

Wireless Association of South Hills

TΜ WASHRAG www.n3sh.org www.washrag.info

Field Day Results

Raw Scores excluding Bonus Points: N3SH: Class 3A **15 Operators** CW QSOs: 604 x 2 = 1208 Points Digital QSOs: 11 x 2 = 22 Points Phone QSOs: $385 \times 1 = 385$ Points Total: 1615 Points Power Multiplier: x 2 Total Claimed Points 3230

WA3SH. Class 4A

5 Operators	
CW QSOs: 121	x 2 = 242 Points
Digital QSOs:	45 x 2 = 90 Points
Phone QSOs:	484 x 1 = 484 Points
Total:	816 Points
Power Multiplier:	x 2
Total Claimed Poir	nts 1632

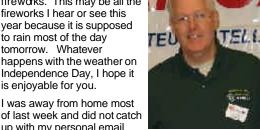
And the winner is: Everyone! A good time was had by all!

Presidential Words

It's July 3rd as I write this and I am hearing quite a few

neighbors getting a jump on the July 4th holiday by firing off fireworks. This may be all the fireworks I hear or see this year because it is supposed to rain most of the day tomorrow. Whatever happens with the weather on Independence Day, I hope it is enjoyable for you.

I was away from home most



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JULY 2006

N3SH WA3SH

NP2SH/B

up with my personal email until this weekend. There was quite a lively exchange between participants of the two WASH Field Day groups. While the Library Sportsman's Club group had more total QSO's, the Raccoon Creek Park group made the most of various bonus categories. What really impressed me was Randy George's website documenting the Raccoon Creek Park group's effort so soon after the event. It bothers me frankly that the club's website doesn't have same update. In fact it has almost nothing in it! I want this to change and if I had the programming expertise I would do it. I know I could probably learn it, but until that happens I am sure we have some club members who could help with adding content to the website. Go to www.n3sh. org and you will see a shell is in place. All we need is content added. To get this started, please send me pictures that were taken at Field Day at either site. I will summarize the scoring from both Filed Day groups and submit everything to Rick Bell. In the meantime I will get the information required to access and update the website. If you can help with this task

(Presidential Words Continued on page 3)

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Next Meeting: July 13th, 2006

The next monthly meeting of the WIRELESS ASSOCIATION OF SOUTH HILLS, INC. will be Thursday, July 13th, at the Peters Township Library, 616 East McMurray Road, McMurray, starting at 7:00 PM.

Field Day wrap-up, Pa QSO Party planning, the tower trailer, and the Star Party Special Event Station, along with other topics, will be discussed .

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

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:

- Somerset Co ARC Hamfest July 16th
- Skyview RS Swap 'n' Shop August 27th
- **Butler Co ARC** Hamfest September 10t
- Ca QSO Party October 7 & 8th
- Pa QSO Party
- October 14 & 1 ARRL CW
- Sweepstakes November 4 & WACOM
- Hamfest November 5th

		Ju	ly ź	200	6	
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6 WASH Meet	^{ing} 7	8
9	10	11	12	13 WASH VE T	est 14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29 WASH Breakfas
30	31					

WASH 2006 OFFICERS

EXECUTIVE COMMITTEE:

President

Kevin Smith N3HKQ Paul Lusardi NØVLR Mark Stabryla N3RDV

Steve Lane W3SRI

Paul Jordan NP2JF

Bob Sanford AA3FI

Kevin Smith N3HKQ

Carol Danko KB3GMN Bill Hill W3WH

Kevin Smith N3HKQ

Larry Comden K3VX

Carol Danko KB3GMN

Paul Lusardi NØVLR Randy George KB3KGP

Ron Notarius W3WN

Ted Huf W4ZE

Jacqué Gosselin N3ZEL

Harold Rosenberger K3HCR

Steve Lane W3SRL. Chairman

VP / Treasurer AND WE COULDN'T DO IT WITHOUT:

VP / Secretary

N3SH / WA3SH Trustee NP2SH Trustee N3SH / WA3SH / NP2SH QSL Manager Ed Oelschlager N3ZNI VE Team Liaison Webmaster Quartermaster WASH FM Net Manager WASHFest 2007 Committee

Activities & Operating Events

Ways & Means Mobile Tower Project

Pa QSO Party SES Coordinator

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)

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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 WASHRagTM" which can be found at www.washarc.org or www.djernes.org/ washrag

WASH Amateur Radio Club News Briefs

Next WASH VE Test July 20th

The Next WASH VE exam sessions will be Thursday, July 20th, 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: (tentative)

Thursday, October 19th, 2006 Thursday, January 18th, 2007 Thursday, April 19th, 2007 Thursday, July 19th, 2007

(Presidential Words Continued from page 1) let me know.

The Canadian team of John Sluymer, VE3EJ. and Jim Roberts. VE7ZO (ex-VE3IY), has officially topped the 46team World Radiosport Team Championship 2006 (WRTC-2006) field with nearly 2.44 million points.

Operating as PT5M during the event, they will take home gold medals for the 2006 competition.

US teams took the second and third positions for silver and bronze medals respectively.

On a different subject, while at the Dayton Hamvention, several of us congregated at a vendor who makes pins like the Field Day pins. We were admiring what this vendor could produce when the idea was hatched to have a pin produced commemorating the N3SH Pa QSO party bonus station. The thought was to have the pins available to sell at 2007 WASHFest 2007 to anyone who contacted us during the contest. The proceeds would go to the emergency tower fund. I am not sure what the Pa QSO party spons ors think of this so we would need to fly the idea past them. If you want to check out the vendor, go to www.dxcoins.com and let me know what you think.

Speaking of the transportable tower, I really do not want to go another Field Day without having a tow er to use. As has become typical for us, getting a beam antenna in the air and back down was more "interesting" than it should have been. I want to discuss how WASH might expedite purchasing this tower possibly in time to use in October during the Pa QSO party.

There is a lot to talk at our next meeting about so please be sure to come on Thursday, July 13th at the Peter's Township Library.

> — 73. Kevin Smith N3HKQ President, Wireless Association of South Hills, Inc.

WASHNet 2006 NCS Schedule

07/02	Dave, N3DFK	09/24	Harold, K3HCR
07/09	Bill, W3WH	10/01	Carol, KB3GMN
07/16	Kevin, N3HKQ	or	Richey, N3SBF
07/23	Harold, K3HCR	10/08	Michael, KB3HFP
07/30	Carol, KB3GMN	10/15	Hank, KB3FNM
or F	Richey, N3SBF	10/22	Paul, N0VLR
08/06	Michael, KB3HFP	10/29	Frank, KB3FZU
08/13	Hank, KB3FNM	11/05	Dave, N3DFK
08/20	Paul, N0VLR	11/12	Bill, W3WH
08/27	Frank, KB3FZU	11/19	Kevin, N3HKQ
09/03	Dave, N3DFK	11/26	Harold, K3HCR
09/10	Bill, W3WH	12/03	Carol, KB3GMN
09/17	Kevin, N3HKQ	or	Richey, N3SBF

Field Day Weekend, June 24th began with a semi-packed house at The Beach House in Finleyville, but gathered once again werethe WASH Breakfast Gang. Preparing for the N3SH effort, or just coming to enjoy breakfaswt, were WN3VAW, K3VX, W8LEV, N2QIV, K3HCR, W3WH, N3DFK, KB3FNM, N3HKQ and Peg. Topics of the morning included mortgages, travel agencies, dance recitals, Pa QSO party logging, Montserrat DXPedition logging, bucking the computer, old & new calls, Butternut verticals, Firewire interfaces, frost in October, vacations, CW in the Army Signal Corps, Fishing in Vail CO, bears in the woods, Pike's Peak, Moose, high altitudes, FORTH, and oh yes, this little operating activity taking place later that day and weekend.

Our next breakfast will be on the last Saturday in July, for once nothing special about the day!We that you'll join us for the next club breakfast, on Saturday, July 29th, 2006, 8:00 AM, at The Beach House, on Library Road / Route 88 in Finleyville, just south of Trax Farms and adjacent to Mineral Beach. See you there!

Ye Editor apologizes in advance for this month's issue. It's not up to his usual standards by far. The last few weeks have been hectic, between one thing and another, and as a result, some items (like the calendar) just could not be completed in time or had to be dropped this issue. With any luck, life should be back to normal (what's that?) next month!

Speaking of which, if anyone has some free time the weekend of July 22nd & 23rd, please contact Ye Editor. Assuming the minor repairs have been completed, the pain has dried, and the new carpet has been installed, that's Move In weekend! No, the verticals haven't been installed... yet...

Pittsburgh Vintage Grand Prix is this coming weekend, July 15th & 16th. Late word from Corky N3MJP is that more operators are needed; he's also behind in his calls due to extenuating circumstances, and congratulations on the new baby! If you'd like to participate, contact Corky - or if this at the last minute, come to Schenley Park at 7:00 PM on Friday, July 14th. You can sign up even that late, get your credentials, and see Corky for your assignment — he'll find someplace for you, honest!

Larry K3VX will be getting around a little less easily the next few weeks, as he's about to have some minor knee surgery. Hope you get better soon — Corners 18 & 19A will miss you! Incidentally, Larry has passed along the remaining Field Day Pins to Ye Editor who will have them at the meeting for anyone still needing them.

CW Operators Needed: "I am a medical student at the University of Pittsburgh, who is currently conducting a summer research project in the laboratory of Dr. Fiez. She is a professor in both the Psychology and Neuroscience departments. A focus of our lab involves gaining a better understanding of language and

memory processing. We have recently turned to Morse code as a potential investigating tool due to its unique linguistic properties. Consequently, our lab is examining the differences between processing Morse code and speech in a simple memory task.

As you may already know, it is not easy to find people who are proficient in Morse code. Your involvement would create a unique opportunity to investigate this unexplored area of research.

We would greatly appreciate it if you would circulate this information to all of your members. Participants will be compensated 25 dollars, and will also be refunded for parking. They will be asked to hear and remember letters. The duration of the study is approximately one hour and thirty minutes. If there is interest, we can discuss any further details. Thank you for your time and consideration." — Dalia Balsamo, 718 LRDC, 3939 O'Hara Street, Univ. of Pittsburgh, Pittsburgh, PA 15260 412-624-6898 (phone) balsamo.dalia@medstudent.pitt.edu

Join WASH or Renew your Membership for 2006 Today! Membership Application on Page 9!

Minutes, June 8th Meeting

Paul Lusardi NØVLR, Secretary, WASH

Meeting called to order by Kevin Smith N3HKQ.

Moment of silence for recently departed silent keys.

Introductions as per our custom.

Committee Reports

Treasurer – Mark, N3RDV: Read and accepted.

- Secretary Paul, NØVLR Tower Trailer committee report w/Randy N3ZK: Recap of \$\$ raised, & goal. Looking for suggestions on other funding. Volunteers?
- VE Jacque, N3ZEL: VEC session July 20, 2006

QSL manager - Ed, N3ZNI: 5102 cards for Monserat

- Website Website up but needs a group to generate content. Rick is unavailable at this time, others will be able to update it as well
- Repeaters, APRS Digipeater, & NP2SH beacon Pete, N3RNX/Steve, W3SRL/Frank, KB3FZU: AD8J site in North Hills still available. Sent an email indicating interest. Electric bill \$15.42. Working on 443.65, PA was down, Scenery Hill needs to be adjusted. Newest ARRL guide does not mention 131.8 tone
- Club FM Net Kevin, N3HKQ: New schedules for the rest of 2006 sent earlier this week. Any comments from NCS stations.
- Public Service Mark, N3RDV/Dave, N3IDH: MS 150 Escape to the Lake THIS weekend. Pgh. Vintage Gran Prix – July 15 and 16 N3MJP contact person 412-851-9374 or 724-217-5458. N3IDH is now the Greene County ARES/EC

Contests - Ted, W4ZE: Mid Atlantic QSO party wrap-up

- Activities Field Day: N3SH Library Sportsman's Club K3VX:
- Going with less verticals, more NVIS
- Food will be provided as usual, bring desserts, ice

WA3SH Raccoon Park - N3ZK

- Quartermaster Harold, K3HCR: No report
- Newsletter Ron, WN3VAW: www.washrag.info to host washrag back issues once he has time to put the web site together
- PA QSO Party Bonus Station Ron Notarius WN3VAW: Ed & Dave will run N3SH Mobile. Three Primary stations will be N3SH Allegheny, N3XI Team Captain; N3SH Washington, W4ZE Team Captain; N3SH Fayette, KB3FZU Team Captain. N3SH Washington will run digital, CW & SSB. Secondary stations N3SH Clarion KB3GMN & N3SBF, possibly N3SH Butler w/K3AIR Team Captain, possibly N3SH Armstrong with KQ3DX & WN3VAW. Once Field Day is over, planning to start in earnest.

Ways and Means - Carol, KB3GMN: 50/50

President – Kevin, N3HKQ: AAAP 2006 star party special event stations July 22 and August 26, 2006. How does club feel about helping with October 2007 AMSAT Symposium? Will not conflict with Pa QSO Party. Need an answer by August

Old Business: None

New Business: Kelly Alderson should get a club shirt – KB3HVN

Good of the order – 2006 Field Day discussion

Meeting adjourned.

WASH Spotlight: Prop Head?



"Now THIS is the handiest antenna support system/QRP rig I have ever seen — yes sir, not only can you work 40 CW on this little transceiver but Steve's head has been fitted to accept a 1" pipe thread to act as the support system for a homebrew Buddipole"

Photo & caption courtesy of and ©Copyright 2006 Paul Lusardi NØVLR

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 wn3vaw at yahoo dot com

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 Fiinleyville, 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

2006 K3EED K3HCR K3LGM K3SGT K3VX K3WJL KB3FNM KB3FNM KB3FXU KB3GMN KB3GMN KB3GMU KB3HVN	N2QIV N3AWF N3CZZ N3DFK N3HKQ N3IDH N3KFD N3QMV N3RDV N3RDV N3RDV N3RDV N3RDV N3RJ N3ZK	W3WH W4ZE W8LEV WA3JPP WA3RVD WA3WMB WA3YFQ WB4GCS W03Z 2005 K3JDS K3PCF	KB3IRQ KB3IVW KB3IVX KB3LIX KE8RN NØPEU N3BSQ N3PN N3RHT N3RHT N3RKX N3TBK N3VEH N3ZCG	WASH /MM KA3UPY WASH GA K3OL KB3IJX WASH NE NØPEU WASH NY KE3XB N3YPB WASH OH	Silent Keys K3EED KB3ENX KB3FQT N3FZ N3KEH N3SKR N3SKR N3SKC N3XFE
KB3KOT KB3MQC KB3MRT KB3NAF	N3ZEL N3ZNI W3RJM W3RWS	Ka3NMG Ka3TWI KB3DCO KB3EPI	W3GEL W3HND W3JAF W3WN	N8DPW WASH TX K3LGM	W3ZLK
KB3NSG KC4WTT KC6VLV	W3SRL W3VFA	KB3GUZ KB3IAC	Work	WASH VI NP2JF	
KE7FD NØVLR NØWPV	Marila O	Li	gh June 23 st complied		

Mark Stabryla N3RDV, Vice President/Treasurer



Bill's 50



Above Left: Bill & Linda Hill with Bill's "Half Century Club" Certificate.

Above: The Cake Below: The Certificate itself

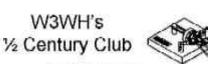


Now c'mon, who's really surprised to see N3KFD and a slice of Bill's cake, together again?

• • •



trover your fridads at the WASTHAUD



50 years of being a hem... 20.000 GEO's without uttoring a word More field days attended than Hiram Percy Maxwell himself

Several UKpedmons (disguised as variations), un water, sail & land, Has they every brand of rig and entennas

know to man

Could walipaper a room with hamfest lickets and

STILL never won a hamfest prize

When Paul NØVLR got wind that Bill Hill W3WH recently celebrated the milestone of being licensed for 50 years, he personally made sure that the event would not go unmissed. Paul arranged for:

Linda Hill to surprise Bill at the June meeting; .

•

- for a proclamation from the ARRL be presented; a special certificate on behalf of the club would be presented, welcoming Bill to the "Half Century Club;"
- and that certificate would be embellished on a cake for all to enjoy!

Congratulations to Bill on this achievement! And while several of us on a "need to know" basis knew about some of the planning, and kept the secret, special recognition to Paul for going that extra step on behalf of the club to make sure that Bill would be properly honored!



Kevin N3HKQ presenting Bill with the ARRL Letter honoring his 50 years.

All photos courtesy of and ©Copyright 2006 Paul Lusardi NØVLR

North Hills ARC Presentation

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On June 14th, Steve W3SRL and Paul NØVLR gave a presentation on about HF portable and QRP operations at the monthly North Hills ARC club meeting.

Photo courtesy of and Copyright 2006 Paul Lusardi NØVLR

Right, Below, and **Right Below:** Some shots from during and after the June meeting.

All photos courtesv of and ©Copyright 2006 Paul Lusardi NØVLR







N3SH Field Day Pictures









All photos & captions this page courtesy of and $\ensuremath{\mathbb{C}}$ Copyright 2006 Larry Comden K3VX







WO3Z & W3WH



WA3SH Field Day Pictures

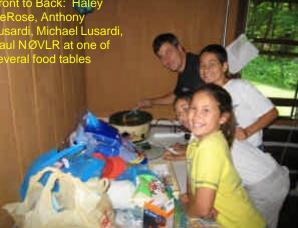


All photos & captions this page courtesy of and ©Copyright 2006 Kevin F. DeRose N3KFD





Front to Back: Haley DeRose, Anthony Lusardi, Michael Lusardi, Paul NØVLR at one of several food tables











Paul NØVLR neaking a taste of the world amous Lusardi amily 5 Alarm Shilli

More N3SH Field Day Pictures











All photos this page courtesy of and ©Copyright 2006 Todd Wade W8LEV



WACOM Hamfest

Sunday, November 5th 2006, 8:00 AM to 1:00 PM Washington County Fairgrounds, Washington, PA For More Information contact Ed Oelschlager N3ZNI at n3zni@arrl.net or (724) 746-9235 www.wacomarc.org



WIRELESS ASSOCIATION OF SOUTH HILLS. INC.

Membership Application/Renewal for 2006



I would like to join WASH!. I am interested in the following type of membership: □ New Membership □ Membership Renewal (check quarter 1st Qtr □ 2nd Qtr 3rd Qtr 4th Qtr Jan-Mar Oct-Dec (check one) Apr-Jun Jul-Sept □ (F1) Full Membership: \$20.00 \$15.00 \$10.00 \$5.00 \Box (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 (F1 or F2 or A1 dues x 20% x No. of household family members): \$____ Name(s): Call Sign: Name: Address: License Class: City, State: Expires On: Work Phone: ____ Home Phone: Email Address: Birthday: ARRL Member?
Yes No Family ARRL Member?
Yes No 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 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

Nam	ne:	Call	Sign:
Add	ress:	Date	e of Birth:
City	, State, ZIP:	Tota	al Enclosed: \$
Plea	se Check the Appropriate One-Year Rate:		
	\$39 in US		Additional Family Members at the same address (\$8 per family member)
	Age 65 or older, \$36 in US		
	Age 21 or younger, \$20 in US (only if you are the oldest licensed amateur in your house	hold)	Name & Call Sign:
	Canada \$49		
	Elsewhere \$62		Name & Call Sign:
	Other (including Blind, Life, QST by First Class Postage — please contact ARRL for rate		
	Dues subject to change without notice		Name & Call Sign:

 Pid you have a good Field Day? Did you have a good Field Day? Loads of Field Day Photos! W3WH celebrates 50 years licensed! Pa QSO Party planning will be back next month So will DX and FCC news & information Mathing & much more waiting for these pages!!! 	 Inside This Issue: Did you have a good Field Day? Loads of Field Day Photos! W3WH celebrates 50 years licensed! Pa QSO Party planning will be back next month So will DX and FCC news & information
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The WASHRag Wireless Association of South Hills, Inc. Ron Notarius W3WN, Editor 3395 Rosewood Drive Castle Shannon, PA 15234-2546



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