



WASHRAG™

www.washarc.org



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July 2002

N3SH
WA3SH

Wireless Association of South Hills

Field Day 2002: Maybe the Best Effort Ever!

Field Day 2002 really started for WASH several months ago; just after **WASHFest** at the end of February. Larry Comden K3VX and Bill Hill W3WH got together and had several discussions centering mostly on where to locate our Stations. Hank KB3FNM suggested that the **Library Sportsman's Association** grounds might be a good spot and if we liked it, he would approach their membership to ask for permission to use their Pavilion and the surrounding area.



Well, after looking the **LSA** over, we loved it. It is accessible and high, with lots of trees for antennas, adequate parking, a fully equipped kitchen, and perhaps most important, modern and nearby restrooms! Hank secured permission for us to be there and everyone associated with the LSA welcomed us with open arms — especially Art the Caretaker and his dog Misty.

We surveyed the situation shortly after securing permission to operate there and put several ropes up before the leaves came out, and are we glad we did. As it turned out, getting our antennas up on Field Day morning was a very big project and having the ropes in place really helped a lot. The club decided to operate Class 4A — two SSB, one CW and one PSK-31 station, along with a GOTA (Get on the Air) station. In addition we had an APRS demonstration and a satellite station on site.

The consensus is that WASH had a very successful and FUN Field Day this year. The biggest reason we achieved this is that so many of our members got involved and contributed in a meaningful way. Without everyone's help we would have had a so-so effort. As it turned out we had 1958 QSO points (about 1400 contacts) and we got almost all the bonus points. Unfortunately we forgot to check in to the 80 meter traffic nets on Saturday evening thereby missing 100 available points. Oh well, there's always next year! Even though we missed those points this year, it is our best effort so far. Well done folks!

At the risk of forgetting someone, special thanks go to N3ZEL, N3ZNI, W4ZE, KB3GMN, N3SBF, W3RJM, W3JAF, W3RWS and KB3FZU.

Even though so many good things happened at Field Day, we're aware that this is room for improvement. For example, we need to improve our management of "On The Air Time" so that more members and guests get a chance to operate. In the coming months we'll work on the problem areas and hope we succeed by next year's Field Day.

We've unofficially been invited back for next year — Yea!

Here's a point to ponder:

What do you think of the idea of doing the 2002 Pennsylvania QSO Party WA3SH station at the **Library Sportsmen's Association**?

73, Larry Comden K3VX, WASH Field Day Chairman
& Bill Hill W3WH, WASH Operating Events Chairman

Field Day Photos Pages 6 & 7

Next Meeting: July 11th, 2002

The next monthly meeting of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** will be Thursday, July 11th, at the **John McMillan Presbyterian Church**, 875 Clifton Road, Bethel Park, starting at 7:00 PM.

Our guest speaker will be ARRL WPA Section District Emergency Coordinator Jeff Leach N3YEA, on Emergency Communications in Western Pennsylvania.

Talk-in on the 146.955(-) N3RN/R and 443.650(+) N3BV/R Repeaters (131.8 PL). All members, guests and interested parties invited!

N3SH 2002 ARRL June VHF Contest Wrap-Up

June the 8th dawned clear and beautiful; a perfect day to be outside with your friends and work the ARRL June VHF Contest. A group of nine WASH members gathered at NØVLR / NØWPV's QTH to erect antennas and assemble stations for the 6 meters, 2 meters and 70 cm bands.

The group, which included W3JAF, KB3FZU, KB3GMU, KB3HFP, N3ZNI, N3ZEL, NØPEU, W3WH and all the Lusardi's managed 67 contacts during the day.

We had great equipment including a huge 2 meter Quad supplied by N3UE; Paul's 6 meters, 2 meters and 70 cm Lightning Bolt Quad; and W3JAF's IC-746.

Even though the results were not record breaking, we all had fun, and at the end of the day that's what it's all about!

Thanks again to Paul and Annette for hosting this event!

— Bill Hill W3WH, WASH Operating Events Chairman



Operating outdoors during the VHF Contest, L - R: Bill W3WH, Frank KB3FZU, Shawn NØPEU, Lori KB3GMU. Photo courtesy of & ©Copyright 2002 Bill Hill W3WH

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

LOOKING
AHEAD:

- Skyview Radio Society Hamfest, August 25th
- ARRL WPA Section Convention & Butler Co. ARA Hamfest, September 8th
- Pennsylvania QSO Party, October 12th & 13th
- WASHFest 2003, February 23rd, 2003

July 2002

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Breezeshooter's Net Beaver Co Public Service Net 2 Rivers ARC Net Triple 'A' ARA Net North Hills ARC Hamfest	2 SHBP&M Meeting Butler Co ARA Meeting Skyview RS Meeting North Hills ARC Net WACOM Net SATERN NET GPVHFS Swapm'Shop Net	3 Uniontown ARC Meeting Steel City ARC Social Night Allegheny Co SkyWarn Net Allegheny Co ARES Net Westmoreland Co ARES Net	4th of July No WACOM Meeting (held on 6/27 w/Board of Directors meeting)	5 Elco ARES Meeting	6 RA Erie VE Tests WPA Hilltoppers VE Test Nittany ARC Coffee Call North Hills ARC Elmer Net
7 Ellwood City ARA Meeting QCWA Pittsburgh Net South One ARES Net North Hills ARC Youth Net WASH FM Net	8 Bum of the Month Lunch ARL of Lawrence Co Meeting Breezeshooter's Net Beaver Co Public Service Net 2 Rivers ARC Net Triple 'A' ARA Net	9 Foothills ARC Meeting Coke Center ARC Meeting Nittany ARC Meeting Fort Venango M&KC Meeting Punxsatawney AARC Meeting North Hills ARC Net WACOM Net SATERN NET	10 North Hills ARC Meeting Laurel Highlands VHF Society Meeting Steel City ARC Social Night Allegheny Co ARES Net Westmoreland Co ARES Net	11 WASH Meeting Beaver Valley ARA Meeting Horseshoe ARC Meeting	12	13 IARU Contest Skyview RS VE Tests 2 Rivers ARC Ham 'n' Eggs Breakfast North Hills ARC Breakfast Quad County ARC Breakfast North Hills ARC Elmer Net
14 IARU Contest QCWA Pittsburgh Net South One ARES Net North Hills ARC Youth Net WASH FM Net	15 Monessen ARC Meeting Breezeshooter's Net Beaver Co Public Service Net 2 Rivers ARC Net Triple 'A' ARA Net	16 Steel City ARC Meeting Tri-County CW ARC Meeting McKean County ARC Meeting Pymatuning ARC Meeting Juniatia Valley ARC Meeting North Hills ARC Net WACOM Net SATERN NET	17 Huntington Co ARC Meeting Allegheny Co SkyWarn Net Allegheny Co ARES Net Westmoreland Co ARES Net	18 WASH VE Test Greene County ARC Meeting Somerset County ARC Meeting	19 PVGP Radio Ops Meeting 7:00 PM Schenley Park 2 Rivers ARC Meeting Quad County ARC Meeting	20 Pittsburgh Vintage Grand Prix Mercer Co ARC VE Tests Nittany ARC Coffee Call North Hills ARC Elmer Net W3VV Special Event Stn
21 Pittsburgh Vintage Grand Prix Elk County ARC Meeting QCWA Pittsburgh Net South One ARES Net North Hills ARC Youth Net WASH FM Net	22 Breezeshooter's Net Beaver Co Public Service Net 2 Rivers ARC Net Triple 'A' ARA Net	23 Triangle ARC Meeting North Hills ARC Net WACOM Net SATERN NET GPVHFS Swapm'Shop Net	24 Fort Armstrong WA Meeting Steel City ARC Social Night Allegheny Co ARES Net Westmoreland Co ARES Net	25 WACOM Board of Directors Meeting	26	27 WASH Breakfast Indiana Co ARC VE Tests North Hills ARC Elmer Net
28 QCWA Pittsburgh Net South One ARES Net North Hills ARC Youth Net WASH FM Net	29 Breezeshooter's Net Beaver Co Public Service Net 2 Rivers ARC Net Triple 'A' ARA Net N3QC Special Event Station @ Clearfield County Fair	30 North Hills ARC Net WACOM Net SATERN NET GPVHFS Swapm'Shop Net	31 Steel City ARC Social Night Allegheny Co ARES Net Westmoreland Co ARES Net	8/1 WACOM Meeting RA Erie Meeting	8/2 Elco ARES Meeting	8/3 RA Erie VE Tests Beaver Valley ARA VE Tests Nittany ARC Coffee Call North Hills ARC Elmer Net

WASH 2002 OFFICERS

EXECUTIVE COMMITTEE:

President Paul Lusardi NØVLR
VP/Secretary Frank Bobro KB3FZU
VP/Treasurer Mark Stabryla N3RDV

AND WE COULDN'T DO IT WITHOUT:

N3SH / WA3SH Trustee Steve Lane W3SRL
N3SH / WA3SH QSL Manager Paul Lusardi NØVLR
VE Team Liaison Jacqué Gosselin N3ZEL
Webmaster Bob Sanford AA3FI
Quartermaster Harold Rosenberger KB3CPI
N3SH/WA3SH WASH Net Managers
FM Net (2 Meter & 70 cm) Kevin Smith N3HKQ
Digital Net (10 Meter) (open)
WASHFest 2003 Co-Chairman Steve Lane W3SRL
(South Hills Hamfest) Bill Hill W3WH
Activities & Operating Events Bill Hill W3WH
Field Day 2002 Chairman Larry Comden K3VX
Ways & Means Carol Danko KB3GMN
Media Communications Kevin DeRose N3KFD
Allegheny Co ARES Representative Ben Williams KB3ERQ

CLUB-AFFILIATED REPEATERS:

Mt. Lebanon N3RNX/R 146.955 - PL 131.8
Mt. Lebanon W3SRL/R 442.550 + PL 131.8
I-Link #13181 (courtesy of N3UE)
Canonsburg N3BV/R 443.650 + PL 131.8

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 **10 METER DIGITAL N3SH/WA3SH WASHNET** is on Hiatus until further notice. Please contact Paul NØVLR for more information.

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 WN3VAW

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Ron Notarius WN3VAW
3505 Rosalia Avenue
Castle Shannon, PA 15234-2317

e-mail: wn3vaw@njdxa.org or wn3vaw@arrl.net

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The **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** was founded in 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 N3BV/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 Ed Wolf N3UE for providing space on-line for back issues of **"The WASHRag™"** which can be found at www.washarc.org or <http://doit.pgh.net/~wolfie/washrag.htm>

WASH Amateur Radio Club News Briefs

Next WASH VE Test July 18th!

The Next WASH VE exam sessions will be **Thursday, July 18th, 2002, 7:00 PM**, at the **John McMillan Presbyterian Church**, 875 Clifton Road, Bethel Park, 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 \$10.00 (payable to: ARRL VEC)

Future test dates: Thursday, October 17th, 2002
 Thursday, January 16th, 2003
 Thursday, April 17th, 2003
 Thursday, July 17th, 2003

The **WASH Breakfast Gang** met with a successful Field Day in mind on Saturday, June 29th at **Dietz's Restaurant**. Present were K3VX, W3WH, NØPEU, N3RNX, N3ZNI, N3ZEL, W3RWS, KB3FNM, and WN3VAW. Besides hashing over Field Day & how great the LSA site was, we talked about antennas, Larry's car troubles, photo resolutions, the post-Fireworks mess in the Caste Village parking lot, the US Virgin Islands, and most anything else we could think of! Please, come join us for coffee and discussion (you don't have to be a member)! The next Club Breakfast will be Saturday, July 27th, at **Dietz's Restaurant**, Caste Village Shops, Baptist & Grove Roads. Come down & share a cup of coffee & a good time with us!

Field Day 2002: As Bill & Larry noted on Page 1, this was probably one of the best Field Day operations the club has had in a long time, maybe ever. They just seem to keep getting better every year! A big "thank you!" again to the **Library Sportsmen's Association** for permitting us to operate from their gorgeous site, and to Hank KB3FNM for making the arrangements. And thanks to all club members who stopped down to help set up, operate, or clean up afterwards, and to all of our guests who stopped by.

Field Day Ops: The following club members and guests were signed up as part of the N3SH crew. If you were one of the ops and aren't listed, it just means your name/call didn't make it to the sign-in sheet — please let us know so that we can update the records & credit you in the next newsletter:

W3WH	WA3JPP	KB3GMU	KB3ENX	K3OL
K3VX	N3ZEL	N3RDV	KB3HFP	N3FZ
KB3ERQ	N3ZNI	NØVLR	KB3IAC	KB3QX
W3JAF	N3HKQ	NØPEU	& guest	Diane Robb
N3BSQ	W3RWS	N3BM	KB3GUZ	Mary Lou Marzina
W4ZE	KB3GMP	N3KFD	N3SBF	Christopher Beyer
KB3FNM	N3QMV	WN3VAW	KB3GMN	Art & Misty
N2QIV	KB3CPI	W9UK	N3RNX	& Murphy (of course!)
KB3GOT	KB3FZU	W3RJM	AA3FI	

What's Next? The next big operating event for the club will be the annual Pennsylvania QSO Party October 12th & 13th. The past few years, we've run two club stations (N3SH from N3SBF / KB3GMN's cabin in Clarion County, and WA3SH from various locations in Washington County) and a small host of Rovers, Mobiles and Home stations from all over Western Pennsylvania. It's not too early to start thinking about where and how you'd like to operate in the (arguably) biggest & best state QSO contest in the country!

The **20th Annual Pittsburgh Vintage Grand Prix** is coming up this month. Details on how to sign up are on Page 10 — not a reflection of the importance of the event, just evidence of where we had room left! It's a fun event, even if you can only spend part of one day of the weekend operating. Amateur Radio operators have been an important part of the all-volunteer effort since the very 1st PVGP, and we are still very much needed. As of deadline, more amateur operators were needed this year. If you can help this year, please contact Corky N3MJP ASAP and let him know where & when you can lend a hand! You do NOT have to be an SWPA area ham or even an ARES member to help out — all amateurs everywhere are welcome!

Chris NM3M, a long-time friend of the club, has been in and out of St. Clair Hospital lately due to some medical problems. Chris wanted everyone to know not only how much he's appreciated talking to us on the club repeaters during the day, but how much he's enjoyed using the I-Link system during those late night and early morning hours when he's been unable to sleep.

Congratulations to Michael KB3HFP, who is featured in one of the photos of the Dayton Hamvention Youth Forum in the July **WorldRadio** (Page 19)!

About Those Photo Credits: Hard to remember when (or if) we had a newsletter as chock full of photos as this one. Special thanks to each and every one of the people (club members, family members and friends of the club) who have contributed photos both to this and previous newsletters — please let them know how much their work is appreciated by all! If you have a photo that you'd like to see in the newsletter in the future, contact WN3VAW for details. Original photos can be scanned and returned. Digital photos can be accepted in most of the major formats, JPEG (.jpg) is preferred. The higher the resolution the better, as most of the time, the photos have to be cropped and/or shrunk to fit the newsletter (otherwise you'd be getting a 20 MB .pdf file in your e-mail!). If you didn't take the photo yourself, please let us know who did so that we can get permission and proper credit can be given.

More June VHF Contest Photos

Ever wonder if sometimes we do a little TOO much? <g> Sometimes seemed that way with the ARRL June VHF contest, the Breezeshooter's Hamfest Picnic, and ARRL Field Day all in the same month!

Frank KB3FZU, Paul NØVLR & Ed N3ZNI setting up the VHF/UHF antenna system making outside of Paul's house.



Paul NØVLR, Ed N3ZNI & Jeff W3JAF at the outdoors operating position (the other was inside Paul's under construction ham shack!

Thanks again to all who participated in the event!
 Both photos courtesy of & ©Copyright 2002 Jacqué Gosselin N3ZEL

The American Radio Relay League (ARRL) has issued election notices for ARRL WPA Section Manager, Atlantic Division Director, and Atlantic Division Vice-Director. Interested in running for office or in filing a petition on someone's behalf? See the July 2002 issue of **QST** for more information.

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

Minutes, June 13th Meeting

Frank Bobro KB3FZU, Secretary, WASH

The meeting was **called to order** at 19:00 hours promptly by Bob, W3RJM, who was filling in for Club President Paul NØVLR. There were 25 members and guests present.

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

Introductions were then made all around, as is our custom.

A motion to **accept the minutes** of the May meeting as published in the newsletter was made by Bill, W3WH, seconded by Mike, N3BSQ, and carried.

Committee Reports:

Treasurer (N3RDV): The report was read and a motion to accept was made by Bill, W3WH. Mike, N3BSQ, seconded it and the motion was carried.

Secretary (KB3FZU): No report.

VE Report (N3ZEL): The next test session will be on July 18th here at the John McMillan Presbyterian Church. The Amateur Extra Class question pool changes take affect on July 1st

Repeaters (W3SRL /N3RNX): Repeaters are repeating. Sam W3CYO's repeater (145.49 MHz) in Washington has been down.

FM Net Report (N3HKQ): No report.

Activities (KB3GMN): No report.

Public Service (N3RDV): The Grand Prix will be the next public service event on July 20th and 21st as reported by Mark, N3RDV. Because of present conditions, a lot of the air shows have been cancelled this year.

Contests (K3VX): Field Day

The club will be operating 5 completely equipped HF stations including a Get On The Air (GOTA) station. The set up will begin at 10 AM Saturday morning. We are looking for operators. The GOTA station is for operators that do not operate on HF — either because their license class does not allow it or they have been inactive for some time. Larry (K3VX) said that in order to get a Field Day pin you need to work at least 10 contacts. The GOTA station will be using the WA3SH call. The N3SH call will be used for everything else. The club will be running Class 4A - WPA in the contest.

The Radios.

- ◆ CW - (W3WH) Bill's IC 756 Pro
- ◆ Sideband - (W4ZE) Ted's IC 756 Pro
- ◆ Sideband - (NOPEU) Shawn's IC-718
- ◆ GOTA – will be an Icom all mode 2meter 440 brought by Kevin.
- ◆ PSK31 – (W3RJM) Bob will operate.

So, there will be plenty of radios. Please bring headphones. Also, marine batteries will be needed to operate the radios. The antenna arrangement is to have multi-band antennas including 2 horizontal loops and a 260' dipole. Frank, KB3FZU, will bring WPXI's Honda generator. Bob, W3RJM, will investigate obtaining a solar panel and a charge controller. A Field Day sign up sheet was passed around. Computer logging will use N3FJP's program. It is one of the few that will work on a computer network. Directions to the Library Sportsmen's Association are in the newsletter. Just show up and have fun! Kevin, N3KFD, has sent copy to the radio stations and that will qualify us for the 100 bonus points. Ed, N3ZNI, & Jacque, N3ZEL, will handle the administering all of the points & bonus points.

VHF Contest A report was submitted by Paul, NØVLR. The results are not yet scored or sent to ARRL — but the club made 66 contacts in 19 grids. Farthest contact was from Central Kansas on 6 Meters. The club was active on 6M, 2M and 70 cm. Paul says: thanks to all who helped with the tower maintenance!

Newsletter (WN3VAW absent): We got the best one in the industry. There have been a few members that have joined recently that are not correctly indicated. The reason is that Mark did not get the list to Ron in time for the newsletter. The next newsletter will correct this.

President's Report (NØVLR): No report.

Old Business: No report.

New Business: Bill, W3WH, showed everyone the PA Clean Sweep Award that the club earned during the 2001 PA QSO party.

At the Dayton Hamvention, Ed, N3ZNI, bought a Clear Speech Speaker. He was showing it to Bill, W3WH, and describing how it did a great job of cutting out the noise. To make a long story short, Carole, KB3GMN, has been on the bandwagon to have a raffle and it was decided this speaker would be a good one

(Meeting Minutes Continued on page 10)

WASH Spotlight: W3RJM



Somehow, when "Tim Taylor" on **Tool Time** talked about a Real Man and his Screwdriver, we don't think this is what he had in mind! In the midst of the 2002 Breezeshooter's Hamfest Flea Market, Bob's new antenna was a real attraction! Photo courtesy of and ©Copyright 2002 Ron Notarius WN3VAW

Every month we're going to try and feature a different WASH club member and/or something about them in the WASH Spotlight. Submissions for the WASH Spotlight should be submitted to WN3VAW.

Monthly WASH Breakfast Saturday, July 27th



Please join us for the next WASH Breakfast! We get together on the LAST Saturday of every month for a chance to informally sit down, shoot the breeze, compare notes, and just have a good time together! Join us at **Dietz's Restaurant**, Baptist and Grove Roads in the Caste Village Shops. Start time is about 8 AM until whenever. Monitor 146.955 & 443.650 for talk-in or any last minute changes.



All are welcome, WASH members or not, amateurs or not! See you there!

Wireless Association of South Hills Membership

AA3FI	KB3FQT	NØWPV	N3UIW	W3RWS
AA3JS	KB3FZU	N2QIV	N3VEH	W3SRL
K3BZW	KB3GMN	N3BSQ	N3WPT	W3VE
K3LIE	KB3GMO	N3CCC	N3XFE	W3VFA
K3OL	KB3GMP	N3CZZ	N3XI	W3WH
K3VX	KB3GMU	N3HKQ	N3YPB	W4ZE
K3WR	KB3GOT	N3IDH	N3YQY	WA3JPP
K9LZ	KB3GZG	N3INT	N3ZCG	WB3BPH
KA3PPH	KB3HFP	N3KFD	N3ZEG	WB3GTL
KA3TFB	KB3IAC	N3MJQ	N3ZEH	WN3BOJ
KA3TWI	KB3QX	N3QMV	N3ZEL	WN3VAW
KA3UPY	KC2JJB	N3RDV	N3ZNI	Barbara Mistic
KA3WZO	KD3JV	N3RHT	N4MIS	
KA3YTS	KE3XB	N3RNX	N8DPW	K3EED (SK)
KB3ANH	KE7FD	N3SBF	NP2JF	N3KEH (SK)
KB3CPI	KE8RN	N3SRC	W3GEL	N3OBD (SK)
KB3DCO	KQ3DX	N3TBK	W3HND	N3SKR (SK)
KB3ENX	NØPEU	N3TES	W3JAF	W3ZLK (SK)
KB3EPI	NØVLR	N3UE	W3RJM	
KB3ERQ				
KB3FGO				
KB3FNM				

Through June 30th, 2002

List compiled by

Mark Stabryla N3RDV, Vice President/Treasurer

"If You Grill Them, They Will Come"

(Paul Lusardi NØVLR)

Pictures from the WASH "Field of (An Amateur's) Dreams" Picnic at the 2002 Breezeshooter's Hamfest



Last Year: 4½ Pounds of Burgers & 4 packs of Hot Dogs Cooked
This Year: 10 Pounds Burgers (we ran out!) & 8 packs of Hot Dogs Cooked!
Thanks to all that came & had a great time!



Above: Carol KB3GMN
Below: Al KA3UPY, Frank KB3FZU, Lori KB3GMU

Above: Dave N8DPW, Ted WN3BOJ's profile, Mike K3AIR, Bill W3WH's profile, Steve W3SRL, Paul NØVER
Below (Center): Bill W3WH, Kevin N3KFD (what, no food?), Tippi WA3JPP



All photos this page courtesy of and ©Copyright 2002 Ron Notarius WN3VAW

Below: What a Rogue's Gallery: L to R: ½ of Bob W3RJM, Bryan K3OL's back, Bill W3WH, unknown visitor, Bob W3RWS, Dave N8DPW's back, Steve W3SRL in shadow, Ted W4ZE, Dave N3IDH

Above: Frank N3XI
Below: Sally N3MYZ & Harmonic, Ron WN3VAW



What a Sporting Field Day 2002!



Left:
Sunday morning operating crew
Bob W3RJM, Larry K3VX, Kevin N3KFD
Right:
Ben N3BM working 20 SSB on the
"graveyard" (over night) shift
Photos courtesy of & ©Copyright 2002
Bill Hill W3WH



I hadn't been with Ben Moore N3BM at a Field Day in many years. He arrived at midnight with his straight key which had a 1/4 inch phone plug for connection to the ICOM 756. A 1/4 inch phone plug is a 1/4 inch phone plug, right? The plug wouldn't go in. We also tried my old J-38, same result.

What gives? The design of the jack in the ICOM requires a tapered tip. The bulbous tip on our old plugs won't work. Well, Ben (age approx. 80) was not to be denied, so took over one of the SSB stations. He was still on site in the morning, doing better than some of the other overnight crew!

— Larry K3VX

Right:
Saturday evening:
operating crew
Carol KB3GMN,
Larry K3VX, Hank
KB3FNM, Rich
N3SBF
Photo courtesy of
& ©Copyright
2002 Bill Hill
W3WH



Left: Three Operating Positions, No Waiting!
Kevin N3KFD, Dave KB3GOT & Bob W3RJM in front, Kevin N3HKQ & Ed N3ZNI in the back

Below Left: Hmm, Now Let's See... Rich N3SBF, Randy N2QIV, & Dick N3QMV observing as Pete N3RNX is hard at work hooking things up

Right: All hands getting the stations set up
Shawn N0PEU, Ben KB3ERQ, Bob W3RJM, Hank KB3FNM, Frank KB3FZU



Below Right: Frank KB3FZU & Lori KB3GMU operating the GOTA station
Photos courtesy of & ©Copyright 2002 Jacqué Gosselin N3ZEL

As you see, Lori was operating the GOTA station at the start on Saturday, Frank was logging and helping her. At the end of the day Sunday, time running down, Frank was on Ted's rig. Ed convinced him to pick a spot and call CQ. Frank was in his glory to be on the other end of a pileup. Lori was logging for him. W3RJM kept saying "A contester is born!" Yes, I think so! — Jacqué N3ZEL





Memo
To: W3SRL, N3RNX, N3RDV, N3CZZ
Re: Photo to the Left
 Please discuss proper lighting procedures of a charcoal grill with Richie N3SBF prior to FD 2003!
 Photo courtesy of & ©Copyright 2002 Jacqué Gosselin N3ZEL

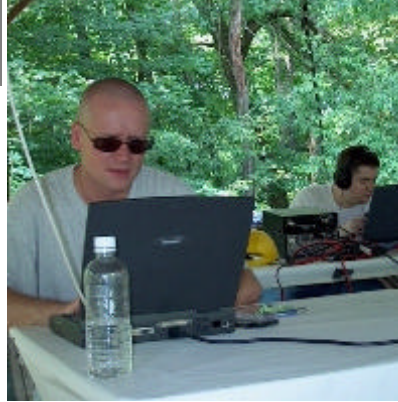
There were several opportunities to copy the FD Message on CW, SSB, RTTY or PSK31. Somehow it came down to the CW guys (K3VX and W3WH) to do it at 8 PM Saturday.

- Item 1 - this was the same time as the satellite pass and
- Item 2 - neither of us has copied CW to PAPER in along time
- Item 3 - the message is 10 minutes long or about 200 words.

Bill did better (99%) in the beginning and I did better (99%) at the end. So between us we got it all. Oh yeah, the satellite pass. We looked up at the start of the message and EVERYONE had gone off to the satellite demo. We agreed it was just like taking the Extra code test. — Larry K3VX



Bill W3WH explaining Field Day operating to Diane Robb, Supervisor, Washington County 911 Command Center (Don't show this one to his wife!)
 Photo courtesy of & ©Copyright 2002 Jacqué Gosselin N3ZEL



Above: Mike N3BSQ running APRS alongside Shawn NØPEU running an HF station.
Right: Ah, Shawn, you do have a driver's license for Carol KB3GMN's wheelchair, don't you?
 Photos courtesy of & ©Copyright 2002 Jacqué Gosselin N3ZEL



Left: Changing the batteries at dusk. Ted W4ZE, Hank KB3FNM, Jeff W3JAF, Bob W3RJM
Right: KB3ERQ logging
 Photos courtesy of & ©Copyright 2002 Tippi Comden WA3JPP

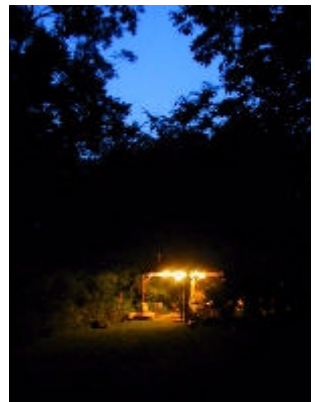


This was my first Field Day and it was very enjoyable!
 It is exciting and encouraging to see everyone working together so well. The food and fellowship were great. Not to mention the location!
 It was also nice to finally see some new faces that we have been talking too.



Left: Passing the Torch: Larry K3VX instructing Michael KB3HFP on operating the "Get On the Air" Station
Right: Gary KB3GUZ operating his FOXX-3 40M QRP station
 Photos courtesy & ©Copyright 2002 Tippi Comden WA3JPP

It has been said that "It is the people who make the club" and after this weekend I know we have a great organization.
 Thanks everyone! — Ben KB3ERQ



Night time at N3SH
 Photo courtesy & ©Copyright 2002 Tippi Comden WA3JPP

N3SH Field Day Results :
 CW: 473 QSO's (454 in 2001)
 Phone: 766 QSO's (619 in 2001) — Great job by many ops led by W4ZE
 Digital: 123 QSO's (0 in 2001) — W3RJM's effort!
 Overall QSO Points = 1958 + 1100 Bonus Points
 Total Score: 3058 Points

Membership

Ron Notarius WN3VAW

Elsewhere in this newsletter we've noted the passing of Ron Lentz N3WX, one of the founders of this organization back when it was known as the Original **SOUTH HILLS ARC**. Those of us who knew Ron in better days and times have been saddened, of course, at the loss both to his family and to the amateur community.

Normally, that would be the end of things. But then I got the following email:

From: South Hills ARC
Date: June 18, 2002 10:21 AM
Subject: Correction

I've been notified that you made a statement regarding Ron, N3WX as being a former member and founder of Wireless Association of South Hills (WASH). The fact is, Mr. Notarius, Ron was NEVER a member of WASH, or a founder. He was a founder of SHARC, and don't you forget it!

You should be ashamed of yourself for the grief you have caused him and his family.

KA3EBX

Now I must admit my first reaction was to respond in kind. But it struck me as absurd to be arguing with another one of our dozen or so founders as to who founded what when. The fact that KA3EBX's public stance on the origins of **SHARC, Inc.** is that they are (more or less) one and the same with those of **SHARC/WASH**, I saw no point in engaging in a ridiculous and surreal argument.

As I pondered that absurdity, something occurred to me. It's going to come across a little corny and schmaltzy, but I'll say it anyway.

I wonder if everyone in the **WIRELESS ASSOCIATION** realizes how lucky we really are as a group. You see, we're all friends. Now maybe we're not all the best of friends, and certainly many of our newest members are still getting used to us old curmudgeons (and vice versa), but we're comfortable with each other to a degree not often seen in organizations (not just Amateur Radio Clubs) of our size and make-up. I've found over time that this is something truly rare.

Of course, we've had members come and go. It happens. Some found other ham clubs or groups that were better fits for them. Some moved away. Some dropped out of Amateur Radio for one of a hundred or more reasons. And once, well, those of us around about 3½ years ago remember that story and how we ended up renaming ourselves from **SHARC** to **N3SH ARC** and finally to **WASH**.

It's truly a shame the incident happened, but that's now history. What's sad, though, is that at least some of our former friends and colleagues are still more concerned with that event, their spin on it then and since, and their own self-importance than with what's best for Amateur Radio first and our clubs second.

What's important now is that we remember our one-time friend and the times he was with us, and not dwell on the negative and bad history that happened later.

I find it saddest of all that one of our old colleague's best and closest friends is more concerned not with remembrance but with bile and anger, pretended offenses, and puffery. But you know what? That's his choice — and his problem.

I will remember, and miss, my old friend from the days when we were friends.

But just as important, I wanted you to know how much the continual friendship and fellowship of all of the members of the **WIRELESS ASSOCIATION** has meant to me and my family. And I hope we never lose it.

After 21 years of silence (when it's battery shorted out), AMSAT-OSCAR 7 started transmitting telemetry on 145.9738 MHz again, first noticed June 21st! AO7 appears to be operating only when it is in direct sunlight. There are reports that the 70 cm to 2M & 2M to 10 M transponders still work — but remember that 432.1 MHz is no longer an uplink frequency for the Amateur Satellite Service (it's now 435 – 438 MHz) — ARRL Web, AMSAT

FYI Networks

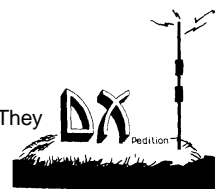
For Your Information needs

FYI Networks, an Internet Service Provider in Pittsburgh and surrounding areas since 1995, is offering all members of WASH their Basic Internet account for only \$18/month. This includes one e-mail box, 3 MB of disk space, web page hosting, Telnet & FTP access, and in some areas Toll-Free 500 Area Code service. Call FYI toll-free at 1-877-FYI-4NET, or e-mail them at sales@fyi.net, for more details or to sign up. You must mention that you are a member of the Wireless Association of South Hills to get the discount rate.

Many thanks to FYI Networks for making this special offer available to us for the past three years!

DX News Briefs

The Kermadec Dx Association is planning a DXpedition to Chatham Island **ZL7** from October 15th – and 29th 2002. They are timing the event to coincide with the CQ WW SSB contest in order to give DX'ers and contesters the opportunity to work ZL7 on a new band/mode. They plan to be QRV 160 through 10 meters. Call sign will not be announced in advance. There will be on line logs or pilots, and they will not e-QSL. Financial support goes to: Kermadec DX Association ZL7, P O Box 7, Clyde, Central Otago, New Zealand. Note that the old Wellington NZ address is no longer good — ZL4HU



SP5IXI/9V1XE will visit Algeria during the first or second week of July and will stay there three or four weeks. He will be active in his spare time as **7XØDX** on HF and via AMSAT-OSCAR 40 — SP5UAF

The **WRTC 2002** "Olympics of Amateur Radio Contesting in Finland" competition will be taking place during the July IARU HF Championship. The teams will be using special 2x1 call signs which will activate the prefixes **OJ1 – OJ8** for the first time ever. Special awards will be issued for working the various WRTC 2002 calls, and the organizing committee is asking everyone who contacts at least one of the WRTC 2002 stations to send them a log electronically for cross-checking purposes. A lottery will be held to give a special award to one of those who send in their logs within 6 hours after the contest ends. More information on the WRTC 2002 can be found at <http://www.wrtc2002.org/> — OH2BH, N4GN

The Sir Francis Drake Report:

"**YKØA**" was QRV in the All Asian contest, claiming W6OAT as his manager. Rusty can only confirm QSO's with the November 1994 YKØA DXpedition. G4ZUN also reports that when confronted on the air while operating 30 meters a few months ago, Slim changed his call to "**JY2A**" — W6OAT, G4ZUN

Six Central Texas area contest stations will combine to put ARRL Hq. Station **W1AW/5** on the air for the IARU contest. QSL via W1AW — WM5R

The Association of Radioamateurs of Venezuela and the Grupo DX Caracas are organizing their annual IOTA DXpedition to celebrate Venezuelan Navy Day 2002. **YW1T** will operate from Toas Island, Zulia State Islands, on SSB and CW from 160-6 meters from July 23rd – 28th. QSL direct and via the bureau to W4SO, their mail drop. QSLs will be verified and mailed from Venezuela. A commemorative plaque will be issued to the DX station that works them on the most bands and modes — ARV, OPDX, 425 DX News

W4SO is only a mail drop, not QSL Manager for many Venezuelan stations including **YW5LF**, **4M1X** and **YW1T**. "I have always received my QSL when sending to W4SO" — W3UR (so have I — editor)

N9AG is the new QSL manager for **PJ2T**. He is in the process of getting caught up with cards sent to the previous manager. If you have not received your card by now, resend to him direct — N9AG

KU9C expects to have the **PWØT** cards from the printer by the end of June and will start processing cards immediately. He is covering the extra 3¢ per card postage, although he will accept donated stamps! He has also been "banging out" 200 to 500 **YA5T** envelopes per day since returning from the USVI. Steve has also now assumed the QSL manager duties for **KP2D** — KU9C

Cards for **R1ØB**, **RUØB**, **RSØB**, **RUØB/p**, **RSØB/p**, & **R3CA/Ø** have been received by manager RW3GW. Requests are now being answered — UA1OMS

QSL Routes

3D2CI via YT1AD — KA2BZS
3V8GI via J11ETU — KA2BZS
5H3RK via SMØLRK — W9OL
9L1JT via K4ZIN — N1NK
9M2/J11ETU via J11ETU — W2GR
A61AO via N1DG — N1NK
EM5ØØE via UR4EN — K8AJS
FW5ZL via FR5ZL — PAØWRS
H44MS via DL2GAC — W9OL
KP2D via KU9C — KU9C
OJØU via OH1VR — W3UR
KP2D via KU9C — KU9C
N4B via KKØDX — KKØDX
N4C via KA4TFP — W9OL
PJ7/MØRAA via JH6VLF — K8AJS
S9SS via N4JR — W3UR
S9YL via N4JR — W3UR
TT8JLB via F5BAR — W9OL
VP2MHX via W4WX — W9OL
VQ9MR via W3MR — LU2DKN
XF4MDX via XE1OX — HK3DDDD
XRØX via N7CQQ — W9OL
YA5T via KU9C — KU9C
Z21HS via SMØLRK — W9OL
Z32ZM via I2JSB — Z32ZM
ZC4BS via G4KIV — W9OL
ZD7K via GWØANA — K8AJS
ZD8K via GWØANA — K8AJS

Thanks to the NJDXA **DX News** & **DX Chat** Reflectors, **425 DX News**, **OPDX News**, & **ARRL DX Bulletins** 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.**

For Sale:

1. Tektronics TM-504 This is a bench test set and contains; DM-502A Autoranging Digital Multi-Meter, SC-501 Oscilloscope DC-502 550MHZ RF frequency counter DC-503 Universal Counter \$200.00
2. Tektronics AN/USM-425(V)1 Oscilloscope This is dual trace, solid state, and comes with all probes and a roll around cart. \$200.00
3. Autek Research Model RF-1 Antenna Analyzer. Covers 0 - 30 Mhz with digital readout. It reads - SWR, Z - ohms, L uH, C - pf. Includes adapters, RF bridge, and case. \$100.00
4. Dielectric Communications Directional Watt Meter. It uses Bird Slugs and comes with the following; 2 - 30 Mhz 250 watt; 2 - 30 Mhz 1000 watt; 100 - 250 Mhz 25 watt; leather case \$100.00
5. Magtrol Model 4610 Digital Power Analyzer \$25.00
6. Singer/Gertsch RF Service Monitor (Needs Repaired). Covers 0 - 500 Mhz \$75 .00
7. General Radio 1310-B RF Oscillator 2Hz - 2Mhz \$25.00
8. RF Communications RF 302 Antenna Coupler, For tuning unbalanced antennas. \$25.00

All prices negotiable. Pete N3RNX 412-833-3587 pcole@sgi.net

For Sale: Ranger RCI 2950 25w 10m Transceiver w/ box, mic, power cord, manual, CB Magmount, 10m HamStick w/ Balcony Bracket. \$150 OBO Shawn NØPEU 412-257-3252 shawn@djernes.org



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"All-Risk" Amateur Radio Equipment Insurance Plan for:
Radio Equipment Computer Equipment
Antennas Rotors & Towers Computer Media & Software
Cellular Telephones
Mechanical Breakdown & Electrical Damage Coverage

For Sale: (1) Premier PR-AT-600 Ni-Cad 12v@600 mah Battery pack (almost new - 6/22/02). It is the same as a Standard FNB-152, so it will also work on a Standard C228, C528, C628, C558, and the Radio Shack HTX-204. Wall charger included. \$30.00. Ted WN3BOJ 412-784-8924 wn3boj@yahoo.com

FCC News

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

NEWINGTON, CT, June 3rd, 2002 — The FCC has okayed a Western Pennsylvania area amateur's application to upgrade to Extra class, but due to "previous enforcement issues," the FCC granted only a two-year license term. The normal license term is 10 years.

The FCC acted April 9th in the case of Sam W. Jacobs, K3SAM, of Latrobe. Terms of the arrangement were spelled out in a May 20th letter to Jacobs from FCC Special Counsel Riley Hollingsworth. The "issues" in question related to Jacobs' July 2000 application for a club station license in which there were "discrepancies in your listing of officers," Hollingsworth said.

In 2000, the FCC first set aside then dismissed the club station license grant of KB3FGX for the "J and D Club" in the wake of complaints that the club's real purpose "was to harass other amateur operators," Hollingsworth wrote at the time. In addition, three amateurs whom Jacobs had listed on his application as club officials claimed not to be affiliated with the J and D club or to have resigned from the club.

Hollingsworth told ARRL that Jacobs agreed to the short-term sanction. If Jacobs keeps a clean record for the next couple of years, he'll be able to renew his ticket routinely for a 10-year term in 2004. If any violations of the FCC's rules occur, Hollingsworth warned, Jacobs' renewal application could be designated for hearing.

The club license application was not the only enforcement issue to involve Jacobs. In January 2000, the FCC sent a *Warning Notice* to Jacobs to advise him that broadcasting is not allowed on the Amateur Radio service. The FCC cited information that the licensee "apparently" had appropriated a 40-meter frequency — 7.262 MHz — before the start of the "PLC Net" and was engaged in "broadcasting, talking to no one in particular, making non-serious CQ calls, and filibustering the frequency in order to hold it for the start of net operations." Hollingsworth advised the licensee at the time that such activities are "not only against the amateur rules, but constitute poor amateur practice and will jeopardize your Amateur Radio license."

(Editor's note: K3SAM was also involved in a controversy regarding a Special Event Station at last year's Westmoreland County Air Show that was apparently set up independently of an against the direct request and wishes of the Westmoreland County ARES staff that were coordinating Amateur communications as the air show)

NEWINGTON, CT, June 5th, 2002 — The FCC has amended its rules to promote the introduction of new digital transmission technologies for high-speed wireless communications. The action came May 16th in a *Second Report & Order* in ET Docket 99-231, *Amendment of Part 15 of the Commission's Rules Regarding Spread Spectrum Devices*.

"These actions will foster the development of new products and increase consumer choice," the FCC said in a *Public Notice*.

Specifically, the Commission has modified Part 15 of its rules to permit new digital transmission technologies to operate in the 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz bands under the current rules for spread spectrum systems. All three segments incorporate Amateur Radio allocations, but the changes are not expected to affect amateur operations in those bands.

"The bottom line is that the new rules do not change the permitted power levels of spread-spectrum devices," explained ARRL Lab Supervisor Ed Hare, W1RFI. "They just allow them to use higher data rates in the same bandwidth limitations they had under the old rules."

The Commission said it had determined that because new digital modulation technologies have spectrum characteristics similar to direct-sequence spread spectrum (DSSS) systems, they can operate under the same rules as DSSS devices in the three bands "without posing additional risk of interference." The decision removes a rule that limits systems in these bands to only DSSS and frequency-hopping spread spectrum (FHSS) technology.

Part 15 rules now permit DSSS and FHSS systems to operate on an unlicensed basis. FCC rules offer no protection to unlicensed Part 15 devices from Amateur Radio operations that might interfere, and Part 15 devices must not cause interference to licensed operations.

In August 2000, in a *First Report & Order*, the FCC amended its rules to allow FHSS systems in the 2.4 GHz band to use wider hopping channels. The FCC says the most recent changes also provide flexibility in the design and operation of FHSS systems in the 2.4 GHz band and eliminate the 10 dB processing gain requirement for DSSS systems--something that ARRL had opposed.



Silent Keys



Martin "Ray" Burnham KCØDNB, Terrorist Hostage, June 7th
WASH Co-Founder Ron Lentz N3WX (ex-AA3JF), June 13th
Retired KDKA-TV Commentator Al Julius, June 27th

(FCC News Continued on page 10)

17th Annual North Hills ARC Hamfest

Sunday, July 14th, 2002
8 AM until 3 PM Rain or Shine
Northland Public Library
300 Cumberland Road, Wexford, PA
Talk-In on W3EXW/R 147.090 (+)



2nd Annual ARRL Western Pennsylvania Section Convention



Sunday, September 8th, 8:00 AM until 4:00 PM
Butler Farm Show Grounds (Roe Airport)
PA Route 68, 3 Miles SW of Butler
Sponsored by the Butler County ARA

Talk-in on W3UDX/R 147.39 Repeater
For more information contact Kevin Berry KF4RMA
380 Three Degree Road, Renfrew, PA 16053-9375 e-mail kf4rma@arrl.net

(FCC News Continued from Page 9)

In comments in the proceeding, the League had expressed concern that eliminating the processing gain requirement would reduce Part 15 receivers' immunity to interference from narrow-band amateur signals. The FCC disagreed, however, concluding that manufacturers have market-driven incentives to design products that can withstand interference from other radio frequency devices. Likewise, the FCC said, amateur receivers should see no increase in narrow-band interference.

Additional actions taken by the FCC will permit the use of as few as 15 hopping channels for FHSS in the 2.4 GHz band. These systems will be able to use channel bandwidths of up to 5 MHz, but they must reduce their output power to 125 mW if fewer than 75 hopping channels are used.

"This action will allow new FHSS systems to better avoid interference than today's systems by enabling them to avoid occupied channels," the FCC said.

The FCC said the rule changes adopted May 16 in the *Second Report and Order* will provide flexibility in the design of new products and will allow for greater spectrum sharing in the 2.4 GHz band "by removing regulatory barriers to the introduction of new non-interfering technologies."

(Meeting Minutes Continued from page 4)

to raffle. So, Bill purchased one at Dayton and there will be a raffle that will start during Field Day. The drawing will be in September. The Clear Speech Speaker costs \$150.00. Ted, W4ZE, motioned to reimburse Bill, and Mike, N3BSQ, seconded. It was carried.

Good of the order:

- ◆ Bryan, K3OL, will be a guest operator at the Smithsonian Institute NN3SI on Saturday, June 15th.
- ◆ Try contacting Paul, NØVLR/M, at 9:30PM tonight on 7.225 + or 14.270 +, depending on propagation. You can also look for Paul as he is traveling through PA, NY, CT, MA and NH on map.findu.com/n0vir-15.
- ◆ Plans are being made to attend Dayton again next year. This year was great!

Motion to adjourn: Made by Bill, W3WH, and seconded by Mike, N3BSQ, and carried. The meeting was **adjourned** at 19:44.

(Due to a last minute scheduling conflict there was no guest speaker this month)

Amateur Radio Operators will for the 20th consecutive year be providing race course communications for the 20th Annual Pittsburgh Vintage Grand Prix, July 20th & 21st, in Pittsburgh's scenic Schenley Park. Operators are needed — All Amateurs are Invited to Help!

*More information & sign up available at
<http://www.ares.pgh.pa.us/grandprix.html>*

Or call Corky N3MJP, Race Communications Coordinator, at 412-601-0856 or 724-850-7833





WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

Membership Application/Renewal for 2002



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

(check quarter →)
(check one ↓)

1st Qtr **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 (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: _____

New Members Only:

- I do NOT want to be added to the Club E-Mail Reflector
- I do NOT want to be added to the Electronic Newsletter Mailing List
[If you have an Email address, you Will be added to both lists UNLESS you choose to Opt-Out]

ARRL Member? Yes No Family ARRL Member? Yes No

Date: _____

Signature: _____

Amount Enclosed: \$ _____

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

Wireless Association of South Hills, Inc.

Order Form for "The TLC Embroidery Company"

Embroidered Shirts and Hats

Quantity	Item/Description	Size	Color	Unit Cost	Net Cost
				Sub-Total	
				6 % Sales Tax	
				Total Enclosed	

<u>Available</u>	<u>Cost (S M L XL)</u>	<u>Cost (2X 3X 4X)</u>
Golf Shirts	\$20.00	\$22.00
Rugby Shirts	\$20.00	\$20.00
Light Jackets	tba	tba
Lined Jackets	tba	tba
Hats	\$10.00	\$10.00

Club logo is not currently available on the hats due to size limitations. Contact TLC Embroidery for more information.

Prices, availability & available colors subject to change without notice.

Use additional sheet(s) if necessary

Make checks payable to Sharon Cox
Mail to: The TLC Embroidery Company
366 Dry Ridge Road
West Alexander, PA 15376

Phone: 724 - 484 - 7703

Inside This Issue:

- It's almost an "All Photo" Issue!
 - WASH Picnic @ Breezeshooter's Photo's!
 - 2 Pages of N3SH Field Day Photos!
 - VHF Contest Photos!
 - 20th Annual Pittsburgh Vintage Grand Prix Needs Amateurs — See Pages 3 & 10
- All this and more... waiting for your right inside these pages...**



N3SH Field Day: Saturday, About 17:59:30 Z

Observing (L – R): KB3ERQ, NØVLR, KB3IAC's guest, KB3CPI
Operating (L – R): W4ZE, KB3ENX, W3RJM, K3VX
Photo courtesy of and ©Copyright 2002 Jacqué Gosselin N3ZEL



Loads More Photos from Field Day, the Picnic, and the VHF Contest Inside!

N3SH VHF QRV!

Michael KB3HFP Operating during the ARRL June VHF Contest!
Photo courtesy of and ©Copyright 2002 Bill Hill W3WH

The WASHRag

Wireless Association of South Hills, Inc.
Ron Notarius WN3VAW, Editor
3505 Rosalia Avenue
Castle Shannon, PA 15234-2317



A Pink Flamingo near a 2 Meter radio at the edge of the Schenley Park Golf Course can only mean one thing... it's time for the **Pittsburgh Vintage Grand Prix** again! Details on Page 10

N3SH / WA3SH
www.washarc.org