



WASHRAG

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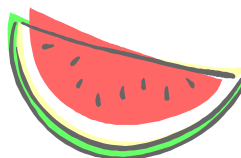
N3SH
WA3SH

Wireless Association of South Hills



It's time once again for the annual WASH Picnic!

This year, the picnic will be hosted by Ed Wolf N3UE at his family's picnic area in Bridgeville... ok, it's his mother's home a few doors down from his. (Directions will be forthcoming soon).



The picnic will be on SUNDAY, August 27th, starting at about 2 PM until whenever.

Remember: We will NOT have our regular August meeting on August 10th, but a short meeting at the picnic itself at about 3 PM.

As always, we're asking everyone to bring a covered dish or desert, and the club will provide the drinks, dogs and burgers. Please let N3UE (wolfie@breezeshooters.net) or me know, starting in mid-August of how many are coming and what, if anything, you'll be able to bring.



All club members, friends of WASH, and their families are invited!

It's been a great year so far, and this is our chance to enjoy the rest of the summer before kicking the fall program for WASH into gear. Hope to see you there!

73, Ron Notarius WN3VAW, President
Wireless Association of South Hills, Inc. N3SH/WA3SH

NCVEC Advances Revised Morse Code Test Standard

The National Conference of Volunteer Examiner Coordinators voted July 21st to set up revised standards for the administration of Morse code examinations in the US. The vote came during a meeting of VEC's in Gettysburg, PA.

Under the revised standards, examinees would have to show 25 character-count solid copy on test sheets or successfully answer seven out of ten questions of a fill-in-the-blank quiz on the sent text. The plan would bar multiple choice tests for Morse code testing.

Morse examinations would specify use of a Farnsworth "character speed" in the range of 13 to 15 WPM. Morse code audio pitch would have to be between 700 and 1000 Hz. Standard 5 WPM tests with 5 WPM character speed could be administered *only as a special accommodation*.

The new Morse testing standards are to be in effect by July 1, 2001, but VECs may implement them sooner.

— ARRL Web Extra, ARRL Letter

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Next Meeting: September 14th, 2000

Our August meeting will be held during the club picnic on August 27th (see above).

The next monthly meeting of the Wireless Association of South Hills, Inc. will be Thursday, September 14th, at the John McMillan Presbyterian Church, 875 Clifton Road in Bethel Park, starting at 7:00. Talk-in on the 146.955 N3RNX/R Repeater. All members, guests and interested parties invited!

Schedule of Events

August 2000

- N3SH/WA3SH WASH Club Net, 9:00 PM ET Sunday Nights on the 146.955 & 443.650 Repeaters

LOOKING AHEAD:

- Butler Hamfest, September 10th
- CA QSO Party Oct. 7th & 8th
- PA QSO Party Oct. 14th & 15th
- WASHFest 2001 February 25th, 2001

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 Butler Co ARA Meeting SHBP&M Meeting Skyview RS Meeting SATERN Net	2 Uniontown ARC Mtng SCARC Social Night Allegheny Co ARES Allegheny Co Skywarn Westmoreland ARES	3 WACOM Meeting RA Erie Meeting	4 Elco RS Meeting	5 RA Erie VE Tests Breezeshooters VE NHARC Elmer Net
6 Ellwood City ARA Meeting	7 GPVHFS Meeting Breezeshooters Net 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co PS Net	8 Foothills ARC Meeting Nittany ARC Meeting FtVenango Mike & Key Punxsatawney Area SATERN Net	9 NHARC Meeting SCARC Social Night Allegheny Co ARES Westmoreland ARES	10 NO WASH MTG Horseshoe ARC Mtng BVARA Meeting	11	12 2RARc Ham'n/Eggs Butler Co ARA Exams Tri-County CW Exams MDDC QSO Party US I Islands Contest
13 US I Islands Contest MDDC QSO Party Elk Co ARC Meeting	14 Bum of the Month Breezeshooters Net 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co PS Net	15 Steel City ARC Mtng Skyview RS Meeting McKean Co ARC Mtng Pymatuning ARC Mtng Juniata Valley ARC Mg	16 S. PA ARC Meeting Huntingdon Co ARC Mg Allegheny Co ARES Allegheny Co Skywarn Westmoreland ARES	17 Triple 'A' ARA Meeting Somerset Co ARC Mtg Breezeshooters Dinner	18	19 2RARc Family Picnic NHARC Elmer Net
20	21 Breezeshooters Net 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co PS Net	22 Mercer Co ARC Mtng Triangle ARC Mtng SATERN Net	23 Ft.Armstrong WA Mtg SCARC Social Night Allegheny Co ARES Westmoreland ARES	24	25	26 NHARC Elmer Net
27 WASH Picnic Skyview Hamfest	28 Breezeshooters Net 2 Rivers ARC Net Triple 'A' ARC Net Beaver Co PS Net	29 SATERN Elmer Net	30 SCARC Social Night Allegheny Co ARES Westmoreland ARES	31 WACOM Board Mtng	9/1 Elco RS Meeting	9/2 RA Erie VE Test NHARC Elmer Net

WASH 2000 OFFICERS

Executive Committee:			
President	Ron Notarius WN3VAW		
VP/Secretary	Steve Lane W3SRL		
VP/Treasurer	Mark Stabryla N3RDV		
And We Couldn't Do It Without:			
N3SH / WA3SH Trustee	Steve Lane W3SRL		
VE Team Liaison	Bob Sanford AA3FI		
Club Communications & Webmaster	Bob Sanford AA3FI		
Club Quartermaster	Harold Rosenberger KB3CPI		
Club Librarian	Paul Lusardi NOVLR		
N3SH/WA3SH WASH Net Managers			
2 Meter FM	Greg Babin KQ3DX		
10 Meter Digital	John Benitez KE3XB		
South Hills Hamfest Co-Chairman	Steve Lane W3SRL		
(WASHfest 2001)	Bill Hill W3VWH		
Field Day 2001 Chairman	(open)		
Ways & Means	Carol Danko		
Club-Affiliated Repeaters:			
Mt. Lebanon	N3RNX/R	146.955 -	PL 131.8
Mt. Lebanon	W3SRL/R	442.550 +	PL 131.8
Canonsburg	N3FFP/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 repeater, usually followed by the 10 Meter SSB Informal Net on 28.469 MHz. The 10 Meter Digital N3SH/WA3SH WASHNet meets on 28.105 MHz at 9:30 PM ET, starting with RTTY. (Frequencies are +/- QRM). All radio amateurs, WASH members or not, are welcome to join in!			

THE LEGAL STUFF

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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 N3FFP/R Repeater System for permitting the **Wireless Association of South Hills, Inc.** and it's members to use their repeaters for club purposes.

WASH Amateur Radio Club News Briefs

Next WASH VE Test October 19th!

Our Next VE exam sessions will be **Thursday, October 19th, 2000**, at **7:00 PM**, at the *John McMillan Presbyterian Church*, 875 Clifton Road, Bethel Park, PA. Talk-in on 146.955 MHz. All examiners are ARRL VEC affiliated. Morse code exams are multiple-choice. Walk-ins are always welcome, but if you plan on attending the test session, please contact VE Team Liason Bob Sanford AA3FI, telephone (724)-356-4020 or E-Mail: sanfordb@access.hky.com

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 \$6.65 (payable to: ARRL VEC)

Hook, Line & Sinker: Congratulations to Greg Babin KQ3DX on his engagement to Janine Tony. Yes, we know it's hard to believe, but Greg is hooked. The wedding will be taking place in the Fall of 2001. (There is absolutely no truth to the rumor that WN3VAW, W3SRL and/or W3JQJ are taking odds on how long after the big event that the famed KQ3DX ham shack will stay intact...)

More Kudos: One of the candidates at the July 20th test session was Ed Oelschlager N3ZNI, and we are very pleased to tell you that after months of hard work, Ed passed his code test for General! Ed's wasted no time using his new /AG privileges on HF; his first HF contact was rare DXCC entity North Cook Islands!

Butler Hamfest: We've had several inquiries about whether or not the club will be holding our Hamfest Cookout again at September's Butler Hamfest. If there's enough interest, yes we will! BCARA has indicated that we are more than welcome (as long as we don't sell food, of course) to fire up the grill again. More next month.

Field Day 2000 Pins: If you're eligible for a Field Day 2000 pin and haven't already gotten yours, N3RDV is holding it for you. Please contact Mark to arrange to get your pin.

US Islands Contest Expedition



W3SRL and I are planning a daytime only expedition to Herr's island (PA-022R) on Saturday morning the 12th of August during the 2000 US Islands contest. This is the Island sometimes known as Washington's Landing. It's in the Allegheny river and is under the 31st Bridge.

We can drive there by car and parking is convenient. We will only operate during the day beginning at Noon even though the contest runs all night into Sunday.

Please let me or Steve know if you're interested. this should be a fun event for all. No extensive food is planned although we'll probably cook Hot Dogs etc. all day long. We hope to see you there!

— Bill Hill W3VHW

The ARRL Board of Directors has expressed it's thanks & appreciation for the "effort, enthusiasm & dedication of ARRL VE's and the ARRL VEC" for efforts above & beyond the call of duty in handling the flood of applications in the wake of Amateur Radio Restructuring



Final point totals for N3SH Field Day 2000:

CW 258 QSO's
 Phone 290 QSO's
 80 multipliers !

Total: 4384 points
 Plus Bonus points for: 100% emergency power, media coverage & location in public place: 4684 Points. — Paul Lusardi NØVLR (Thanks to NØVLR & W3RJM for preparing the Field Day logs for ARRL submission.)

QSO with	Confirming QSO						
	Day	Month	Year	UTC	MHZ	RST	Mode

Contact info:
WASH Amateur Radio Club
 PO Box 79211
 Pittsburgh, PA 15216
 or contact NØVLR@arrl.net
 Grid: EN90
 Lat/Lon 40.3 X 80.0

Look for us on the
 - 146.955 or + 442.550 repeater
 Or during:
 WASH-Fest in February
 PA QSO Party
 ARRL Field Day
 BreezeShooter's 10M Grounder
 US IOTA



N3SH QSL Card Prototype: NØVLR has volunteered to serve as the N3SH/WA3SH QSL manager and has submitted this as the prototype for the "regular" N3SH QSL Card. Thoughts?

The Hunt is Still On! Everyone's reaction so far to the proposed January contest for the club has been positive. About the only big negative was the proposed "Shark Hunt" name. Somehow "WASH Hunt" doesn't have the same ring to it; we're open to suggestions right now. It's also been suggested that the Breezeshooter's grids are too large for a 2 meter contest; instead, community names has been a good, simple alternative, with a multiplier based on the number of different counties worked. What do you think? Remember, get a hold of contest organizer Ed N3ZNI in the next few weeks so that we can finalize the rules by October 1st.

Receive your WASHRag via e-mail! Sign Up at wa3sh-subscribe@egroups.com
 Join the new WASH Reflector & stay up to date! n3sh-subscribe@egroups.com

Minutes, July 13th 2000 Meeting

Paul Lusardi NØVLR Acting Secretary WASH

Meeting was called to order by WN3VAW at 19:30 local time. There were 12 members present and 1 guest.

A moment of silence was observed for silent keys.

Introductions were made, and Ernie WB3KFT welcomed.

N3SBF motioned that we accept the minutes of the June meeting as published in the WASHrag. Seconded by KE3XB and carried.

Treasurer's report was read and approved.

Secretary: No Report (W3SRL on vacation)

VE Team: N3XI will run the next VE session on July 20, 2000.

2 Meter Net: Greg, KQ3DX needs net controls for August.

Digital Net: On Hiatus, KE3XB looking into changes for restart in the fall.

Repeater: No Report (N3RNX on vacation)

Contests: Field Day: A great success! - 610 Q's was the rough count.

Bob W3RJM logging, checking for Dupes as we speak. Public Service Announcements on WEAE ESPN Radio 1250 & Newspaper Article in Washington Observer-Reporter, thanks to Kevin N3KFD. Power sources for next field day battery or generator - batteries worked well, except for lighting. All active FD2000 participants should get their FD pins from Mark N3RDV. Only a few visitors at field day, posted signs did not last, however. WASH is looking for 2001 FD chairman, NØVLR pretended to ignore WN3VAW.

PA QSO party in October, WASH will sponsor the WPA High Power plaque again if asked by POP/ Nittany ARC.

Mt Davis or US Islands expedition upcoming and possibly something in August. KE3XB will call W3WH about his plans.

KE3XB reminds all: RTTY contest this weekend

President: Fund raising, ways and means committee established, Carol Danko in charge.

Old Business: Code practice library (tapes) tabled until next meeting
Classes in September possibly in Mt. Lebanon Library for NO CODE TECH and maybe code class if demand warrants.

New business: Discussion of August meeting/picnic. N3UE volunteered his mother's backyard. Hand count, voted to accept Ed's offer and to hold next meeting as a picnic meeting on August 27th. Ed N3UE appointed picnic coordinator, will give directions to Ron for publication.

Good of the order: Pittsburgh Vintage Grand Prix this coming weekend, more amateurs needed, great time, please help. NØVLR reported that the WACOM trailer has been painted, thanks to N3RNX for his help. WACOM's N3HOW operated with trailer as N2B for OPS sail, NJ. N3ZEN reports that the tour of USS Requin could occur in August or September. Steel City ARC had a picnic/auction last night, many WASH members invited & in attendance; WN3VAW thanked SCARC on behalf of WASH for their hospitality.

Pete NP2/N3RNX and W3SRL/4/QRP on vacation, their potential schedules for operating discussed.

Meeting adjourned at 8:25PM: N3RDV, Harold KB3EPC second.

Post meeting discussion of proposed Shark Hunt (see July newsletter) held to toss around and fine tune ideas. General agreement to hold the activity in some form in January.



Where Have All the Elmers Gone?

Sal Ippolito N4YQU

Since I was a boy of ten, I was attracted to Amateur Radio.

My best friends dad was a ham (I can't remember his call sign) and he took me under his wing. A real Elmer! He worked with me on theory, and code, and was teaching me, what he called the ethics of amateur radio. Things were going along fine until one day at school, when my teacher announced that Tommys' father had passed away over the weekend, and that Tommy was going to be living with his Grandparents in New York, and would not be back to school. I was devastated over the loss of my best friend, but also over the loss of my mentor who had taught me so much.

Thirty years passed, and I still had not gotten that Novice license. In 1990, The spark was again ignited when I happened into a Ham radio Flea market. Not a Hamfest, but rather a Club here in South Florida that promotes an Amateur radio Flea Market in the Motorola parking lot here in Sunrise Florida. At this flea market, I couldn't help but think about my old friend, and his father, the kindness and patience he showed me in my studies.

My mind was made up!

Not knowing where to go, or what to do next, I let my fingers do the walking in the phone book, and found the local Amateur Radio shop. As soon as I could, I visited the shop, and came away with a Bearcat scanner, So I could listen to the vhf, and uhf bands, a used Hallicrafters Receiver for HF, a Novice and Technician's Manual, and several assorted code tapes.

Six weeks later, I attended an Exam session, and passed the 5 wpm code test! I then took the written for novice, passed it, and was persuaded to attempt the Tech written at the same time. Passed that too! What to do next?

I heard about several clubs in the area, and I thought that was probably the way to go to meet people with the same passion that I had. I was wrong! What I found was a group of self centered individuals who ran their meetings like a Southern Judge trying a Yankee speeder! After the meetings, they would break off into cliques, and That was that. I would volunteer for club duties, and

(Continued on page 5)

WASH 2000 New & Returning Members

K3LIE	N3BSQ	N3UIW	W3RJM	Carol Danko
K3VX	N3CCC	N3VVL	W3SRL	Dan Mohr
KA3JZR	N3IDH	N3VWF	W3VFA	JoAnn Cottrill
KA3TWI	N3KEH	N3WPT	W3WH	Marilyn Nizinski
KA3WZO	N3KFD	N3XFE	WB3BPH	
KB3CPI	N3MJQ	N3XI	WN3BOJ	
KB3DCO	N3OBD	N3YPB	WN3VAW	
KB3DSB	N3QMV	N3YQY		
KB3DSD	N3RDV	N3ZEG		
KB3ECD	N3RHT	N3ZEH		
KB3FBG	N3RNX	N3ZEL		
KE3XB	N3SBF	N3ZNI		
KQ3DX	N3TBK	N4MIS		
NOVLR	N3TES	NP2JF		
N2QIV	N3UE	W3HND		

2000 Annual Dues Paid Through
July 30th
List compiled by
Mark Stabryla N3RDV
Vice President/Treasurer

Hollow State Ramblings

Military boatanchor collecting is a very interesting and worthwhile branch of the hobby. Many of the HF boatanchors are usable "as-is" on the ham bands. So here you have a chance to operate a real piece of history, just the way it was supposed to be used 50 years ago.

The military followed roughly the same path of development that was traced by ham radio. LF in the prewar years begat HF "short wave" during WWII, which was largely succeeded by VHF by the Korean war through Vietnam, and ultimately followed by the UHF and satellite military systems in use today. But the military jumped into FM in a big way during WWII, pre-dating widespread ham usage of FM by 20 years. The military was also relying heavily on RTTY during WWII and hams didn't catch up to that trend for a decade (partly thanks to FCC and Ma Bell blundering).

Almost all military radios up through Vietnam are plentiful and relatively inexpensive. They make fine collectibles and the HF AM/CW mode sets are fun to operate on the air. The FM sets cannot be used on the air because the military used wideband FM in these radios. However, in the HF category, some dedicated fanatics have nets where all the check-ins are supposed to be made on a specific military rig and the discussion is mostly focused on that rig. The best of these nets is dedicated to the Wireless Set #19 Mk II tank radio. The net is usually run by Dave or Chris and it is the first Sunday of every month starting at 2000 Z on 3760 LSB +/- QRM.

The problem with collecting military radios is that information is so hard to find. There are few published resources. Almost everything has to be dug up from the original military publications or scattered articles in various AWA (Antique Wireless Association) and ham publications. And the ham articles often don't focus on the rig and its history. They discuss the conversion of the rig for ham usage. Beyond that difficulty, there is much for a novice to learn. Each of the services generally used their own radios and, during WWII each service followed its own "nomenclature" or categorization system. But there are many exceptions including a whole group of so-called "spy" radios that were issued without much marking at all.

So what I want to give you in this column is a short cut to learning about the radios and other collector resources. This gets pretty fragmented, but stay with me if you are interested in military gear.

The first stop is (of course) the web. Check in at this site to see some great photos and a look inside one of the few active military collector groups the following groups: <http://members.xoom.com/Milradio/>. If you are a lover of the Collins-designed R390A receiver, look at <http://www.avslvb.com/R390A/index.html>. Examples of commercial sites catering to collectors are <http://www.qsl.net/w9tad/index.htm> and <http://www.armyradio.com/>. Once you've started to learn your way around the nomenclature a bit, you can make use of the SIGNAL CORPS MUSEUM at <http://147.51.101.5/museum/>. Under "Archives," they have an "SCR" index and a "BC-1 to BC-1421" listing which is excellent. Finally, some collectors have worthwhile sites in operation. Try Tom Norris's site at <http://www.telalink.net/~badger/milist/mi.html> to see one of the best.

Next, for a broader perspective and some history, check the official history: Terrett, Dulaney et al., US Army In WWII: The Emergency, Volume 1, USGPO, 1956
Terrett, Dulaney et al., US Army In WWII: The Test, Volume 2, USGPO, 1971
Terrett, Dulaney et al., US Army In WWII: The Outcome, Volume 3, USGPO, 1966

These 3 volumes are a detailed history. They are still in print and available at the USGPO bookstore in the Federal Building on Grant Street.

Then there are a group of key U.S. Military Technical Manuals that you should be on the lookout for, as listed below. Beware--these are all hard to find, even in photocopy format. Originals often sell for \$30 to \$200.

Aircraft Radio Equipment, Navy Trn. Courses, NAVPERS 10312 Navy, 1944
Reference Data - Field Radio Comm. Equip., SIG 660-63, Ft. Monmouth, 1953
Introduction To Radio Equipment, NAVPERS 10172 US Navy, 1946
Radio Operator's Information File, AAF Form 24R, Army Air Force, 1944
TM 11-487 Radio Equipment
TM 11-227 Radio Equipment
Radio & Sound Bulletin, US Navy, circa WWII, about 20 issues were published
JANAP 161 (military predecessor to the MIL-HBK-161)

Don Merz N3RHT

MIL-HBK-161: 2000 page reference
US Navy SHIPS-275 Catalogue of Radio Equipment
TM 11-310 Radio Equipment Schematics
TM-11-486 Communication Systems Engineering
TM 11-387 Ground Radio Survey

Finally, some boatanchor collector periodicals have done a good job of covering the military gear. These include:

Electric Radio: 14643 County Road G Cortez, CO 81321-9575. ER is the preeminent magazine in the US for collectors of boatanchor gear including some military gear. The first 24 issues of ER featured a column by Walt Hutchens called "ER in Uniform" that is MUST reading for almost all military collectors. These back-issues are still available from ER.

Old Timers Bulletin: Comes with membership in the Antique Wireless Association. AWA does not often publish articles or military gear. But when they do so, the quality, content and depth of those articles is excellent.

Radar History Newsletter. I know nothing about this. Get details from Don Helgeson, 9200 Bennet, Evanston, IL 60203, (708 676 4629).

Radio Bygones (UK): Wise Owl Worldwide Publications @ (310) 375-6258. RB is an excellent vintage radio magazine and often has articles on US, British, German and other nation's military sets.

As always, please feel free to contact me at merz.ds@mellon.com with any questions or comments. Please don't hesitate to use me as a resource.



LAST MONTH'S TRIVIA ANSWERS

1. The radios that became the military "Command Sets" were designed in 1935 by Aircraft Radio Corporation employees Paul Drake and Paul Farnham.
2. The first "Command Set" design proposed to the military was the Type K.
3. The U.S. military adopted the "command set" radios in a series of nomenclature designations. The five designations used for WWII and prior manufactured sets were RAT, RAV, ARA/ATA, SCR-274N and AN/ARC-5.
4. The distinguishing characteristic between the Navy command sets and the Army command sets is their color. Navy sets are black. Army sets are bare aluminum.

(Continued from page 4)

even after being in the club for almost a year, would still be asked my name, and call sign! I didn't renew my membership!

I attended meetings four other clubs, and although they weren't as bad, I still felt out of place. In the interim, I passed my written for the General license, but was having a hard time with the 13 wpm code. It was about this time that I began to burn out. Over time, I stopped attending meetings, and eventually stopped working HF, and I sold My 2 meter rig. I was an Ex-Ham!

In late 1999, I came across my station License, and saw it was about to expire. This roused old feelings in me, and on a gut reaction, I renewed it.

I'm a Ham again. I dug out the remnants of my old station, and I am slowly getting my act together. This time, I am not going to get involved with cliques, or Amateur's that think they are above everyone else. What I want to find is a group that embrace the old standards that I was taught as a young boy at my friends house. A group that is WILLING to share Knowledge, and help the newcomers along, Code efficient, or not. And my only hope is that I myself can progress to the point where I can inspire, and help someone in the greatest hobby/pastime/ way of life that there is!

"The Storm" — One Year Later

William Refner, Fire Chief, Castle Shannon VFD

It was the second day of the Fireman's Carnival last year. I'm sure you'll all remember it as the day "The Storm" hit the South Hills. Our community received heavy rain, high winds, and flash flooding. Enormous trees were toppled and power lines were downed on every block — leaving most of us without our power for four or five days.



That day, the Fire Department was called and answered 122 alarms — to people's homes and to businesses all around the town. It was a true test of the 911 system, which passed with flying colors! The Borough Officials, Police, Public Works Department, Medical Rescue Team and the Fire Department all worked together to help residents affected by the storm.

As our firemen worked tirelessly pumping basements, removing trees and shoveling mud, the furthest thing from their minds was that evening's planned festivities, the Carnival. It too was a disaster! As we responded for the community, the community responded for us. Many people we didn't even know, along with many of our loyal carnival volunteers came to our rescue. They showed up at the carnival grounds to help rebuild tents, repair rides, and clean up the two feet of water that collected in our rental halls. The result was only one night in six without our most important fundraising event of the year.

Beyond the reaffirmed support of our community, we learned an important lesson during the storm emergency — the importance of cellular phones. With telephone lines down across the area people turned to cell phones. Demand was so high, lines were jammed, and many people received busy signals. As a community, we can learn. During an emergency, cell phones should be limited to emergency use only. Calls should be kept to a minimum, should be short in duration, and should be to family members to let them know that you are all right. Once the initial emergency has passed, then non-emergency calls may be placed.

As a community, we came together and weathered the storm.

[The Castle Shannon Volunteer Fire Department's Carnival 2000 will be held from July 31st — August 5th at the Fire Hall, Grove Road at Library Road (Route 88) in Castle Shannon. WASHfest is held at the CSVFD Memorial Hall. We encourage all club members and friends to come to the Carnival in support of our friends in CSVFD.]

With telephone lines down, people turned to cell phones.

Demand was high, lines were jammed, and many people received busy signals.

During an emergency, cell phones should be limited to emergency use only.

Skyview Radio Society Hamfest

Sunday, August 27th, 8 AM – 3 PM,
Skyview Radio Society Clubhouse

FREE ADMISSION. Flea Market Spaces: \$5.
50/50 Raffle.

Talk-In on K3MJW/R 146.64- (131.8 PL)

DIRECTIONS: From New Kensington: Take route 366 east for about 7 miles. After passing Merwin Road, look for the Hannon building on the left. 100 yards past the Hannon Building, turn left on to Whitten Hollow Road. Go about 1/4 mile to a stop sign. Turn right on to Turkey Ridge Road. Go to top of hill. Skyview is on the left.

From Pittsburgh, Apollo, or Greensburg: Take route 366 west or route 380 east or west to the intersection of routes 366 and 380. Get on or stay on route 366 west for about 1/4 mile. After the 4 lane highway ends, take the first right (Whitten Hollow Road). Go about 1/4 mile to a stop sign. Turn right on to Turkey Ridge Road. Go to top of hill. Skyview is on the left.



For more information: Bob Livrone N3WAV n3wav@arrl.net

Maryland/DC QSO Party 2000 August 12 1600-0400 UTC
August 13 AND 1600-2300 UTC August 13

Certificates are awarded to all stations with 50 or more QSO POINTS in their entry. Many certificates are awarded including: 10 Best MDC Single Ops, Best score per state and DX Country, Best MD YL, Best Technician, Entry each state and best QRP Log per state. Non MDC must work MDC stations for score. MDC works the world. Stations may be worked once per band per MD County Per mode. Non-MDC stations must be single operator. Exchange QTH and Major Category of entry. QTH is county for MDC stations. State, Country or Canadian Province as appropriate for others. Major Categories are CLUB, QRP, MOBILE, TECHNICIAN, and STANDARD. SCORING: Add up qso points and Multiply by the sum of the multipliers. Multipliers may be claimed once each. They do not repeat from band to band.

Send Logs + Scoring Summary with a SASE or equivalent by September 20, 2000 to the Antietam Radio Association, P.O. Box 52, Hagerstown MD 21741-0052



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. 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 two years!

Attic Antenna Systems

Stephen T. Reynolds WA4CNG Courtesy of eHam.Net

Growing up in the early 60's with a new General Class call sign after 1 year as a Novice was great fun. I lived at home with my parents and had lots of trees to string antennas on including an 80 and 40 meter dipole. I later got a tri-band beam up on our roof with rotor. I worked a little DX, but mostly rag-chewed on 75 meters. The DX was on 20 and 15 meters. Well here comes incentive licensing and being the arrogant upstart that I was, I did my own protest at that. So I let my license lapse, waited 30 days, took the General Written test and did 5 WPM CW and bought my call sign back for \$20 with a Technician license. I moved up to the VHF spectrum and had great fun and pride building 2 meter repeaters here in Atlanta in the 70's and 80's.

As we all know, the FCC in their wisdom decided to kill incentive licensing. It really never did work, and instituted a much simpler 3 classes of Amateur Radio licenses. I got my General class license back on April 15th along with several thousand others that upgraded.

Well as time goes along so do homes, families, jobs and so forth. In August of 1999 my wife and I moved into our new home in Alpharetta, Ga. The home is in a very nice neighborhood with many restrictive covenants. As I was operating on VHF at the time, the large attic and tall roof line provided me ample space to put a dual band Omni 144/440 antenna in it (15 feet high) plus a high gain 800Mhz antenna for my scanner. The ground elevation here is 1200 feet and is one of the tallest ridges in North Fulton County. When your VHF/UHF antenna base is 100-200 feet higher than most all others, Height Does Matter, no matter how you get it, ground elevation or a tower.

Well here comes the FCC with Santa Claus at Christmas time. I have NO trees in the yard (.35 acres), restrictive covenants which meant nothing to me on VHF/UHF, but I am getting back on the HF bands. How do I do this and take full advantage of my general class license, which will arrive on April 15th?

My first step was to buy the current ARRL Handbook, plus their Vol. 6 Antenna Compendium. Both of these provided me with lots of information on adapting antennas for an attic, as there have been no major changes in design in the last few years, with the exception of a couple of antennas on the market right now that seem too good to be true. My attic is 50 feet wide and 40 feet deep with a peak 15 feet high. There are lots of cross members in it along with quite a lot of open space, but it is not long enough for a full sized 40 Meter dipole.

The first antenna I got was an Alpha Delta DX-EE dipole because it would fit in the space available. In my work I have access to some very good Antenna Bridges. I fine-tuned this antenna for the center of the Phone Band on 40-10 meters. The DX-EE works great on 40-10 with reports from all over saying 'you gotta hear your signal from that attic mounted antenna with 100 watts SSB'. It is installed as a slightly inverted V.

I next purchased a Square Loop antenna, strung it around the furthest corners of the attic. I had to cut some of the wire off to get it to fit and stay square. This produced a resonate frequency of 8Mhz instead of the desired 7.2Mhz. It was off to HRO for an MFJ 949E tuner. This antenna serves well on 40 and 20 for DX. I bought a 1:1 balun and built a copy of the 40 meter loop for 20 and 10. It is resonant on 20 and 10 and with the tuner on 15. Square loops are quieter and have a higher take off angle which is needed sometimes for DX depending on the distance to some countries.

The FT-100 I purchased is good for 160M-70CM all modes. The next thing on the agenda was horizontal polarization on 144/440Mhz (Satellites). The candidate was the Eggbeater antenna with ground plane assembly. Up it went on a 12 foot mast. Now I am all set to go out and scare up some DX.

I have now worked 70 countries using the attic mounted antennas. I can easily hold my own in the pile-ups, by waiting my turn in line, instead of blasting away with 1500 watts and stacked 5 element monobanders at 150 feet fed by 7/8in hardline. My feed lines are all 50 ohm double shielded teflon insulation with silver plated center conductor. None of them is over 35 feet in length. My current ham shack is part of the computer room on the second floor below the attic. All of the feed lines go through 1 gang box hole in the wall like a telephone outlet with 5 outlets. I have two antenna switches for multiple uses through the tuner. I have just pulled two runs of inch super flex cable from the attic down to the Terrace Level of the house into the room where I am building my shop/shack. I fear that when I get that room built, I will be moved into it for my ham shack. Not a problem, there are several very good remote coax switching systems out there. One of the best joy's of Attic Antennas

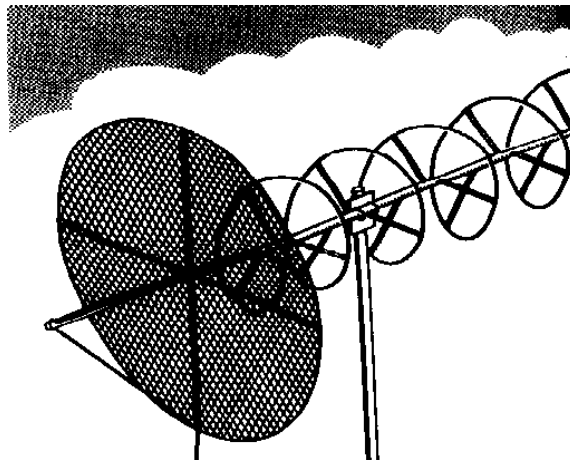
is that I do not have to go grounding them or worry when a storm comes up. I sometimes keep operating anyway. My neighborhood has all underground utilities. The rig is run off of a 1000 watt computer UPS system, plus I have a Whole House surge protector on the main panel.

I am currently scheming a way to get a Stealth multi-band vertical mounted in a backyard flowerbed and when it becomes a reality I will write about that adventure also.

The last thing I will do before I get moved into the Terrace Level shop is to run one last wire cable from the basement into the attic and one turn around the attic. This will be an indoor long

wire out of 10ga stranded wire. I currently use my tuner with the DX-EE on 75 meters, but the efficiency is real low. It may take a full gallon with the DX-EE and tuner to be able to talk where I want to on 75 meters, or the indoor long wire may get the job done.

I have just bought a second DX-EE antenna and installed it 90 degrees around from the first, with the two feed points on top of each other. This makes for an interesting way to switch TX/RX lobes from N/S to E/W depending on where the signal is coming from. I also have just completed my required FCC RF Exposure survey and passed as all antennas are 6-15 feet up in the attic, and the second floor is 10 feet high in the house, you cannot get physically close enough to get into a controlled or uncontrolled area near the antennas. With this done I need not post any of the yellow notice signs in my house.



No Excuses for Inaction

Duane Fisher W8DBF

Ever since I was blinded by a careless hunter on the eve of my eighteenth birthday, I have listened to all sorts of people tell me what I could not do because it was simply impossible. Some were well intentioned and truly concerned, others were just the basic generic defeatists who find fault with most every aspect of life.

I would far rather be a 'has been', than a 'never was'!

You can sit around and discuss a topic to death, but unless that discussion is followed by action, it is pointless. Knowledge without application is the same as ignorance. Knowing the answer changes nothing! Using the information to change things requires a personal, or national, commitment.

I overcame the odds and did most of what I was told was not possible for a blind person to do. Some of it was downright dumb on my part, as I took some pretty big chances on different occasions. But I did live to walk away, although wounded more than once. I succeeded because I was not afraid to fail. When plan A did not work, I went to back up plan B or C or D ...

If you want change, then make it happen! We did not get to the Moon in 1969 by discussing why it could not be done for economic, ecological, philosophical, religious and other like persuasions. We got there because we believed in a dream and made that dream into a reality! We worked hard, we overcame failures, we fought down discouragement, found new ways when known means failed us and kept our eyes always on the goal! We did not give up and we did not quit! And we made it happen.

Amateur Radio can be as much, or as little, as we want it to be. There are no limits to what we can do! Except those that we willingly put on ourselves or permit others to place upon us.

We have nobody to blame but ourselves for failure. It is a choice that each one of us makes for him or her self. "Yesterday is gone. Tomorrow may never come. We must do the best we can with what we have today." Yes, I quoted myself from the Flint Journal in 1966.

[Duane Fisher W8DBF bills himself as "This World's Only Known Totally Blind Professional Magician, Mentalist & Illusionist. He is currently the owner of the Hallicrafters Reflector and one of the driving forces behind the Hallicrafters Collectors Association, and hosts the Home Pond & Pad of Frogzilla.]



The Western New York DX Association will operate Special Event K2L from August 7-20 in conjunction with the Buffalo, NY Harborfest & culminating with operation from the Buffalo Lighthouse during the Lighthouse/Lightship Activity Weekend August 19 & 20. From August 7-18 period, activity will be on CW, SSB, RTTY & PSK31 on all bands. August 19 & 20 activity will be on CW & SSB from the lighthouse.

QSL via WB2YQH, P.O. Box 73, Spring Brook, NY 14140

— WB2YQH

Silent Keys



Fred Kittman W3FJK, July 26th

DX News Briefs



W1MCE is listed on the QRZ? Web site as manager for **TU2KC**. However, Dave states "I'm not a forwarding address or QSL Mgr. for that station! I have no idea how I became listed. A year ago I forwarded one e-mail to TU2KC through the QRZ site and wound up listed as the e-mail address. If some one can help me UNLIST I'd be very pleased. I average 1 e-mail a week from stations waiting for QSL cards. I'm still waiting for mine." — W1MCE

The **FOØAAA** QSL cards are being processed every day. The response to the expedition is very large and all is being done to expedite your QSL requests. Please be patient. If you did not receive a QSL for an individual band/mode that you think you should have please send a note to N7CQQ (QSL manager) in a month or two. A large number of "Not in Log" QSLs were the result of a "Slim" operating on 40 meter CW, mainly on March 8th. If you are missing a QSL for that date/mode/band please understand that it is very possible that you worked a "Slim". Our FOØAAA team members are very sorry that this occurred.— N7CQQ

AP2JZB does not now, nor has he ever operated CW! If you work this call on CW, you've worked Slim. — K2EWB, K8AV

K4VUD is soliciting for amateurs to join him in an expedition to **A5 Bhutan** in December 2000. He is able to make travel arrangements and has a contact to handle licensing. No word yet on equipment needed; he is not yet soliciting funds or equipment. Potential operators be aware it's not cheap; the license alone may cost \$300! For more information contact k4vud@hotmail.com — K4VUD

KH6ND has returned to Palmyra & is again QRV as **KH6ND/KH5**. Operating schedule is not yet known as Mike is again assisting The Nature Conservancy in its operation on the atoll. Length of stay has yet to be determined. He will be active everyday on several bands. QSL K4TSJ CBA. Also it should be noted that some pirate activity did take place after his departure from the atoll last month. — N4XP & NI6T

The GOLIST, QSL MANAGER LIST has a new Domain. Please change your book marks to this URL: <http://www.golist.net>. New email addresses also: golist@golist.net; K1XN@golist.net — K1XN

7O1YGF via DJ3XD — WA9ALS
3B8FR Direct, NOT via F6FNU — K1XN
FOØKOJ via JK7TKE — NX7U
9G5XO via DL7VFR — NX7U
CN8WW via DL6FBL — W3SB
ED3IM via ON7LX — ON7SS

The **3B6RF** expedition will be QRV October 8 – 24. They plan to run 6 HF KW station, 6 meters, and one Satellite station (AO-10). They are currently short one operator — if interested, contact team leader HB9BXE hb9bx@pilatusnet.ch. — HB9FMU

I5NSR will be QRV from Villivaru Atoll, Maldives (AS-013) August 13-23 as **8Q7NSR**. QSL via I5NSR — I5NSR, 425 DX News

AX3OLY has been allocated to WIA Victoria to commemorate the Sydney Olympic Games. QSL via VK3WI — VK3EW

Thanks to the NJDXA DX Reflector, 425 DX News, OPDX News, & ARRL DX Bulletins for our **DX News** information. Thanks also to W3UR/The Daily DX for confirmations & additional information.

Are You Old?

Professor Jose E. Castillo, San Diego State University.
Courtesy of "The Electron", newsletter of the Sterling-Rock Falls ARS.

Each year the staff at Beloit College in Wisconsin puts together a list to try to give the faculty a sense of the mindset of that year's incoming freshmen. Here's this year's list:

- Most of the people who are starting college this fall were born in 1982.
- They have no meaningful recollection of the Reagan Era, and do not know he had been shot.
- They were prepubescent when the Persian Gulf War was waged. Black Monday 1987 is as significant to them as the Great Depression.
- There has been only one Pope. They can only really remember one president.
- They were 11 when the Soviet Union broke apart and do not remember the Cold War.
- They have never feared a nuclear war. "The Day After" is a pill, not a movie.
- They are too young to remember the space shuttle blowing up, and Tiananmen Square means nothing to them.
- Their lifetime has always included AIDS.
- They never had a Polio shot, and likely do not know what it is.
- Bottle caps have not only always been screw off, but have always been plastic. They have no idea what a pull-top can looks like.
- Atari pre-dates them, as do vinyl albums.
- The expression "you sound like a broken record" means nothing to them.
- They have never owned a record player.
- They have likely never played PacMan, and have never heard of Pong.
- **Star Wars** look very fake to them, and the special effects are pathetic.
- There have always been red M&Ms, and blue ones are not new. What do you mean there used to be beige ones?
- They may have heard of an 8-track. but chances are they probably never have actually seen or heard one.
- The Compact Disc was introduced when they were 1 year old.
- As far as they know, stamps have always cost about 33 cents.
- They have always had an answering machine.
- Most have never seen a TV set with only 13 channels, nor have they seen a black-and-white TV.
- They have always had cable.
- There have always been VCRs, but they have no idea what BETA is.
- They cannot fathom not having a remote control.
- They were born the year that Walkmen were introduced by Sony.
- Roller-skating has always meant inline for them.
- The Tonight Show has always been with Jay Leno.
- They have no idea when or why Jordache jeans were cool.
- Popcorn has always been cooked in a microwave.
- They have never seen Larry Bird play. Kareem Abdul-Jabbar is a football player.
- They never took a swim and thought about Jaws.
- The Vietnam War is as ancient history to them as WWI, WWII, or even the Civil War.
- They have no idea that Americans were ever held hostage in Iran.
- They have never heard the phrases: "Where's the beef?", "I'd walk a mile for a Camel", or "de plane, de plane!"
- They do not care who shot JR. and have no idea who JR. is.
- The Titanic was found? I thought we always knew where it was.
- Michael Jackson has always been white.

Think about it - we spend so much time talking about how we need to interest more and more people in amateur radio. The group that we'd most like to recruit from is represented above.

Are we even talking the same language when we meet with this group?

FCC News

ARRL Bulletin courtesy American Radio Relay League

Federal authorities have arrested a Florida man and charged him with interfering with Amateur Radio operations and transmitting without a license. William Flippo of Jupiter was taken into custody July 20.

Flippo already faces a \$20,000 fine levied last summer for unlicensed operation, willful and malicious interference to Amateur Radio communications, and failure to let the FCC inspect his radio equipment. The matter was referred to the US Attorney in January after Flippo failed to pay the fine, and the interference complaints continued.



Armed with a search warrant, federal marshals and FCC and FBI agents, accompanied by local authorities, took Flippo into custody. FCC agents seized items related to the alleged offenses, including radio equipment.

Flippo was released on a \$100,000 bond. An arraignment on the federal charges is scheduled for July 31. One condition of his release is that he not make any radio transmissions.

Flippo was charged with four counts of transmitting without a license--each count carrying a maximum penalty of one year in prison and a \$10,000 fine--and four counts of interfering with the operations of licensed stations, which carry the same penalty.

The FCC has begun implementing the Commission Registration System, known as CORES. While the action has few immediate implications for Amateur Radio licensees, CORES registration eventually will replace Universal Licensing System, or ULS, registration.

Described as an agency-wide registration system for anyone filing applications with or making payments to the FCC, CORES will assign a unique 10-digit FCC Registration Number, or FRN to all registrants. The FCC says use of the FRN will allow it to more rapidly verify fee payment.

The on-line filing system and further information on CORES is available by visiting the FCC Web site, <http://www.fcc.gov> and clicking on the CORES registration link. For the time being, using an FRN is voluntary, although the Commission says it will consider making it mandatory in the future for anyone doing business with the FCC.

CORES registration will supplant ULS registration, but the ULS will remain the licensing database system for Wireless Telecommunications Bureau licensees, including Amateurs. For now, the ULS remains available to new registrants. Amateurs who registered in the ULS prior to June 22 automatically have been registered in CORES and will receive an FCC Registration Number in the mail. ULS registrants also may search for their FRN on-line at the FCC's CORES Web site.

A copy of the FCC Public Notice on CORES/FRN is available at <http://www.arrl.org/announce/regulatory/da001596.pdf>

"I have nothing to say. And I'll only say it once."
Toronto Maple Leaf coach Floyd Smith at a press conference

43rd Annual Pennsylvania QSO Party Official Rules October 14-15 2000

Sponsored by the Nittany Amateur Radio Club, PO Box 610, State College PA 16801

OPERATING PERIODS: 1600Z, October 14 to 0500Z October 15 and 1300Z October 15 to 2200Z October 15, 2000
QRV: SSB: 1850+, 3980, 7280, 14280, 21380, 28310, 50.125, 146.55
 CW: 40 khz up from the bottom and 1810
 Try 160 meters at 0300 Z, (11pm Saturday night) - Band plan below
TECH & TECH PLUS: 28310, 50.125, 146.55
 VHF QSOs ARE permitted and encouraged. However, QSOs on 12,17,30 meters are NOT permitted.
MOBILE WINDOW: 5 khz below listed frequencies. Keep clear for mobiles!
Special High Band Activity Periods: Saturday & Sunday: 10m - 1800z; 15m - 1900z; 20m - 2000z SSB on the hour, CW on the half hour!!
 Watch your 160M frequencies. The band plan is: 1.800 - 1.830 CW; 1.850 - 2.000 SSB (Keep 1.830-1.850 open for DX QSOs ONLY!)

EXCHANGES: Sequential SERIAL # (number) plus COUNTY or ARRL or RAC (Radio Assoc. Canada) SECTION
 Stations on COUNTY LINES will give out ONE serial number per QSO but all counties count as multipliers.
 Work MOBILES and ROVERS as they change counties.
 Stations may be re-worked on different bands and different modes.

SCORING: QSO POINTS: CW QSOs on 160 & 80: 2 points
 Other CW QSO's: 1.5 points
 SSB & FM QSO's: 1 point

MULTIPLIERS: PA Stations: 67 PA Counties + ARRL Sections + RAC Sections (NOT Nunavut) + 1 DX 152 Total

Out of State Stations: Pennsylvania Counties 67 total
BONUS MULTIPLIERS: QRP (<5 Watts) x2
 Novice / Tech / Tech Plus x3
 QRP Novice / Tech / Tech Plus x5

BONUS POINTS: PA Mobiles & Rovers add 500 points for each location operated from (minimum 10 QSO's)
 200 Points / QSO with the Special Event Station (below)
FINAL SCORE: Total Points x Multipliers x Bonus Multipliers + Bonus Pnts.

Explanation of Multipliers: The following constitute multipliers in the Party:
 The 67 Counties of the Commonwealth of Pennsylvania
 The 72 ARRL Sections as listed in QST (Add WCF - West Central Florida)
 The 13 Canadian Provinces or areas. (Nunavut is NOT a multiplier.)
 One 1 DX multiplier - only 1 - do NOT include DX stations which are part of ARRL sections (Pacific, KP2, KP4)
 152 total multipliers — Now there is a "Clean Sweep" to shoot for - NO ONE HAS EVER DONE IT!

ROVER Division: The ROVER division is intended for those who can not go true mobile but would like to activate some rare counties by going to a State Park or farmer's field and throwing up a dipole or a 5 element beam on 2 meters. General rules: Go as many places as you want; you must use a portable antenna; you must move to a new county; and you must travel a minimum of 5 miles between locations, you must make 10 QSOs from each location to qualify for the 500 point bonus. Identify by using /R on CW or "rover" on SSB or FM.. (Remember that "Billy" Penn in his infinite wisdom placed many of the Pennsylvania County Lines on TOP OF MOUNTAINS - great for two meter DX and giving out rare counties during the Party!)

SPECIAL EVENT STATION: Each year, a different Pennsylvania Club will set up and operate a special event station as part of the Party. This year, The Mercer County Amateur Radio Club in recognition of their long time support for the QSO Party, will man the designated special event station using the call, **K3LR**. Add 200 POINTs for EACH QSO with the special event station.- these are added AFTER all other bonus' have been taken.

ENTRY DIVISIONS: Single Operator, Medium Power, EPA (<150 Watts)
 Single Operator, Medium Power, WPA
 Single Operator, High Power, EPA

Single Operator, High Power, EPA (> 150 Watts)
 Single Operator, High Power, WPA
 QRP (< 5 Watts) Intended for those who are indeed using QRP equipment!
 Multi Operator Single Transmitter (ONLY one signal at a time!)
 Multi Operator Multi Transmitter
 Portable (Single op or multi-single only)
 Novice/Tech/Tech Plus
 Mobile: May be single op or multi-single only (NOT Multi-Multi)
 Rover
 CW Only - Single Operator - power limited to 150 watts ONLY

NOTE: If you use both VHF and HF, the VHF transceiver does NOT make you multi-multi! But, you can only have one signal at a time!
 See Pennsylvania QSO Party Home Page for plaque sponsors!

PLAQUES: To top scores in ALL ENTRY DIVISIONS (above)
 Top single op EPA & WPA - medium power.
 Top CANADIAN entry
 Top Single operator from the EASTERN, CENTRAL, MOUNTAIN, and Pacific Time Zones
 QRP Out-of-State if enough entries
 "Worked all 67" (see below)

CERTIFICATES: to all county, section and DX winners.
TROPHY to club with top aggregate score (Club membership chairman MUST submit current roster of members for all club awards.)
"WORKED ALL 67" PLAQUES: Stations working all 67 counties during the Party. QSOs will be verified by the committee from log information. To order, submit a special summary sheet AND YOUR LOG ON A COMPUTER DISK! (in addition to your regular entry summary) listing county, call of station worked, date and time of QSO, and numbers sent and received. Enclose a Check for \$25.00 payable to "The Nittany Amateur Radio Club".
PARTICIPATION COFFEE MUGS: Anyone who makes 100 QSOs or more during the Party is eligible for a handsome PA QSO Party Coffee Mug. To order, include your log showing 100 QSOs and a check for \$9.50 made payable to "The Nittany Amateur Radio Club".
SPECIAL PLAQUE FOR FIRST TIME ENTRANT FROM PENNSYLVANIA: Intended to encourage new contesters, a plaque will be awarded to the top single operator entry from Pennsylvania who enters the Party for the first time. (Not intended for "Big Guns" from other contests! Be honest there, Abe!

ENTRY SUBMISSIONS: Computer Disks are the preferred method of entry!! Printed log not required but they must include a summary sheet and a list of multipliers worked. Paper entries must include the log sheets, a summary sheet, and dupe sheets (if more than 100 QSOs made per band/mode). Log sheets must show Band, Mode, Time, Full Exchange, Call & QTH received. Send the ".txt", ".log" or ".prn" files from your program - not the ".QDF" file from NA. It is recommended that an OFFICIAL SUMMARY SHEET be included with each entry. In addition to normal name/address/phone etc., (Official Summary Sheet is downloadable.) SUMMARY SHEETS MUST include the following: Class of entry, power level, & whether a home/portable/mobile/ or rover station; County and section; Pennsylvania Club Affiliation; Time zone in which you reside; Number of QSOs on 160/80 CW; Other CW QSOs; SSB QSOs; Number of Counties, Sections, and DX worked; Specifics of QSOs with Special events station; Summary of your bonus points taken.

SEND LOGS by November 15 to: Nittany Amateur Radio Club, P.O. Box 614, State College, Pa. 16804-0614
 E-Mail logs will be accepted FROM OUT OF STATE STATIONS ONLY. Send as an e-mail attachment to "na2x@arrl.net". DO NOT send the ".qdf" file. A donation of \$1.00 OR TWO with your entry to help defray the costs of mailing, printing, etc. would be greatly appreciated. Please, no SASE - they only get lost!!
INFORMATION PACKET including complete rules, summary form, record high scores, and a list of county/sections is available. Send request to NARC, PO Box 614, State College PA 16804-0614



WIRELESS ASSOCIATION OF SOUTH HILLS, INC.

Membership Application/Renewal for 2000



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

(check quarter >>>>)
(check one)

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

(FM1) Family Membership (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: _____

ARRL Member? Yes No Family ARRL Member? Yes No

Signature: _____ Date: _____

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>	Club logo is not currently available on the hats due to size limitations. Contact TLC Embroidery for more information.
Golf Shirts	\$20.00	\$22.00	Prices, availability & available colors subject to change without notice.
Rugby Shirts	\$20.00	\$20.00	
Light Jackets	tba	tba	Use additional sheet(s) if necessary
Lined Jackets	tba	tba	
Hats	\$10.00	\$10.00	

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

Phone: 724 - 484 - 7703

Wireless Association of South Hills, Inc.
www.washarc.org



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

Inside This Issue:

- NCVEC & Code Test Standards
- US Islands Expedition to Herr's Island
- What ever happened to Elmer?
- Hollow State Ramblings!
- Attic Antenna Thoughts!
- PA QSO Party Rules!

All that and more... turn the page & enjoy!



Why is this man smiling? (see Page 3)

Photo courtesy of and ©Copyright 2000 Ron Notarius WN3VAW

Remember: WASH Club Picnic August 27
No Meeting on August 10 — Brief Business
Meeting at the Picnic
Contact N3UE For Directions to the Picnic