



## Symposium Wrap-Up

It was June 2006 when Jim Sanford and I kicked around the idea of hosting an AMSAT Symposium in Pittsburgh. Before submitting a proposal to AMSAT I asked the club for support because hosting this event could not happen without the club's backing. We put together the proposal in time for the AMSAT Board of Directors' meeting in October 2006 and shortly thereafter heard that our proposal was accepted.

One year later it is history. The time in between was filled with hundreds of phone calls and emails and dozens of meetings and letters. I don't know how Pat Sanford, KC4WTT felt throughout the year but I had some doubts about pulling this thing off. But the fact was that I had nothing to worry about. WASH members pulled through in a fashion that by now I know is typical.

Pat Sanford and I could not have been more proud of being members of the [WIRELESS ASSOCIATION OF SOUTH HILLS](#). The club pulled through in a way that impressed AMSAT and Symposium attendees. Here are a few comments sent to the AMSAT reflector:

- All The 2007 conference was FANTASTIC FANTASTIC; thanks to the organizers. – Nick Pugh
- The Pittsburgh team outdid themselves. I really enjoyed Foster City but this year was even better and pretty close to the top of my list of best I have attended. So let me join Nick in thanking the team there and saying I hope we see even more people being there next year. - Bob (McGwier), N4HY
- RSØISS-4]CQ,SGATE,qAo,KC4TWO-1:]ARISS - International Space Station (BBS/APRS on) K9JKM] CQ,RSØISS-4\*,qAo,NOAN:Thanks to the Symposium Committee in PA! K9JKM]CQ,RSØISS-4\*,qAo,NO5X-4:=4211.29N/08827.08W-Go AMSAT Phase IV! Yes, thank-you!-- 73 de JoAnne K9JKM
- I would like to thank you for all the wonderful moments passed during the symposium of this year and for the reception that I have received Thank you again and I hope we can see as soon as possible....." 73 de Giulio IZ4FVW AB2VY ITALY

Folks, Pat, Jim and I received many more comments like this throughout the weekend but then here is the press release in the AMSAT weekly news bulletin:

SB SAT @ AMSAT \$ANS-301.02  
Congratulations and Applause for the Symposium Committee  
AMSAT News Service Bulletin 301.02  
From AMSAT HQ SILVER SPRING, MD.

October 28, 2007, To All RADIO AMATEURS:

This weekend's AMSAT Space Symposium featured:

- + The AMSAT Annual Membership Meeting

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### Next Meeting: November 8<sup>th</sup>, 2007

The next monthly meeting of the [WIRELESS ASSOCIATION OF SOUTH HILLS, INC.](#) will be Thursday, November 8<sup>th</sup>, at the [Peters Township Library](#), 616 East McMurray Road, McMurray, starting at 7:00 PM.

2008 Officer Elections, the Symposium & QSO Party wrap-ups, and the 2 Meter Simplex Contest and [WASHFest](#) 2008 will be amongst the topics of the evening.

Talk-in on the 146.955(-) N3RNX/R and 443.650(+) N3FB/R Repeaters (131.8 PL). All members, guests and interested parties invited!

### Where Do I Begin?

...it's been awhile?

#### November

Pa QSO Came and went. Everyone who participated had a blast!! I got to talk to a lot of members throughout the party. It was great making QSO's with Ted, W4ZE in South Florida. Did I forget to mention my late night CW QSO with Ron W3WN? Boy was that a challenge to copy each other at 20 minutes to 1 in the morning. I was up in Venango County at my parent's house along with Paul NØVLR, Kevin N3KFD, and Kevin N3HKQ and his wife.

Boy what fun we had! There is something about Chili, Margaritas' and radios that sure get us going. Thanks to Bill W3WH and Larry K3VX for giving us our last county need for a claimed clean sweep. As Harold says, "You guys put the **party** in PA QSO Party!!" Until next year...

#### AMSAT Symposium 2007 Pittsburgh

For those of you who attended the Symposium as volunteers or just to visit/attend, it was great. Kevin and Pat did a great job organizing the event. From what I hear, we received many compliments!! The tower trailer made it there in one piece, with the help of Paul NØVLR (Driver), Dave N3DFK for his awesome

(Where Do I Begin? Continued on page 2)

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# Where Do I Begin?

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makeshift antenna mounting system; Bob AB3ED, Kevin N3HKQ and myself assembled the tower and raised it.

I hope that we made a long lasting impression on those who attended the Symposium. Thank you to all who helped out with the Symposium in any

way. Your help and involvement was appreciated on many levels. I am glad to see the club pull through for Kevin and Pat when they needed us the most. Again, thank you. With that said and it being all over, Alcoholic beverage anyone?

### Christmas Party Anyone?

At the last meeting Carol KB3GMN has informed us that she will be unable to organize this years Christmas party due to medical reasons. After talking with a few people, I would like to organize a simple yet fun event. **Chucky Cheese!!** Naaa, just kidding. I would like to say, go to Ponderosa, Hoss's (if there are any left) The Golden Corral, Olive Garden or any restaurant that has one of those side rooms that we can all be in. This way, you get order what you want and enjoy the company of your fellow/fellowette club members. I would like to have the Chinese auction at the January Meeting. Any thoughts? Lets discuss at the November meeting.

### Final Words

I must say, this year as president has been quite challenging. This year we did not have quite as good of a Ham Fest (not collecting as much money as years prior) Heated debates on the tower trailer project, Field Day issues, PA QSO Party and the Symposium. I had a great time being your president and leading you throughout these tough past many months, and I thank you for giving me the chance and opportunity to be apart of this club. It has been an experience I will never forget.

I regret to inform you that this will be my final year as president. This year has been very trying for me emotionally and physically and I am sorry to say I am unable to remain in office. I have had loads of fun in the activities we did and look forward to next year. I will however remain as the head of the Tower Trailer Project/Committee and I will remain the Wash Club Webmaster.

Thank you for a good year, and until next month...

— Randy George N3ZK, President  
Wireless Association of South Hills, Inc.  
N3SH / WA3SH / NP2SH/b



Clean Sweep!  
67 Counties!

N3ZK Venango Photos courtesy of and  
©Copyright 2007 Randy George N3ZK



Paul NØVLR



Kevin N3HKQ



Kevin N3KFD

## WASH 2007 OFFICERS

### EXECUTIVE COMMITTEE:

President Randy George N3ZK  
VP / Secretary Frank Bobro N3FB  
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 / NP2SH QSL Manager	Ed Oelschlager N3ZNI
VE Team Liaison	Jacqué Gosselin N3ZEL
Webmaster	Randy George N3ZK
Quartermaster	Harold Rosenberger K3HCR
WASH FM Net Manager	Kevin Smith N3HKQ
WASHFest 2008 Committee	Kevin Smith N3HKQ, Chairman Carol Danko KB3GMN Bill Hill W3WH Kevin Smith N3HKQ
Activities & Operating Events	Larry Comden K3VX
Ways & Means	Carol Danko KB3GMN
W3P PVGP 2007 Coordinator	Bob McCloskey W3RJM
AMSAT Symposium Coordinators	Kevin Smith N3HKQ Pat Sanford KC4WTT
Field Day 2008 Coordinator	Larry Comden K3VX

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

Mt. Lebanon	N3RNX / 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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Editor & Publisher: Ron Notarius W3WN

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Ron Notarius W3WN  
3395 Rosewood Drive  
Castle Shannon, PA 15234-2546

e-mail: [newsletter at n3sh dot org](mailto:newsletter@n3sh.org) or [w3wn at arri dot net](mailto:w3wn@arri.net)

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

As always, special thanks to the owners of both the N3RNX/R 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. Special thanks also to Glen Roberts KE7FD of The Internet Guild for his assistance in providing space on-line for our website for back issues of "The WASHRag™" which can be found at [www.washrag.info](http://www.washrag.info)

# WASH Amateur Radio Club News Briefs

## Next WASH VE Test January 17<sup>th</sup>

The Next WASH VE exam sessions will be Thursday, January 17<sup>th</sup>, 2008, 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](mailto: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 17<sup>th</sup>, 2008  
 Thursday, July 17<sup>th</sup>, 2008  
 Thursday, October 16<sup>th</sup>, 2008  
 Thursday, January 15<sup>th</sup>, 2009

## WIRELESS ASSOCIATION'S 15<sup>th</sup> Anniversary 1993 – 2008

Next year marks the 15<sup>th</sup> Anniversary for WASH. Have any favorite stories or tall tales about the early days of the club? Let us know — we hope to run some of those in future newsletters!!

October 27<sup>th</sup>, our usual breakfast morning, was superseded by the presence of most of **the WASH Breakfast Gang** at the Airport Marriott to help set up, register, record, and otherwise assist the 2007 AMSAT Space Symposium. Fortunately, most of us found coffee awaiting us (OK, Starbucks, but that's about as close to coffee as you were going to get!). There was a thought of getting together for a quick bite, but between being busy and one thing after another... did the hotel restaurant really charge a Symposium attendee \$20 for breakfast?... it didn't happen. Regardless, Ye Editor's faulty memory remembers seeing, amongst many others, N3HKQ, WB4GCS, KC4WTT, N3DFK, KB3HVN, KB3LIV, N3QMV, N3ZK, NØVLR, KB3NVL, KB3NVM, AB3ED, N3SBF, KA3GMN, KB3FNM & Mary Lou, N3BPB, WC3O & the gang from Skyview (sorry guys, didn't get all the calls!), K3VX, N3IDH, MC W3WH, and asks forgiveness of those whose calls he forgot! (And we should mention that N3ZEL, N3ZNI, & N3FB were also there last week end, but not at the same times as Ye Editor!) A great job by all!

John Rodgers N3MSE, of Butler, has been appointed Section Manager of the Western Pennsylvania Section., effective October 24<sup>th</sup>. He will complete the term of office of Larry O'Toole K3LBP, of Mount Pleasant, who stepped down due to health reasons; he has served as Section Manager since April 2006. N3MSE previously served as WPA Section Manager from January 2000-September 2003. His term of office continues through December 31, 2008.

- + Board of Directors meeting
- + Over 30 technical presentations
- + Discussion of the future of AMSAT and Amateur Radio in Space
- + Technical Demonstrations
- + Mentoring of students to build their own antenna and make their first satellite contact.

Continued from Page 1

The Symposium was hosted by the **WIRELESS ASSOCIATION OF SOUTH HILLS** Amateur Radio Club and area AMSAT members. The huge success of the Symposium was driven by co-chairs: Kevin Smith N3HKQ and Pat Sanford, KC4WTT. A wonderfully capable team who ensured their success included:

Jim Sanford WB4GCS, Dave DeMotte N3IDH, Richard Crow N2SPI (student mentoring a successful satellite contact), Bill Hill W3WH (Master of Ceremonies), Randy George N3ZK, Robert Timmins AB3ED, Paul Lusardi NØVLR, Hank Marzina KB3FNM, Mary Lou Marzina, Ed Oelschlager N3ZNI, Jacqueline Gosselin N3ZEL, Larry Comden K3VX, Frank Bobro N3FB, Dan Schultz N8FGV Dan McCann KB3HVN, Georgeianne Sarco KB3LIV, and Dave Kitzinger N3DFK

Details and photos of the Symposium will be published in upcoming editions of The AMSAT Journal. Thank you for all your help!

I want to also acknowledge Bill Kristoff N3BPB, for obtaining proclamations to AMSAT from Pennsylvania Governor Rendell and Allegheny County Executive Onerato. This was a big deal to the AMSAT folks. They went nuts over this! Then I need to thank Bob Bastone WC3O, and the crew from the Skyview Radio Society who assisted the students who built their own antennas for satellite tracking. Every student was successful in using their homemade antenna to listen to a satellite pass and hear the downlink. Each student had a handheld radio with help from the Skyview group.

I could be wrong but I think we set a very high standard for future Symposium hosts to live up to.

On behalf of Pat Sanford, I thank you all for agreeing to back the effort and supporting it in the way you did. We put Pittsburgh on the map as far as AMSAT is concerned!

— 73 Kevin Smith N3HKQ

No, really... Ye Editor spent a little time helping to host the hospitality suite, and heard nothing but great comments about how well the Symposium was doing, and how much the hard work of the organizing committee and the WASH members helping out were doing. We may have set the bar too high... a few people want to keep coming back to Pittsburgh every few years, because Pat, Kevin, Jim and the committee did such a great job!

And boy! Were they impressed with the Tower Trailer! Make sure you thank Randy, the driving force behind the project, for his hard work — it paid off. Oh, and we still have a FEW things to do to finish the job...

Now if we were only successful in talking Gerry K5SDR into coming to **WASHFest** in February...

**Pizza Night!**: As thanks to the club members for all their hard work, the Symposium Committee is having a special Pizza Night at the November club meeting. Contact N3HKQ and let him know if you're coming and what your preferences are. Don't forget that this is also the **Election for 2008 Club officers**, so if at all possible, please plan on attending!

**2007 Christmas/Holiday Party**: Carol KB3GMN has some minor medical procedures upcoming in December that will prevent her from organizing this year's event. N3ZK reports that other arrangements are being made and will be discussed at the November meeting.

**2008 WASH 2 Meter Simplex Contest**: We'd hoped to have the rules for January's contest published, but they weren't available in time. We'll have full rules available next month, and as soon as they are available, rules and summary sheets will be available on the club web site.

**On the mend**: Jack W9UK has been laid up with some medical difficulties, but he is mending. Keep him in your thoughts, and drop him a note while you're at it.

As you may have heard, our friends at the Steel City ARC have **paved Firestone Boulevard with 4 inches thick concrete** to really improve access to W3KWH! Our vehicle's shock absorbers thank you all!

## WASHNet 2007 NCS Schedule

- |                      |                                      |
|----------------------|--------------------------------------|
| 11/04 - Hank KB3FNM  | 12/23 - Carol KB3GMN or Richie N3SBF |
| 11/11 - Paul NØVLR   | 12/30 - Frank N3FB                   |
| 11/18 - Kevin N3HKQ  | 01/06 - Hank KB3FNM                  |
| 11/25 - Dave N3DFK   | 01/13 - Paul NØVLR                   |
| 12/02 - Bill W3WH    | Alternates                           |
| 12/09 - Kevin N3HKQ  | Dave N3IDH                           |
| 12/16 - Harold K3HCR | Ron W3WN                             |

**Join WASH or Renew your Membership for 2008 Today! Membership Application on Page 15**

## Minutes, October 11<sup>th</sup> Meeting

Frank Bobro N3FB, Vice President / Secretary, **WASH**

Randy, N3ZK, **called** the meeting **to order** at 19:00 hours. There were 26 members and guests in attendance.

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

A motion was made to **accept the minutes** of the September meeting as published in the September newsletter. KB3GMN motioned and NOVLR seconded. The motion was voted on and passed.

Committee reports:

**Treasurer (N3RDV):** No report.

**Secretary (N3FB):** Look into World Radio to get club info into it.

**VE Report (N3ZEL):** VE Session next week.

**Website (N3ZK):** It is up and running there is a need for material, please send to Randy.

**Repeaters (N3RNX, W3SRL & N3FB):** 443.65 machine is well 442.550 and 2 meter machines are running well. Steve would like to send a new letter to Mt. Lebanon on the agreement for the repeater site.

**FM Net Report (N3HKQ):** Net schedule is working well and the online logs are coming in.

**Ways and Means (KB3GMN):** 50/50 after the meeting. Carol will be unable to coordinate the Christmas party this year. We are looking for a volunteer to take over this task.

**Public Service (N3IDH):** Dave thanked people who helped with the SET last week.

**Contests (K3VX):** PA QSO Party is this weekend starts noon sat to 1AM Sunday then picks up at 9AM and runs to 6 PM. Plans for operations were discussed and everyone exchanged where they would be located for the contest:

- + WACOM will be operating in Washington County.
- + Please put "Wireless Association of South Hills" as the club affiliation exactly as above so that the club will get credit.
- + Larry & Bill will operate N3SH.
- + CQ World Wide SSB last weekend of the month – the same weekend as AMSAT.

**Quartermaster (K3HCW):** Harold brought some equipment to distribute after the meeting.

**Newsletter (W3WN):** Newsletter is out.

**President's Report (N3ZK):** Randy discussed his operating plans for the PA QSO Party from Venango County. Paul, NOVLR, Paul, KB3KOT and Kevin, N3KFD, will make up the crew. Ted, W4ZE, will be operating from Florida this year.

**Old Business:**

**AMSAT (N3HKQ):** Kevin updated us on the status of the AMSAT symposium. The show is coming along nicely. He has a nice array of prizes to pass out to attendees. There are a lot of good presentations in this convention, Paul NØVLR, has designed a brochure and Larry has been coordinating the program. The program will be black and gold and very glossy; it is a nice looking book. As of last Friday, 110 people had pre-registered that is about the number that was expected to attend and it is right in the average.

Bill made a motion to allocate up to \$200 for miscellaneous seconded by W3RJM. It was voted on and passed.

**New Business:** Nominations are open for President and Vice President / Treasurer.

The floor was opened for nominations for President.

- + K3VX was nominated by KB3GMN.
- + N3ZK was nominated by N3QMV.

A motion to close the nominations for president was made by W3WN and seconded by AB3ED it was voted on and passed.

The floor was opened for nominations for Vice President / Treasurer.

(Meeting Minutes Continued on page 12)

## WASH Spotlight: N3ZK/VEN



Must have really been something in all of that Chili and Margaritas they consumed up in Venango County during the Pa QSO Party... what, I'm not sure I want to know!

Photo courtesy of and © Copyright 2007 Randy George N3ZK

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

AB3ED	KB3KOT	N3FB	W3SRL	WASH /MM	Silent Keys
AB3EN	KB3KQY	N3FPF	W3VFA	KA3UPY	
AE3DL	KB3NSG	N3HKQ	W3WH	WASH GA	
K3EED	KB3NVL	N3IDH	W3WN	K3OL	K3EED
(Cindy)	KB3NVM	N3PN	W4ZE	KB3IJX	(George)
K3HCR	KB3ORR	N3QMV	W8LEV	WASH NE	KB3ENX
K3LGM	KB3PHJ	N3RDV	WA3JPP	NØPEU	KB3FQT
K3SGT	KB3PNE	N3RNX	WA3RVD	WASH NY	N3FZ
K3VX	KB3PSB	N3SFB	WA4ONC	KE3XB	N3KEH
K3WJL	KC4WTT	N3TXH	WB4GCS	N3YPB	N3OBD
KA3RAO	KE7FD	N3ZEL	W03Z	WASH OH	N3SKR
KA3TWI	KN3A	N3ZK	Heywood	N8DPW	N3SRC
KB3DCO	NØVLR	N3ZNI	Eicker	WASH TX	N3XFE
KB3FNM	NØWPV	N9OKM	Woody	K3LGM	W3ZLK
KB3GMN	N2QIV	W3BC	Eicker	Jane Wagner	
KB3GMP	N3AWF	W3JJC	Lee Rice	WASH VI	
KB3GMU	N3BPB	W3LE	Jane Wagner	NP2JF	
KB3HFP	N3CZZ	W3RJM			
KB3HVN	N3DFK	W3RWS			
KB3IAC					
KB3IRQ					
KB3IVW					
KB3IVX					

Through October 31<sup>st</sup>, 2007

List compiled by

Mark Stabryla N3RDV, Vice President/Treasurer

# ***ARRL vs FCC in Federal Court Re: BPL Issues***

ARRL Web Extra courtesy of the American Radio Relay League

On Tuesday, October 23, the ARRL faced the Federal Communications Commission in the US Court of Appeals over the continuing debate concerning harmful interference to licensed radio services from unlicensed Broadband over Powerline (BPL) systems. BPL is the delivery of broadband Internet communications using unshielded electrical wiring to conduct high-speed digital signals to homes and businesses. BPL systems are designed to conduct RF energy through unshielded, medium voltage power lines, using some or all of the HF spectrum between 1.7-80 MHz. At those frequencies on unshielded overhead power lines, the electrical wiring not only conducts the signals, it radiates them very efficiently for very substantial distances from the power lines.

## **Background**

In October 2006, the League petitioned the United States Court of Appeals for the DC Circuit to review the FCC's October 2004 *Report and Order (R&O)* in ET Docket 04-37 and 2006 *Memorandum Opinion and Order* which generally denied all of the 17 petitions for reconsideration. In its brief initially filed May 17, the ARRL contends, among other things, that the FCC's adoption of rules to govern unlicensed BPL systems fundamentally alter the longstanding rights of radio licensees, including Amateur Radio operators. Specifically, the FCC order, while adopting rules that it claimed would minimize instances of harmful interference to licensed services, eliminated a fundamental requirement for unlicensed devices, and held for the first time that BPL systems need not shut down in the case of unresolved instances of harmful interference to "mobile" stations.

The ARRL argues that the FCC's BPL rules violate Section 301 of the Communications Act, which requires that operators of devices that emit radio frequency energy which have a substantial interference potential cannot operate without an FCC license. "For years, the FCC has consistently read Section 301 to apply to unintentional radiators, such as BPL devices, and has expressly embodied that interpretation in its rules," the League's brief recounts. The brief notes that extensive studies done by the National Telecommunications and Information Administration conclude persuasively that interference from BPL to mobile stations can be expected at distances up to almost a football field, and to fixed stations at distances up to five football fields.

The Commission then compounded its error by asserting that BPL devices do not fall within Section 301 at all, the League said. "This hail-Mary attempt at justification is another unexplained departure from prior policy that independently requires invalidation of the orders," the ARRL remarked in its brief.

The ARRL contends that the FCC orders under review "jeopardize the license rights of ARRL's members and other license holders by authorizing providers of a new device — Access Broadband over Power Lines, or 'BPL' — to send radio signals across the electric grid in the frequencies the license holders occupy, but without having to obtain an FCC license."

## **The ARRL States Its Case**

Each side had 20 minutes to present their case, with the League going first. Attorney Jonathan Frankel, of the WilmerHale Law Firm, argued the case for ARRL before the three judge panel; Attorney C. Grey Pash, of the FCC General Counsel's office, argued for the FCC. According to ARRL President Joel Harrison, W5ZN, who attended the Court session, Frankel's argument centered on the removal of interference protection for licensed mobile stations, and the Commission's rules for measuring interference. "Frankel received multiple, direct questions from each of the judges concerning the topics in the briefs, and responded to each very well," Harrison said.

"Judges Tatel, Rogers and Kavanaugh interrupted both sides repeatedly with intelligent, challenging questions," ARRL Chief Executive Officer David Sumner, K1ZZ, said. "For example," Sumner continued, "while quizzing Frankel, the judges sounded skeptical that interference to mobile stations couldn't simply be regarded as 'not harmful' because it was temporary; but then, when quizzing the FCC's attorney, Judge Tatel said in response to the statement that 'mobile stations could simply move,' that in the case of BPL in Manassas, Virginia for example, you can only get away from the interference by leaving Manassas.' It wasn't, he went on to say, like a garage door opener."

For the first time in decades, the FCC decided against requiring that operations found to cause "harmful interference" be shut down immediately — a stance that ignores the "right of the license holder to be free from interference," Frankel said in court. The FCC has also withheld portions of studies that would "potentially" show BPL does cause harmful interference to other devices — and ignored reports of tests the ARRL argues offer "substantial" evidence of interference problems, he continued. "We're talking about devices that radiate for football fields in length and all along power lines," Frankel said of the BPL gadgets. "When you drive down the street, [an Amateur Radio operator's] service is interrupted constantly."

"All three judges were clearly very familiar with the written record. They spent a lot of time on the issue of what information the FCC had withheld from public view (redacted)," Sumner said. "In the course of the argument, the FCC's attorney had to acknowledge that the Commission's explanations in the BPL proceeding were deficient in a number of respects, although it wasn't clear that administrative agencies are held to a very high standard in that regard."

## **The FCC Fights Back**

Harrison said that Pash, the FCC's attorney, began his defense of the FCC orders and was almost "immediately interrogated" by the judges on the Commission's premise that "a mobile station in a licensed service should not be afforded complete protection from harmful interference just because it can just move away from the interference.

Pash also came under what Harrison called "considerable direct questioning" concerning the redacted material from the FCC's response to the ARRL's Freedom of Information request. ARRL had asked the FCC to produce all of what FCC described as "extensive" studies allegedly justifying its BPL order, on which the FCC relied in adopting the BPL rules. The FCC had deleted what appeared to be any material in that one single study that indicated that interference from BPL systems was likely. One page that was completely redacted was a Powerpoint slide titled "New Information Arguing for Caution on HF BPL." The FCC claimed that was not factual information, but just staff advice. Pash "attempted to present a position that the material pertained to 'staff opinion' that was determined to not be a basis for the FCC's decision," Harrison said. According to Pash, the redacted sections referenced earlier sections of the report, and were not "a bunch of new information," Harrison said.

Pash defended the Commission's approach. He said the FCC didn't require the so-called "cease-operations" rule because it didn't find ample evidence that BPL posed any real potential for "harmful" interference. He said the studies the FCC relied upon, including one by the US National Telecommunications and Information Administration, found that so long as the FCC restricts the strength of the signals emitted by BPL devices — as it did through its rules — others sharing that spectrum "won't notice a difference" in the quality of their services.

## **Waiting for the Decision**

Attorney Frankel reserved seven of his allotted 20 minutes for rebuttal of the FCC's arguments. He reiterated the League's position concerning mobile operations and also emphasized that "unless we have an opportunity to review the redacted material, no determination can be made as to its role in the FCC's rulemaking decision," Harrison said.

Both Sumner and Harrison said they were "quite impressed" with the knowledge that the judges had concerning the case and with the questions that they asked. Harrison said it could be "three months or more" before the Court announces its decision.

[Some information from cnet.com](#)

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*Washington County  
Fairgrounds*

Sunday, November 4<sup>th</sup>

8:00 AM to 1:00 PM

Setup at 6:30 AM

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145.490 & 443.300 MHz



**VE Testing starting at 10:00 AM**

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## ***What I Hear On the Band***

Christopher B. Hays WØBKR courtesy of [www.qrz.com](http://www.qrz.com)

Sure, there is some nonsense and stupidity on the bands, and I have stated some of this before, but just in casual listening while working on some stuff in the "shack", here is what I heard just tuning around.

1. A son and father having a rag chew. Dad got son interested in radio back in high school. Now son lives 800 miles away and keeps a schedule with his dad weekly. Mom in gone now and dad lives alone. They talk about an upcoming visit. Son will be driving down to get dad and bring him to their home for Thanksgiving. Dad talks excitedly about seeing the grandkids and how much, no doubt, that have grown.

Spin the dial.

2. A net in progress. A group of folks that meet nearly daily, at a prescribed time to exchange reports, chat for a bit and generally have fun. They seem to know many of the folks "checked in" and talk of a recent meeting where many of them had "eye ball" QSOs. It sounded like it must have been a huge success.

Spin the dial.

3. A hear what sounds like a newbie talking to a couple of OF's as we are called. They are discussing pros and cons of certain antenna configurations and passing on first hand experience about the newbie's antenna "system" and how he might improve it. The newbie is asking many questions, and the OF's are answering each and everyone in complete detail. They are generally having fun.

Spin the dial.

4. I hear a DX station, not a rare one by any means, working a small pile up, taking a moment to listen for YLs and then for QRP. I hear him working hard to pull the callsigns out but working the weak ones.

Spin the dial

5. I hear some folks doing something I haven't done in a long time. Sendin message traffic, using ARL numbers (which I have

**Continued on  
Page 11**



# 2007 AMSAT Space Symposium

photos & captions courtesy of and ©Copyright 2007 Bob Timmons AB3ED



AMSAT Setup



Tower Trailer In Action



Opening the Symposium



The Good, The Bad, The Ugly... and Randy



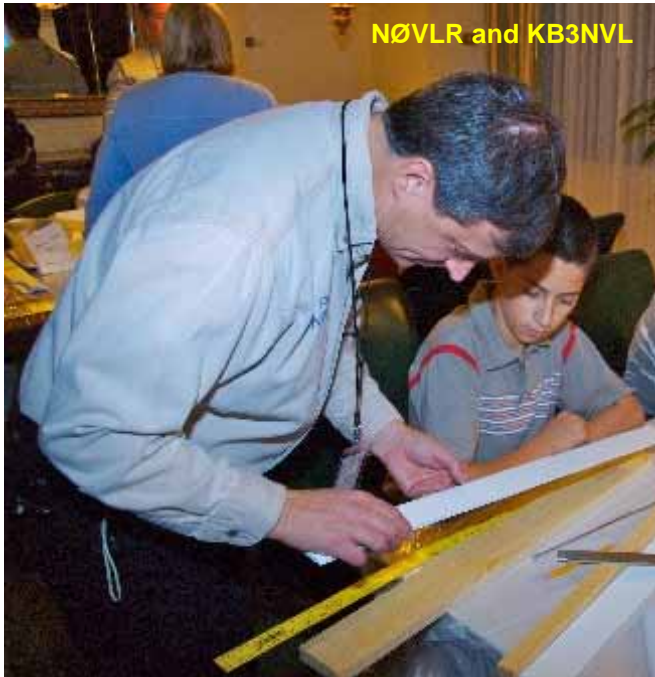
KB3NVM at the Antenna Workshop



Eagle Design Prototype

# 2007 AMSAT Space Symposium

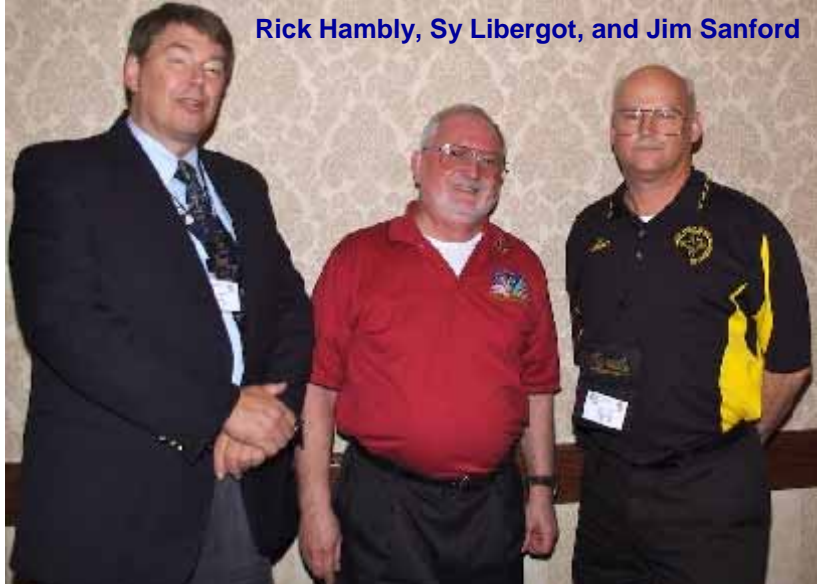
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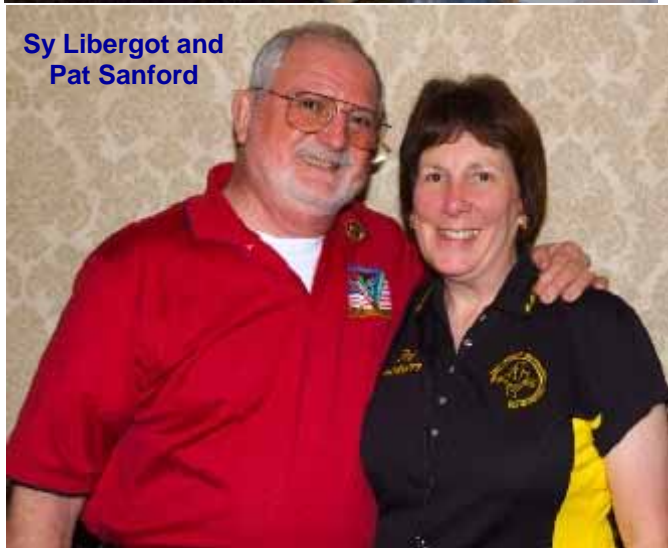
NØVLR and KB3NVL



Antenna Class Graduates



Rick Hambly, Sy Libergot, and Jim Sanford



Sy Libergot and Pat Sanford



I Won't Grow Up!



The MC



# 2007 AMSAT Space Symposium

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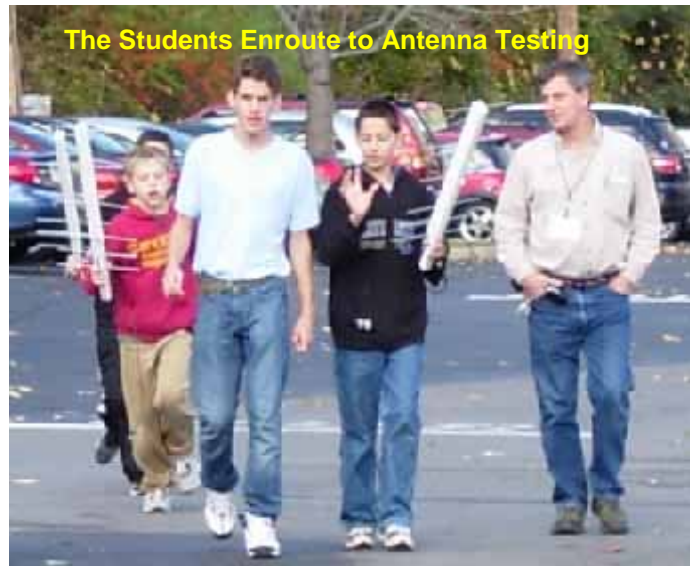
CanSat



KB3HVN recording KB3NMS's presentation to a packed house



L—R: N3HKQ KC4WTT  
KB3NMS & WB4GCS



The Students Enroute to Antenna Testing



Ready... Aim...



Sat	27Oct07	14:51 UTC
EDT	Az	EI
10:51	337	0
10:52	341	3
10:53	346	7
10:54	353	11
10:55	2	15
10:56	-15	-19
10:57	31	22
10:58	49	-23
10:59	66	21
11:00	80	17
11:01	91	12

# Tour of the new WPXI - HDTV Studios

photos courtesy of and ©Copyright 2007 Larry Comden K3VX



Master Control



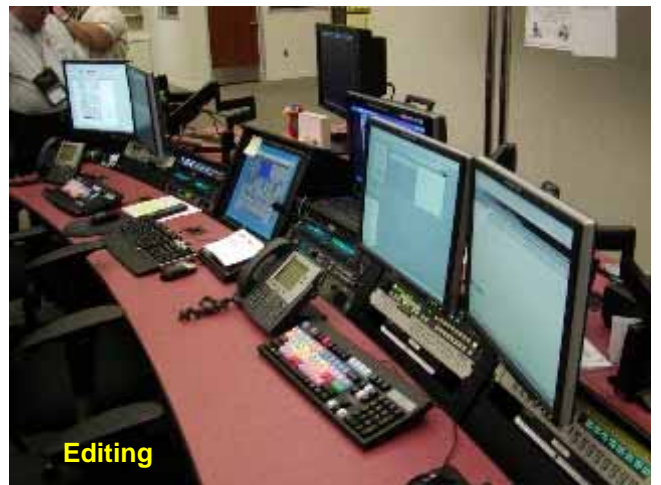
Patch Anything to Anything



Multi-Satellite Dish



The New "Chilly Billy"? N3BPB Takes Charge!



Editing



"Ground Control to Major Tom... Can you hear me, Major Tom?" (WC3O Photo)



N3DFK & KB3HVN Recording the Proceedings (WC3O Photo)

# “Steal” of a Deal

Thomas E. Jones KA4DQJ courtesy of [www.e3ham.net](http://www.e3ham.net)

June of this year found me in Cheyenne, Wyoming where I was visiting my son and grandson. One morning the wife and I decided to browse some of the thrift shops in downtown Cheyenne.

In one of those second-hand shops I spied a stack of amateur radio gear... someone's complete station. The stack's major items consisted of the following:

- Kenwood TS-520 Transceiver
- Kenwood SP-520 External Speaker
- Kenwood MC-50 Desk Mic
- Drake MN-2000 Antenna Coupler
- Heathkit HM-102 Watt/Power Meter
- K.E. Electronics Electronic Keyer
- No name straight key
- No name paddle key
- And some other odds and ends that I can't remember. But, the above list is complete for the major items.

First, it was odd to find ham gear in a thrift store; that was a first.

Even more odd (pleasantly so) was the price sticker... \$50. I had to rub my old eyes to make sure, but there it was, a sticker with \$50 on it!

I didn't bother to examine the gear. I started grabbing it piece-by-piece and marching it up to the counter where I paid \$50 plus tax for the entire lot. Three months later I am using the Drake tuner on my NVIS antenna system, having retired my cheaper meter-less MFJ tuner, and the TS-520 is part of a dedicated PSK-31 setup.

After a while, I got to wondering where all this stuff came from. On the face of the Drake antenna tuner is a call sign, WD8DNX. Silent key? I figured it would be a simple job to ID the station's former owner, but no such luck. I've tried every old call book I could locate on the Web and nothing on that call sign comes up...nada! QRZ.com is of course a complete strikeout.

So, I'm left wondering who used to own this nice station. Everything worked flawlessly even though I did do a complete re-alignment of the TS-520 just to say that I did.

Has anyone ever heard of WD8DNX? I picked up the station in "7" country, so if it's former owner lived in the 8 call area, the equipment somehow traveled across the Great Plains to that little thrift store in Cheyenne.

In any case, it's one of the more unusual stories of my three decades in this hobby!

## “What I Hear On the Bands” Continued from Page 6

forgotten). This message I am hearing is from a serviceman in Germany to his family in the states. Talks of how pretty it is there and how much he misses them. No doubt, this young wife and small family will be so happy to hear from "daddy/hubby".

Spin the dial

6. I hear a couple of guys, they sound like really OF's as they are called. They talk about what is going on with each other, and they sound as though they may not be that far apart, perhaps a couple of hundred miles. They don't get out much anymore and they mention the passing of a fellow ham friend. They talk with respect and sadness about their lost friend. They talk about how each is doing, one mentioning an upcoming hospital visit, his daughter taking him to the doctor. The other reassures him, being through the same procedure before, etc.

I hear many positive things on the band(s). Sure, I hear some negative stuff, but what do you focus on?

What do you hear?

**Yes! WA3SH/m did make a brief appearance in the 2007 Pa QSO Party from Forest County courtesy of N3ZK's truck's HF mobile unit, to hand out rare (this year) Forest County to a small handful of the deserving. Randy's photo shows the truck parked in their operating position just inside the county line!**

**WA3SH? QRV — Mobile — in the 2007 Pa QSO Party?**



## ♪♪ “We Will Have To Let You Know... Will He Stay or Will He Go?” ♪♪

**Hollingsworth to Stay Put at FCC** (October 30<sup>th</sup>, 2007) -- Riley Hollingsworth K4ZDH, Special Counsel for the FCC's Enforcement Bureau, has decided not to retire; he had announced last week that he would leave the FCC in January 2008. "After spending the entire weekend thinking about the decision [to retire], it became more and more clear to me that it just isn't the right decision for me right now. There are several issues on the table that I want to continue to work through with the amateur community."

The Enforcement Bureau is the primary organizational unit within the Federal Communications Commission that is responsible for enforcement of provisions of the Communications Act, the Commission's rules, Commission orders and terms and conditions of station authorizations, as well as Amateur Radio rules (Part 97) — *ARRL Web Extra* courtesy of *The American Radio Relay League*

# Thai Hams Get More!

ARRL Web Extra courtesy of the American Radio Relay League

On October 12<sup>th</sup>, radio amateurs in Thailand were granted permission to operate on 12, 17 and 30 meters and in the CW portion of the 80 and 160 meters on a permanent basis.

Before this time, Thai hams had only been able to operate on the 80 and 160 meters on weekends during international contests; authorization to operate on 12, 17 and 30 meters was only granted on a few occasions for certain special event stations.

These new privileges are part of a complete revision and consolidation of Amateur Radio regulations by Thailand's National Telecommunications Commission (NTC), and follows more than five years of lobbying by the Radio Amateur Society of Thailand (RAST), Thailand's IARU Member-Society.

Specifically, the Amateur Radio HF spectrum in Thailand increased as follows: 1.800 to 1.825 MHz, 3.500 to 3.540 MHz, 10.100 to 10.150 MHz, 18.068 to 18.168 and 24.890 to 24.990 MHz. RAST advises Thai amateurs to respect the IARU Region 3 band plan.

No changes were made to the VHF/UHF bands -- 6 meters (50-54 MHz) and 1240 MHz are still off limits. No transmissions are allowed on the 70 cm band (430 MHz), but it can be monitored or used to listen to satellite downlinks; 2 meters (144 MHz) is channelized and minor amendments were made to repeater allocations.

The full 37 page announcement of the NTC's *Amateur Radio Act of 2007* is published at RAST's Thai language Web site. According to RAST's English language Web site, an unofficial translation will soon be made available.

## Other Provisions of Thailand's Amateur Radio Act of 2007

Under the new regulations, all club stations in the provinces were given 180 days to register as a society. Each society must have a minimum of 20 members. Club stations must operate for at least three hours a day, a reduction from eight hours under the previous regulations.

The syllabus for the Amateur Radio examination has also been revised. Intermediate class operators must now be at least 15 years old to operate on the HF bands. Intermediate class operators must also continue to demonstrate sending and receiving Morse Code at 8 words per minute.

Dr Hamadoun Touré, Secretary General of the International Telecommunication Union (ITU), received his Amateur Radio license October 8. Touré, who holds the call sign HB9EHT, is from Mali. He has a Master's Degree in electrical engineering from the Technical Institute of Electronics and Telecommunications of Leningrad and a PhD from the University of Electronics, Telecommunications and Informatics of Moscow.

ARRL Chief Executive Officer and IARU Secretary David Sumner, K1ZZ, said, "Dr Touré has recognized the value of Amateur Radio throughout his two terms as Director of the ITU Telecommunication Development Bureau and now as Secretary General. It is wonderful to be able to welcome him to our fraternity"

*(Meeting Minutes Continued from page 4)*

KB3GMN was nominated by W3RJM

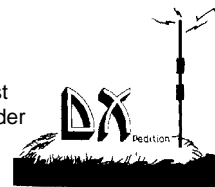
N3RDV was nominated by W3WH.

A motion to close the nominations for president was made by W3WH and seconded by W3WN. The motion was voted on and passed.

### Good of the Order:

**Motion to Adjourn:** Made by W3WH, and seconded by KB3GMN. The motion was voted on and passed. The meeting was adjourned at 19:51.

## DX News Briefs



The 2007 Clipperton DXpedition has released their first press release, formally announcing the DXpedition under the call **TX5C**. They plan to arrive on the island on or about March 4<sup>th</sup>, 2008, and be QRV for 12 to 14 days depending on conditions. The team of 22 operators have set a goal of 100,000 or more QSO's, including working as many European, Mediterranean, and African stations as possible. More information about this expedition can be found at the <http://www.clipperton2008.org>. — K4ZLE

The new QSL manager for **9Q1TB** is SM5DJZ, replacing SM5DQC, who became a SK in September — JA1HGY

G3NOM is still unwell and unlikely to recover from a stroke/heart attack. QSL cards for **V8NOM** have run out, and cards from **HSØ/G3NOM** are in short supply. Logs for both calls have been uploaded to Logbook of the World. Because of the circumstances, if you're not in the log, you're not in the log. — GM4FDM

The 35<sup>th</sup> **SEANet** (Southeast Asia Network) convention will take place 8—11 November month in Lampang, Thailand. Information and registration can be found at [http://www.sabah.net.my/seanet/seanet\\_2007.htm](http://www.sabah.net.my/seanet/seanet_2007.htm). They will be using the call **HS35SEA** during the convention — HSØZDX, K4VUD

F5TNI has suffered a major hard drive crash. The logs for **FR/F5TNI** are lost. No further QSL confirmations are possible — F1JKJ

Team **3C7Y** has their complete log available at <http://personal.telefonica.terra.es/web/ea5yn/3c7y.htm>. If your QSO is not in the log, send an e-mail to [ea5byp@telefonica.net](mailto:ea5byp@telefonica.net) — EA5YN

The VooDoo Contest Group will be QRV during the CQ World Wide DX CW Contest, 24—25 November. At present, they will be using **3XY5D**, although they have requested a shorter call. They have also been allocated **3XT1** for VHF and 2 meter EME work. QSL via G3SXW. More information at <http://www.voodoocontestgroup.com> — G3SXW

Look for **AHØV** and **KHØ/JI5USJ** from 10—14 January 2007 on 80 through 6 meters, including 60 meters and satellites. QSL AHØV via JI5RPT and KHØ/JI5USJ via JI5USJ — OPDX

Look for **3B8/SM7DKF** from IOTA AF-049 during his holiday 10—23 November. QSL via SM7DKF — SM7DKF

G3RWF will be on a solo DXpedition to Uganda as **5X1NH** from 21—30 November. He will be active in the CQ WW DX CW contest — NG3K

The Daily DX has dropped hints that a new, valid Palestine **E4** license has been issued and will soon be QRV. This will be the first legit Palestine operation in many years. Stay tuned for further information! — W3UR

## QSL Routes

1AØKM via IKØFTA — K1SEZ	HVØA via IKØFVC — W2IRT
5H1C via F5TVG — DO1DXX	J5UAP via HA3AU1 — K3WI
5NØNHD via JK1UWY — JQ2GYU	K7C 2005 via K4TJSJ — K7VC
6V7G via EA1FDI — EA1FDI	KG4IZ via K4ZLE — JA1HGY
6W1SJ via T93Y — T93Y	KG4MO via K4ZLE — JA1HGY
8P5A via NN1N — W2SC	MU5W via M3SDE — DO1DXX
8Q7AU via HB9OAU — HB9OAU	N8S via YT1AD — K6GEP
A45WD via YO9HP — K3WI	OR4A via ON4IG — DO1DXX
A52SY via ON4ON — DO1DXX	P33W via RA3AUU — RA3AUU
A71EM via EA7FTR — K3WI	PWØT via KU9C — PY7ZZ
AHØV via JI5RPT — OPDX	R1FJT via UA4RC — JA1HGY
AP2TN via DJ9ZB — JA1HGY	T3ØR via OK1RD — K6GEP
BV9G via BV2KI — DO1DXX	T3ØRY via OH1RY — NN3W
CN2BC via DL7BC — K3WI	T3ØONM via W4WET — W9OL
CO2OJ via K8SIX — N8DX	VP2ERD via NØAT — N8DX
CT3NT via CT1BOH — CT1BOH	VR1ØUW via VR2UW — K3WI
DPØMSM via DJ3FR — DO1DXX	XX9TTR via VR2RR — W2IRT
EA8AH via OH1RY — NN3W	ZA/UT7DW via DK6CW — K3WI
FL8HM (1972) via K4SKI — KZ2I	ZD8Z via VE3HO — N2ZN
FWØMO via OM2SA — W4DN	ZK3RE via HA8IB — K6GEP

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.



## WASH Classifieds

Information shown here is as supplied to the **WASHRag**. Condition as stated, and all sales should be considered "as-is" unless otherwise noted. All subject to prior sale or withdrawal from sale at the owner's discretion. All responsibility for this information lies with the source and not the **WASHRag** or the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.**

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## San Diego ARES Stands Down

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

Newington, CT, October 30<sup>th</sup>, 2007 — With the wildfires in Southern California well on their way to being contained, San Diego area ARES Amateur Radio operators have ceased assisting their served agencies; many hams had been called to action early last week. When the fires began early Sunday morning, October 21, ARRL San Diego Section Emergency Coordinator Jim Cammarano, KG6R, conferred with California Fire VIP Red Flag Coordinator Rich Beisgl N6NJK; Beisgl told Cammarano that local ARES groups were not needed at that time. "A few hours later, I called again and our status remained the same. They assured me that they would call me immediately if they required [assistance from] San Diego ARES. With the Santa Ana winds blowing, the fires had rapidly advanced far beyond the point where volunteer radio operators would be safe in performing such a role," Cammarano said.

Cammarano said that San Diego ARES "first started up an information Net before any concrete news from the mainstream media existed. People were checking in with facts about road closures, traffic congestion and reports on the locations of the fires. Once we were told to deploy by the San Diego County EMS [on Sunday afternoon], I initiated our Web-based automated call-out system that made more than 400 calls in less than five minutes."

Hams were deployed all over the San Diego area, including Mt Palomar, home of CalTech's 200 inch telescope. ARRL Assistant SEC Teri Rowe, KI6FKD, a Registered Nurse, was appointed Incident Command nurse, providing a supply of responders available for initial deployment and replacement personnel. "She compiled manpower reports and lined up personnel well in advance to the Medical Operations Center order to deploy. On Sunday evening, she manned three phones and two PCs monitoring the County WebEOC online message boards, keeping us updated with road closures, patient transports and hospital evacuations. She answered questions, reviewing the ICS forms and calling each hospital Incident Command RN or Officer to coordinate deployment of the responders," Cammarano said. "Mark Williams, KF6ZBF, manned the radio room at Kaiser Zion (a local hospital); he assisted an RN onsite who had her radio license, but who needed help. Mike Green, W6MTG, helped Teri on Tuesday, making calls to our members, all while evacuating from his home."

Many ARES hams were busy serving local hospitals, some working for more than 15 hours, Cammarano said. "Hospitals asked our responders to help get their staff deployed to the hospital to relieve their overworked personnel. At one point, a trauma center was in danger of losing a communications tower. Numerous hospitals were evacuated and patients were transported. We were there as back-up if the critical communications links were broken. As the order to change our status from deployment to standby came, many responders were asked for their contact information in case they were needed again." While many hams did not pass emergency traffic, many communicated critical information regarding the status of other hospitals to the various Incident Commanders at the facilities where they were deployed, Cammarano said. "The hospital staff was thankful for the support from our responders, for many feared that the fire might force the repeaters on Mt Woodson off the air, causing the hospitals' regional radio link to ambulances to fail, resulting in a serious impact of hospitals to prepare for arrival of critical cases or transports to other vital trauma centers in the county."

According to Cammarano, other ARES members volunteered at Qualcomm Stadium; with more than 5000 evacuees, this became the largest temporary shelter in the area. San Diego city officials closed the stadium, home to the NFL's Chargers, to evacuees at midday Friday and cleared the team to play its scheduled Sunday afternoon game there against the Houston Texans. After a week in which nearly a million Southern Californians fled their homes in seven counties, fewer than 50,000 people remain under mandatory evacuation orders in hardest-hit San Diego County.

Flames destroyed almost 2000 homes. The cost of homes destroyed by the wildfires is likely to top \$1 billion in San Diego County alone, an emergency official said.

Cammarano expressed his thanks to the amateurs who went above the call of duty to the public and to served agencies: "The San Diego Amateur Radio Community had high visibility to the County of San Diego and the nation; I want to acknowledge their many contributions to public safety. Other EmComm groups protected the citizens of San Diego. This was a community effort and San Diego ARES was part of a greater team who performed our mission to a high level. We had a part to play in contributing to the public safety and welfare of citizens of San Diego and Imperial Counties. I want to express our sincere appreciation to CERO, ECRA, MARA, PARC and SANDRA, for the use of their repeater systems. I heard many reports of their member's heroic efforts to keep the repeaters up and running, providing the county with this critical communications link."

**Has Roadway found the tower yet?**

Now in our THIRTEENTH big year!



# WASHfest 2008

The South Hills Hamfest

Sponsored by the Wireless Association of South Hills Amateur Radio Club, Inc.

Sunday, February 24<sup>th</sup>, 2008

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

Castle Shannon VFD Memorial Hall

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Kevin Smith N3HKQ at (724) 228-4153 or Bill Hill W3WH at (724) 746-1776

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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  
111 Watson Drive  
Monongahela, PA 15063-1045

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 2008



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

(check quarter  $\longrightarrow$ )  
(check one  $\downarrow$ )

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

- (F1) Full Membership: \$20.00 \$15.00 \$10.00 \$5.00
- (F2) Full Membership < 18 or > 65 yrs of age: \$10.00 \$7.50 \$5.00 \$2.50
- (A1) Associate Membership: \$10.00 \$7.50 \$5.00 \$2.50

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

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

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

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

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

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

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

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

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

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

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

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

New Members Only:

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

ARRL Member?  Yes  No Family ARRL Member?  Yes  No

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

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

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

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

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: \_\_\_\_\_

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)

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

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

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

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

Dues subject to change without notice

# Inside This Issue:

- AMSAT Symposium News! T-3!
- Antenna Tips! Tower Tips!
- Broadcasters Kvetch at the FCC!
- A Ham's Antenna Contentional Use Permits are revoked in California!

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



***Cheese!***

N3QMV & K3VX at the Registration Table at the 2007 AMSAT Space Symposium.

More photos inside!

Photo courtesy of and ©Copyright 2007 Bob Timmons AB3ED

## The WASHRag

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



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NP2SH/B

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