ØD via SP1AEN — UA6JD
3D2RR via HB8IB — KUØA	KH9/WØCN via K9JS — KZ2I
4G6A via VE7DP — KA2BZS	KHØ/KG2DA via JA1GFD — JJ1BDX
5NØHVC via OK1DXE — KA2BZS	KP4SQ via W3HNC — JJ1BDX
5TØJL via ON8RA — KB8NTY	PJ2B via K9JS — AA6YQ
7V2SI via OM3CGN — K8SIX	RKØAXK via RAØALM — VA7EWK
7XØRY via OK1DYW — W9OL	RP3ZAA via RN3ZZ — UA6JD
8P2K via KU9C — W9OL	RP6J via UA6JCC — UA6JD
9J2BO via G3TEV — KA2BZS	S79IRN via G4IRN — KA2BZS
9J2CA via G3SWH — KZ2I	S79MX via HB9MX — KA2BZS
A35YL via VK3DY L — KA7KUJ	S9MX via KQ1F — KA2BZS
AXØMT via JE1LET — KA2BZS	STØRM via T93Y — T93Y
C5P via YL2GN — KA2BZS	T88LY via JJ2VLY — JQ2GYU
C91CW via UT5UGR — JJ1BDX	T88YU via JQ2GYU — JQ2GYU
C91F via AA4NN — KA2BZS	TT9AMO via PA7FM — W2IRT
CS5A via CS1GDY — CT1END	TU2IG via F5IG — KA2BZS
CYØAA via K8LEE — K5WWW	TX4PG via M5AAV — KA2BZS
EMØITU via UT3UZ — UA6JD	VC6X via VE6BF — JJ1BDX
EO35ØL via US3LX — UA6JD	VY2TT via K6LA — VA7EWK
EO6ØZ via UT4ZG — UA6JD	YB7M via YB9BU — KA7KUJ
ET3TK via OK1CU — KB8NTY	YI9OM via OM6TX — NKØS
FW5ZL via FR5ZL — K9MM	ZD8A via N6CW — KA2BZS

Thanks to the NJDXA **DX News** & **DX Chat** Reflectors, the **DX-QSL** Reflector, **425 DX News**, **OPDX News**, **Diamond DX Club News**, **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.



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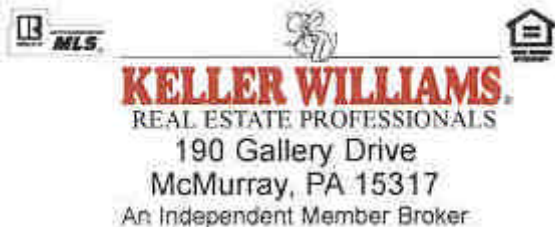


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FCC News

ARRL Web Extra & ARRL Letter, courtesy American Radio Relay League

Newington, CT, October 26th, 2005 — Thanks to Hurricane Wilma, the FCC likely will not be processing any vanity call sign applications until late December. The Wireless Telecommunications Bureau (WTB) halted vanity processing on or about September 23 after realizing that filing and regulatory deadline extensions for licensees in certain states affected by hurricanes Katrina and Rita could affect the vanity program. This week, the FCC announced an additional extension — until December 22 — for licensees adversely affected by Hurricane Wilma. Because all three extensions apply to Amateur Radio's two-year "grace period," they could have an impact on vanity call sign processing.



"It looks like it's going to be the same thing carried forward," Tracy Simmons told ARRL. He said amateur licensees can continue to file vanity call sign applications, but these will not be acted upon until the WTB resumes vanity processing. Then, all pending vanity call sign applications will be processed in the order they were received. Simmons indicated that the WTB would revise its Universal Licensing System (ULS) Web page "alert" telling applicants that vanity processing has been suspended "until further notice" to reflect the latest deadline extension.

The FCC halted vanity processing to avoid such potential problems as re-issuing the call sign of an affected individual in one of the designated states whose license has expired but remains within the two-year grace period for renewal.

Under Part 97, Amateur Radio licensees have two years from the date of license expiration to renew their tickets without having to retest or risk losing their call signs to a vanity applicant. WTB has temporarily disabled the "auto-termination" feature of the ULS so that it will not automatically cancel licenses not been renewed by the end of the grace period.

The FCC has not announced when vanity processing will resume, but at this point it appears unlikely that the date will be any sooner than December 23. It typically takes approximately three weeks for the FCC to process a vanity call sign application. In August, the FCC raised the vanity application fee to \$21.90.

In 2004, a revised Footnote US7 in Part 2.106 of the Code of Federal Regulations went into effect, further expanding the 50 W maximum output power restriction in place for the 420-450 MHz band in the US Southwest. (The applicable Part 97 Amateur Service rule is §97.303, which incorporates §2.106 by reference.)

"In talking to people at hamfests and other Amateur Radio meetings, I've found that very few people are aware of this rule," says Bill Kauffman, W5YEJ, of the New Mexico Frequency Coordinating Committee. While the previous version of §2.106(a), essentially covered the White Sands Missile Range area of New Mexico, language effective as of January 2004 expanded it to include all of New

Mexico and Texas lying west of 104° W. The 70 cm band is a shared allocation in the US, and federal government users are primary. Amateur Radio, as a secondary occupant, may not cause interference to primary government stations and must tolerate any interference from government stations.

Kauffman explains that the FCC acted at the request of the National Telecommunications and Information Administration (NTIA) to protect sensitive receivers at various fixed and mobile locations on military bases. The 50 W restriction continues to apply to the entire State of Arizona as well as parts of several other states, including California, Nevada, Massachusetts, Alaska, North Dakota, Alabama, Georgia and South Carolina. Exceptions to the power limit must be expressly authorized by the FCC after mutual agreement, on a case-by-case basis, between the FCC District Director in the applicable district and the Military Area Frequency Coordinator at the applicable military base.

Wilma Advice

Max Maxwell K5PP

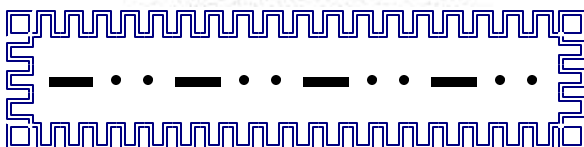
New Rule: There is nothing in your fridge/freezer that is worth cleaning it out.

I thought I would be gone from New Orleans 2-3 days. I didn't get back in for 2 weeks. I didn't get power back for a month. Saved the Sub-Zero (luckily had no meat or fish in this one), threw the other fridges out. Lost some shingles but no water at my QTH.

The SteppIR is now rated Category 4.

I evacuated to Houston for Katrina only to lose power 3 days with Rita. With these monster storms you don't know how long you will be gone. So, lower the beam, retract the elements, lay down the vertical, empty the fridge, turn off the gas meter, unplug everything. A neighborhood BBQ is a good way to get rid of the food.

And, unless you like sitting in traffic 21 hours, evacuate early!



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Additional Hourly Door Prizes!

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Steve Lane, W3SRL at (412) 341-1043 or Bill Hill, W3WH at (724) 746-1776

E-mail us directly at washarc@yahoo.com Check out our website too! www.washarc.org

Hamfest Table Reservation Form—Please PRINT LEGIBLY ALL INFORMATION

Name: _____ Email: _____

Address: _____ Phone: () _____ - _____

City: _____ State: _____ Zip: _____

Call Sign: _____

Tables WITH Electricity: _____ X \$15.00 = _____

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(check quarter _____) →
(check one ↓)

1st Qtr **2nd Qtr** **3rd Qtr** **4th Qtr**
Jan-Mar **Apr-Jun** **Jul-Sept** **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 (F1 or F2 or A1 dues x 20% x No. of household family members): \$ _____

Name(s): _____

Name: _____

Call Sign: _____

Address: _____

License Class: _____

City, State: _____

Expires On: _____

Home Phone: _____

Work Phone: _____

Email Address: _____

Birthday: _____

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- I do NOT want to be added to the Club E-Mail Reflector
 I do NOT want to be added to the Electronic Newsletter Mailing List

ARRL Member? Yes No Family ARRL Member? Yes No

Date: _____

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

Amount Enclosed: \$ _____

Signature: _____

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:

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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: _____

Call Sign: _____

Address: _____

Date of Birth: _____

City, State, ZIP: _____

Total Enclosed: \$ _____

Please Check the Appropriate One-Year Rate:

- \$39 in US
- Age 65 or older, \$36 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

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

Name & Call Sign: _____

Name & Call Sign: _____

Name & Call Sign: _____

Inside This Issue:

- Dormont Ham ordered to take down his rooftop antenna(s)!
- Pa QSO Party Results from our Three Club Stations! With pictures yet!
- If you think your contest didn't go well, have we got a little story for you....
- Latest information on the Christmas / Holiday Party!
- A brief word on Hurricane Wilma!

All this & much more... waiting for your right inside these pages!!!



Concentration

Lori KB3GMU and Paul NØVLR operating from WA3SH / Fayette in the 2005 Pennsylvania QSO Party.

Photo courtesy of & Copyright ©2005 Kevin F. DeRose N3KFD

More Pa QSO Party photos & results inside!

WASH Christmas / Holiday Party
Thursday, December 8th
Calabria's, Route 88,
Castle Shannon

The WASHRag

Wireless Association of South Hills, Inc.

Ron Notarius WN3VAW, Editor

946 Sleepy Hollow Road

Castle Shannon, PA 15234-2222



N3SH / WA3SH
NP2SH/B

www.washarc.org