



VOLUME 16
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JUNE 2014

WASHRAGTM



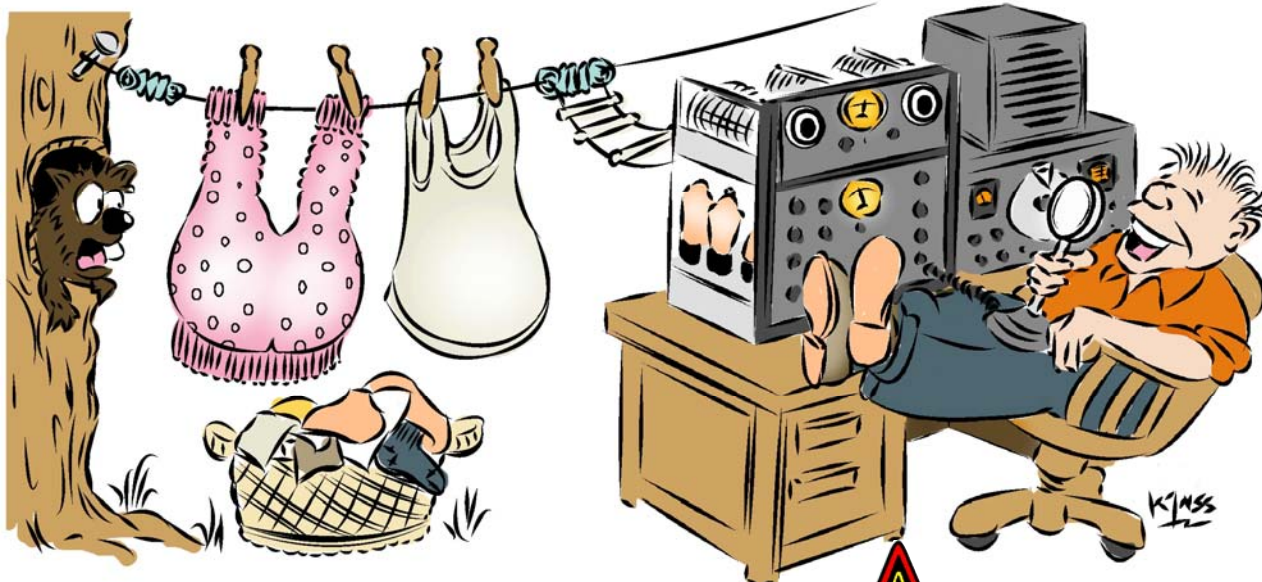
Wireless Association of South Hills



Breezeshooters 2014

Dayton Hamvention 2014





WASHRAG™



VOLUME 16 ISSUE 06

JUNE 2014

Next Monthly Meeting: June 12th, 2014

The next meeting of the [WIRELESS ASSOCIATION OF SOUTH HILLS, INC.](#) will be on **Thursday, June 12th 2014**, at the [Crossroads Ministries Church](#), 88 Walter Long Road off of Library Road/Route 88, Finleyville PA, starting at 7:00 PM.

Field Day 2014, Breezeshooter's Hamfest wrap-up, the K2M special operating event, summer Picnic, the ongoing Arduino & Raspberry Pi Workshop(s), and other plans for the rest of the year will be amongst the topics. See you there!

Cover Photos: What are the two biggest non-operating Amateur Radio events in WPA in the neighborhood of Memorial Day? The Dayton Hamvention before; the Breezeshooter's Hamfest after. More photos from both inside!

Photos courtesy of and © Copyright 2014 Ron Notarius W3WN

WASH 2014 OFFICERS

EXECUTIVE COMMITTEE:

President	Carol Danko KB3GMN
VP / Secretary	Ben Williams KB3ERQ
VP / Treasurer	Mark Stabryla N3RDV

AND WE COULDN'T DO IT WITHOUT:

N3SH Trustee	Larry Comden K3VX
WA3SH Trustee	Rich Danko N3SBF
NP2SH Trustee	Paul Jordan NP2JF
N3SH WA3SH NP2SH/B QSL Manager	Ron Notarius W3WN
NP2SH 2009 QSL Manager	Carl Schroeder K9CS
VE Team Liaison	Ron Notarius W3WN
Webmaster	Sean Sleeman N3NWR
Asst. Webmaster	Ben Williams KB3ERQ
Quartermaster	Harold Rosenberger K3HCR
WASH FM Net Manager	Sean Sleeman N3NWR
WASHFest 2015 Committee	Carol Danko KB3GMN, Chairman
	Bill Hill W3WH, Co-Chair
Activities & Operating Events	Rick Bell KB3IAC
Ways & Means	Carol Danko KB3GMN
WASH 2M Contest Chair	Ron Notarius W3WN
Field Day 2014 Coordinators	Larry Comden K3VX
	Rick Bell KB3IAC

CLUB-AFFILIATED REPEATERS, BEACONS, & DIGIPEATERS:

Mt. Lebanon	N3SH / R	146.955 MHz (-)	PL 131.8
North Side	N3SH / R	442.550 MHz (+)	PL 131.8
Canonsburg	N3FB / R	443.650 MHz (+)	PL 131.8
St. Johns, VI	NP2SH / B	28.276 MHz	Propagation Beacon
Canonsburg	N3SH	144.390 MHz	APRS Digipeater

N3SH / WA3SH WASHNet, the weekly on-air net of WASH, meets every

Sunday Night, 9:00 PM ET, on the 146.955 & 443.650 repeaters.

All radio amateurs, WASH members or not, are welcome to join in!

THE LEGAL STUFF

"The WASHRag™" (formerly **"The Mariner™"**) is the Official Newsletter of the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC. (WASH)**

Published Monthly with occasional Special Editions as warranted.

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Editor & Publisher: Ron Notarius W3WN

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

As always, special thanks to the owners of both the N3SH-W3SRL Repeater System and the N3FB/R Repeater System for permitting the **WIRELESS ASSOCIATION OF SOUTH HILLS, INC.** and it's members to use their repeaters for club purposes.

WASH Amateur Radio Club News Briefs

Next WASH VE Test July 17th

The Next WASH VE exam sessions will be **Thursday**, July 17th, 2014, 7:00 PM, at **WPXI TV Community Room**, 4145 Evergreen Road, Pittsburgh, PA. Talk-in on the 146.955 MHz and 443.650 MHz repeaters. All examiners are ARRL VEC affiliated.

Walk-ins are welcome, although, **pre-registration is preferred** to ensure that we have tests and other materials available for all candidates. If you plan on attending the test session, please contact VE Team Liason Ron Notarius W3WN:

Telephone (412) 572-6723 or E-Mail: w3wn@n3sh.org

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 **\$15.00** (payable to: ARRL VEC)

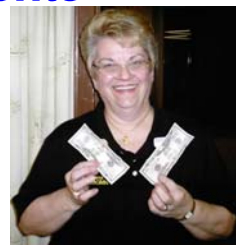
Future test dates: Thursday, July 17th, 2014

Thursday, October 16th, 2014

Location: WPXI TV 11, 7:00 to 9:00 PM

Carol's Comments

It was nice to see everyone who attended the Breezeshooters Hamfest, especially at our picnic. I would like to thank all those who brought a dish, snack, fruit or beverage to be enjoyed by all. I am sure everyone had a nice time.



Which brings me to Field Day on the 28th and 29th of June. It will be held at the Outlook Grove in South Park. I certainly hope you plan on attending some time on Saturday or Sunday to join in with the club to make contacts, enjoy each others company and of course have something good to eat.

From what I understand our Field coordinator's put a lot into this as all our members do. Set up will be in the morning on Saturday, radio's will be connected and the fun will begin. Please remember we will also need people on Sunday to tear down. More info will be discussed at the meeting on June 12th. See you at the meeting. And Happy Father's Day to all.

— 73, Carol Danko KB3GMN
President, Wireless Association of South Hills, Inc.
N3SH / WA3SH / NP2SH/b

Rick KB3IAC is putting together an order for WASH Field Day 2014 T-Shirts. "The imprint will be full size, three color, and have Field Day 2014 in the design."

Minimum order is 12 shirts, and Rick would like to place the order ASAP.

Interested club members should contact Rick ASAP to order shirts.

Cost per shirt will be \$12 for S—XL, \$13 for 2X, \$14 for 3X. Payment is due to Rick at the June meeting.

May 31st started as a very nice WPA late spring morning. With the Breezeshooter's Hamfest only a day away, a lot of people relaxed & slept in, so the monthly gathering of **the WASH Breakfast Gang**, at **Suzie B's**, Route 910 at the intersection of Route 519 at US 19 in Canonsburg, was a little on the light side. This go-around included WB4GCS, KC4WTT, K3VX, N3FB, KB3GMN, W3WN, K3SGT & Barb. Banter included natural gas powered generators, rotating blackouts, how was Dayton? (cool and damp!), what did you buy there, Home Depot reducing flower prices, HDTV channel changes, hail at Dayton, Visiting the USAF Museum at Wright-Patterson AFB, "I didn't know the Huey was so tiny!", visiting museums in DC, getting an iPad, flying to VP2M, weather patterns, and Breezeshooter's.

Our next gathering will be on Saturday, June 28th, on the morning of Field Day. So before heading to South Park to help set up N3SH, come on over to **Suzie B's**, Route 910 at the intersection of Route 519 at 19, Canonsburg. Our "usual" tables will be reserved, but please let Jim WB4GCS know ahead of time

We're a touch squeezed on room, believe it or not... the **late breaking FCC news on page 10** pushed out most of the Hamvention pictures and some other small things. Suffice to say, final **Field Day 2014** plans will be discussed at the June meeting, so if you have any last-minute concerns or other input, please come to the meeting! Additional information will be on the N3SH web site and also check your email on the club reflectors from Rick KB3IAC. Most of our plans are pretty much set; the biggest thing right now is trying to figure out who will be around to operate which stations when. If you haven't already talked to Rick or Larry about when you can be at N3SH FD, please do so as soon as you can so that we can coordinate appropriately. (Ye Editor will be pulling the late shift again, after the Pirate game, but before Little Miss Field Day's birthday party... believe it or not, 18 years ago, she was the little reason he missed FD).

Ever try to think of a way to **explain Amateur Radio to your non-ham friends "in their language?"** Ben KB3ERQ came across this article that might help: <http://dripler.com/updates/share/my-new-favorite-social-network-ham-radio> "Unlike modern social networking sites, ham radio has an inherent emphasis on listening to and understanding other people. It's perfectly acceptable to repeat things back to someone in order to make sure you hearing him or her correctly. It stands in stark contrast to the general snark found on Twitter and the subtle boasting too easily found on Facebook."

The subject of new Club Jackets was brought up to the members that were at Breezeshooters. I had a sample from Amy and everyone liked it. Several said they were interested.

The prices are below. I will need your size and payment before they are ordered. I would like to do this as soon as possible. If you are planning to attend the June meeting we can take care of it then.

If you can't make the meeting and want to mail it to me that would be ok. I would like to order all of them at once. And send in the payment. Amy said it would take 2 to 3 weeks.

— 73, Carol KB3GMN

Prices: S, M, L, XL: \$40

2X, 3X: \$45

4X, 5X: \$50



WASHNet 2014 NCS Schedule

06/01/2014	Bob AB3ED	08/10/2014	Carol KB3GMN
06/08/2014	Harold K3HCR	08/17/2014	Fred KB3DCO
06/15/2014	Sean N3NWR	08/24/2014	tba
06/22/2014	Carol KB3GMN	08/31/2014	tba
06/29/2014	Fred KB3DCO	09/07/2014	tba
07/06/2014	Glen KE7FD	09/14/2014	tba
07/13/2014	Larry K3VX	09/21/2014	tba
07/20/2014	Bob AB3ED	09/28/2014	tba
07/27/2014	Harold K3HCR	10/05/2014	tba
08/03/2014	Sean N3NWR	10/12/2014	tba

Join WASH or Renew your Membership for 2014 Today! Membership Application on Page 15!

Minutes, May 15th Meeting

Ben Williams KB3ERQ, Vice President / Secretary, **WASH**

Carol KB3GMN called the meeting to order at 19:08 hours. There were 21 members and guests in attendance.

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

Motion to waive reading of the minutes based on the minutes printed in the newsletter by Rick KB3IAC, second by Glen KE7FD, passed unanimously.

Committee reports:

Treasurer (N3RDV): A balance on the bank account was read & accepted. Insurance payment will be made shortly.

Secretary (KB3ERQ): No report

VE (W3WN): No report

Repeaters (N3FB): Repeating.

WASHNet (KE7FD): No report. Glen is officially in charge of the net again, as Sean has relinquished those duties. Carol noted that Sean had an interesting question when he recently performed NCS duties: "What is your favorite part of the Amateur Radio Hobby?" This is a good example of how the Net can be made more engaging.

Contests (K3VX): Newsletter calendar shows most upcoming contests. ARRL June VHF contest 2 weeks before Field Day. Bill W3WH will be operating as K2M in the 13 Colonies Special Event again this year.

WASHFest 2015 (KB3GMN, W3WH): The 2015 hamfest will be the 20th anniversary!

Field Day 2014 (K3VX, KB3IAC):

- (Larry) There has been lots of discussion about doing a QRP Field Day this year to be more in alignment with the emergency readiness goals of FD. We are going to aim for 100% battery operation this year.
- One proposal was to do SSB on high power & everything else on low power. Bill W3WH asked for a vote on this proposal and it was accepted by the membership.
- Bill & Larry were at the FD site and said there should be no problem finding trees for putting up antennas; we might try to put up a beam.
- Interesting FD factoid: 12% of FD submitted logs are QRP.
- Bill W3WH made a motion that we budget \$300 for food. Second by Ron W3WN. Motion carried unanimously.
- A quick survey was taken of what equipment will be brought to FD:
 - Bill W3WH: Omni VI and KX3
 - Rick KB3IAC: FT-847 & FT-1000 with solar panels & a charge controller
 - Fred KB3DCO: FT-817
 - Glen KE7FD: FT-857
- Club antennas include the Butternut HF6V, a fan dipole, G5RV, 80 & 40 dipole, 2 M / 70 cm beam, 6 meter beam
- Club has 3 sets of band pass filters (as per W3WH)
- Rick KB3IAC will try to get some donations for coax from a vendor with whom he makes large volume purchases.

Public Service (N3RDV): No report.

Ways & Means (KB3GMN): 50/50 tonight... 'show me the money!'

Newsletter (W3WN): Out.

President's Report (KB3GMN): Flea market tables at Breezeshooters cost \$10 for 1, each additional \$5. WASH members are getting some, and there will be space for anyone who needs it. See Ron W3WN to coordinate.

Club voted to purchase \$60 to purchase prize tickets in support of the Breezeshooters.

Old Business: Bylaws committee report that work is slated to be completed by the end of the year.

New Business: None

Good of the order: Free QST's are available at the meeting table tonight.

Motion to Adjourn by Larry K3VX, second by Bill W3WH and carried.

Meeting adjourned at 20:10 hours.



WASH Spotlight: WB4APR



Anyone "into" APRS knows this call... his hybrid electric vehicle was spotted in the Flea Market at Dayton 2014. (Hope there was enough sun to recharge the car!) Photo courtesy of & © Copyright 2014 Ron Notarius W3WN

Every month we're going to feature a **WASH** club member, something about them, something they're involved in or a club-related activity that we're involved in, in the **WASH Spotlight**. Submissions for the Spotlight should be sent to Ron W3WN at [newsletter at n3sh dot org](mailto:newsletter@n3sh.org)

Monthly WASH Breakfast

Please join us for the next **WASH** Breakfast! We usually get together on the LAST Saturday of every month for a chance to informally sit down, shoot the breeze, compare notes, drink lots of coffee, and just have a good time!



Join us this month at **Suzy B's**, Route 910 at the intersection of Route 519 at US 19, 1 mile North of Downtown Canonsburg. Start time is about 8 AM until ????. Monitor 146.955 & 443.650 for talk-in or any last minute changes. All are welcome, **WASH** members or not, amateurs or not!

Wireless Association of South Hills Membership

AB3ED	KB3GMU	N3OVO	WASH FL	WASH OH	Silent Keys
AB3EN	KB3IAC	N3RDV	KA3UPY/M	N8DPW	
AB3NM	KB3IVX	N3RHT	W4ZE	WASH SC	AB3KA
AB3PJ	KB3JHR	N3SBF	WASH GA	N3RNK	K3EED
AC4KU	KB3PSB	W3LE	K3OL	WASH TN	K3LIE
AE3DL	KB3YCX	W3RWS	KB3IJX	KE3XB	KA3NMG
KØLIN	KB3YKL	W3VFA0	WASH ID	N3YPB	KB3ENX
K3AIR	KC3ANX	W3WH	N3ZNI	WASH TX	KB3FNM
K3GW	KC3BQI	W3WN	WASH NE	K3LGM	KB3FQT
K3HCR	KC4WTT	W4CKR	NØPEU	Jane Wagner	N3FZ
K3LGM	KE7FD	WB4GCS	WASH OR	WASH VI	N3HKQ
K3SGT	KJ3D	Darryn Sleeman	NØVLR	NP2JF	N3KEH
K3VX	N1NCZ		NØWPV		N3OBD
KA3ANU	N2QIV		KB3NVL		N3SKR
KA3RXY	N3BPB		KB3NVM		N3SRC
KB3DCO	N3DFK				N3ZEL
KB3ERQ	N3FB				N3XFE
KB3GMN	N3IDH				W3ZLK
KB3GMP	N3NWR				WA3JPP

If your call should be listed here & isn't, please contact Mark N3RDV

Through June 6th, 2014
List compiled by
Mark Stabryla N3RDV, Vice President/Treasurer

2014 WASH Upcoming Events Calendar

Meeting Topics & Other Significant Club Events — Subject to Change

June 1 st	Breezeshooter's Hamfest	http://www.breezeshooters.net
June 1 st	WASH Picnic @ Breezeshooters	http://www.n3sh.org
June 12 th	WASH Meeting	@ Crossroad Ministries Church
June 14 th	ARRL WPA EMCOMM Conference	http://wpaares.org
June 14 th —16 th	ARRL June VHF Contest	http://www.arrl.org
June 21 st	Mon County ARC Hamfest	http://www.qsl.net/k8mcr
June 28 th - 29 th	ARRL Field Day	http://www.arrl.org
July 10 th	WASH Meeting	@ Crossroad Ministries Church
July 17 th	WASH VE Exams	Community Room, WPXI—TV 11
July 19 th	North Hills ARC Hamfest	http://www.nharc.org
July 19 th —20 th	Pittsburgh Vintage Grand Prix	http://www.pvgp.org
July 20 th	Somerset County ARC Hamfest	http://www.k3smt.org/hamfest/
July 20 th	WPRC Meeting, Punxsutawney	http://www.wprcinfo.org
August 14 th	WASH Meeting	@ Crossroad Ministries Church
August 24 th	Skyview RS Swap'n'Shop	http://www.skyviewradio.net/
September 7 th	BCARA Swapfest 2014	http://www.w3udx.org/Hamfest.htm
September 13 th -15 th	ARRL September VHF Contest	http://www.arrl.org
October 9 th	WASH Meeting	@ Crossroad Ministries Church
October 11 th -12 th	Pennsylvania QSO Party	http://www.nittany-arc.net/PAQSO.html
October 16 th	WASH VE Exams	Community Room, WPXI—TV 11
October 19 th	WPRC Meeting, Altoona	http://www.wprcinfo.org
November 1 st -3 rd	ARRL Sweepstakes CW	http://www.arrl.org
November 2 nd	WACOM 2014 Hamfest	http://wacomarc.org
November 13 th	WASH Meeting	@ Crossroad Ministries Church
November 15 th -17 th	ARRL Sweepstakes SSB	http://www.arrl.org

2014 Breezeshooter's Hamfest

Photos courtesy of & © Copyright 2014 Ron Notarius W3WN



2014 Breezeshooter's Hamfest

Photos courtesy of & © Copyright 2014 Ron Notarius W3WN



Ten-Tec, Alpha Amplifiers Merge

RF Concepts, Inc.

LONGMONT, CO. May 9th, 2014 - Announcing today the merger of Longmont, Colorado -based RF Concepts LLC / Alpha Amplifiers and Sevierville, Tenn.-based TEN-TEC Inc., RF Concepts Chairman Michael Seedman, AA6DY, declared the union the perfect combination of amateur radio brands. The merger creates a multi-million-dollar company with products that span QRP transceivers to full-legal-limit amplifiers and establishes an organization with the size and scale to continue to innovate into the next decade and beyond.

RF Concepts/Alpha Amplifiers has been building amplifiers continuously since the early 1970s and has put more than 13,000 amplifiers in the hands of demanding amateur radio operators. Alpha Amplifiers are considered "the finest line of linear amplifiers in the world" by the ham community. TEN-TEC, founded in 1968, produces top-of-the-line receivers, transceivers, amplifiers and tuners and is known worldwide for the reliability and performance of its products.

"For more than 40 years, Alpha Amplifiers and TEN-TEC have shared a reputation in the amateur radio market for offering exceptionally well-engineered, American-made products backed by extraordinary customer service," said Seedman. "Alpha Amplifiers is known for 'key down performance,' and TEN-TEC is known for pushing the boundaries of transceiver performance and capabilities.

"The merger of these brands under the RF Concepts banner makes perfect sense," added Seedman, "not only in terms of creating a powerful product line, but also in terms of positioning our company for the future. This merger more than doubles the size of our business allowing us to invest more capital in innovative engineering and customer-driven product development."

RF Concepts' operations will now be shared between its Longmont Colorado facility and its Sevierville Tennessee facility. The company is currently seeking a new operations facility in the Sevierville area to more efficiently house factory operations, part of the engineering resources, and technical and customer support services. The Colorado facility will house engineering resources, technical and customer support services, and much of the front-office operations.

Both Jim Wharton, NO4A, who in January of this year took the reins of TEN-TEC upon the retirement of founder Jack Burchfield, K4JU and Ken Long, N0QO, who has been overseeing the operations at Alpha Amplifiers will be Presidents of their respective group, working together to build a strong, innovative company.

"Ken and I have spent quite a bit of time discussing our short- and long-term focus over the last few weeks and I feel our responsibilities are very clearly defined.", said Wharton.

"Jim and I have a lot of work to do to make sure the merging of these two brands goes as smoothly as possible." added Long.



Ten-Tec Introduces the Patriot

Ten-Tec

Ten-Tec introduced a new open source QRP rig, the 507 Patriot, at the 2014 Dayton Hamvention.

Like the 506 Rebel introduced last year, the Patriot is a 2 band (40 & 20) rig, based on the ChipKit Uno32 Arduino processor & development platform. It has several technical improvements over the Rebel, including SSB.

The Patriot will be available in August. The cost is reported to be \$399.

More information will be available at the Ten-Tec web site.



Above: Top & Rear views of the Patriot.

Right: The Patriot & the Rebel as seen at the Ten-Tec booth at Hamvention 2014



WACOM @ Hamvention 2014! Photos courtesy of & © Copyright 2014 Ron Notarius W3WN

K2M/W3WH: Original 13 Colonies Special Event 2014

Bill Hill W3WH



Last year was our first effort with the annual 13 Colonies Special Event. By all measures, I believe we were successful with the grand total of 2000 QSO's (over 40% of all 2013 K2M QSO's).

This year the event organizers are hoping to reach 100,000 total QSO's, up from about 80,000 last year. This means that if we were going to participate we have to reach for the next level.

In thinking about this I've concluded that the best way to improve our QSO count would be for people to operate from their home QTH if they are able. I certainly will be participating from here but I hope that operating from your own QTH will not only help us accumulate more contacts but will make it more fun for you.

The event begins Tuesday morning, July 1st, at 9 AM and runs through midnight on July 6th. I'm going to compile an operating schedule based on three time periods each day. They are morning, afternoon and evening.

Since Larry Ron and I are probably the only serious CW operators, the published schedule will be limited to phone and or digital modes.

Please think about whether you're interested and if so when you would be able to operate and let me know what bands you have capability on. Like field day, 40 Meters is probably the most popular band, followed by 20 Meters.

If you would like to operate from my QTH please let me know. This is a great opportunity for people who are new and inexperienced or don't have their home shack quite together yet to operate a fun event. Also, of course, if your license limits you your HF privileges please come over to my QTH and operate since I can be the control operator and you can be the guy having fun.

Thanks in advance for your help! I'm looking forward to another great week!

More information on the 6th Annual Original 13 Colonies Special Event can be found at <http://www.13colonies.info/>

"I Want YOU"... as a 2014 K2M Operator



All members of the [WIRELESS ASSOCIATION OF SOUTH HILLS](#), as well as other interested Amateur Radio operators in South Western PA, are invited to help operate the K2M/W3WH portion of the Original 13 Colonies Special Event.

Schedule of available time slots and a request form will be available on the N3SH web site after Father's Day. Those assigned time slots may operate "solo" or invite other Amateurs to help them operate their station during their slot.

All operators will be requested to monitor the N3SH and N3FB repeaters while operating, to coordinate with others on adjacent bands or modes. Logging software to be determined; logs will be consolidated after the event by W3WN.

Please note that although all requests will be considered, final decision on assignments will be made by Bill Hill W3WH, as he is ultimately responsible for the K2M operation..

Amateur Radio Operators Needed for the 2014 Pittsburgh Vintage Grand Prix



The Pittsburgh Vintage Grand Prix is seeking Amateur Radio operators to work the Flag & Safety corners, and provide race communications for the 2014 PVGP events.

This year, Amateur Radio Operators are needed for these race weekends:

The Historic Race Weekend on July 12th - 13th, at Pitt Race (formerly BeaverRun Motorsports Complex) in Beaver Falls, featuring Muscle Cars & European Racers from the 60's & 70's,



The Vintage Race Weekend on July 19th & 20th, in Schenley Park in the Oakland section of Pittsburgh, featuring sports cars from the early days of automobiles through the 1950's.

For More Information or to Volunteer, please call Corky Bennet N3MJP at (724) 217-5458



FCC OK's Changes to Amateur Radio Exam Credit, Test Administration, Emission Type Rules

American Radio Relay League

In a wide-ranging *Report and Order (R&O)* released June 9th that takes various proceedings into consideration, the FCC has revised the Amateur Service Part 97 rules to [grant credit for written examination elements 3 \(General\) and 4 \(Amateur Extra\) to holders of "expired licenses that required passage of those elements."](#) The FCC will require former licensees — those falling outside the 2-year grace period — to pass Element 2 (Technician) in order to be relicensed, however. The Commission declined to give examination credit to the holder of an expired *Certificate of Successful Completion of Examination (CSCE)* or to extend its validity to the holder's lifetime.

"Our decision to grant credit for written examination Elements 3 and 4 for expired licenses that required passage [of those elements] will provide some relief for former General, Advanced, and Amateur Extra class licensees," the FCC said, "and is consistent with how we treat expired pre-1987 Technician class licensees who want to reenter the Amateur Service." Pre-1987 Techs can get Element 3 credit, since the Technician and General class written examinations in that era were identical. The Commission said current rules and procedures that apply to expired pre-1987 Technician licenses "are sufficient to verify that an individual is a former licensee under our new rules."

The Commission said that requiring applicants holding expired licenses to pass Element 2 in order to relicense "will address commenters' concerns about lost proficiency and knowledge, because a former licensee will have to demonstrate that he or she has retained knowledge of technical and regulatory matters." The FCC said the Element 2 requirement also would deter any attempts by someone with the same name as a former licensee to obtain a ham ticket without examination.

In 1997 the FCC, in the face of opposition, dropped a proposal that would have generally allowed examination element credit for expired amateur operator licenses. In the past, the FCC has maintained that its procedures "provide ample notification and opportunity for license renewal" and that retesting did not impose an unreasonable burden. The issue arose again in 2011, with a request from the Anchorage Volunteer Examiner Coordinator.

[The FCC pulled back from its own proposal to reduce from three to two the minimum number of volunteer examiners required to proctor an Amateur Radio examination session.](#) The ARRL, the W5YI-VEC and "a clear majority of commenters" opposed the change, the FCC said. The FCC said it found commenters' arguments persuasive that the use of three VEs "results in higher accuracy and lower fraud that would be the case with two VEs." [In a related matter, though, the Commission embraced the use of remote testing methods.](#)

"Allowing VEs and VECs the option of administering examinations at locations remote from the VEs is warranted," the FCC said. The National Conference of Volunteer Examiner Coordinators (NCVEC) in 2002 endorsed experimental use of videoconferencing technology to conduct Amateur Radio testing in remote areas of Alaska. The Anchorage VEC has long pushed for the change, citing the expense to provide Amateur Radio test sessions to Alaska residents living in remote areas.

[The FCC declined to address "the mechanics" of remote testing,](#) which, it said, "will vary from location to location and session to session." The Commission said specific rules spelling out how to administer exam sessions remotely "could limit the flexibility of VEs and VECs." The FCC stressed the obligation on the part of VECs and VEs "to administer examinations responsibly" applies "in full" to remote testing.

[The FCC amended the rules to provide that VEs administering examinations remotely be required to grade such examinations "at the earliest practical opportunity,"](#) rather than "immediately," as the rule for conventional exam sessions requires.

[Finally, the FCC has adopted an ARRL proposal to authorize certain Time Division Multiple Access \(TDMA\) emissions in the Amateur Service.](#) The Wireless Telecommunications Bureau in 2013 granted an ARRL request for a temporary blanket waiver to permit radio amateurs to transmit emissions with designators FXD, FXE, and F7E, pending resolution of the rulemaking petition.

"Commenters strongly support amendment of the rules to permit these additional emission types," the FCC noted. "The commenters assert that the proposed rule change 'is consistent with the basis and purpose of the Amateur Service,'" and will allow repurposing surplus mobile relay equipment from other radio services in the Amateur Service, the Commission added.

The FCC said it also will make "certain minor, non-substantive amendments to the Amateur Service rules." It is amending Part 97 "to reflect that the Commission amended its rules to eliminate the requirement that certain Amateur Radio Service licensees pass a Morse code examination," the FCC said in the *R&O*. It also said it was correcting "certain typographical or other errors" in Part 97.

The new rules become effective 30 days after their publication in *The Federal Register*, which is expected to happen this week.

The FCC has [terminated](#) a longstanding proceeding involving the 902-928 MHz (33 centimeter) band. In 2006, the FCC, in WT Docket 06-49, proposed rule changes to encourage development of the Multilateration Location Monitoring Service (M-LMS) — a terrestrial service for location of objects and tracking. Amateur Radio is secondary in the band to federal radiolocation systems, industrial, scientific and medical devices, federal fixed and mobile systems, and the M-LMS. This week, the FCC, with little fanfare, concluded that proceeding.

"Based on the record before us, and on recent developments pertaining to M-LMS operations in the 902-928 MHz band, we conclude that the various proposals for wholesale revisions of the applicable rules do not merit further consideration at this time," the FCC said.

Commenting on the 2006 proposal, the ARRL expressed concern about increasing noise levels in the band. "This 'kitchen sink' of allocations is acceptable from ARRL's perspective, provided that the noise floor is regulated, in terms of aggregate noise levels from unlicensed devices," the League said. "The high power levels permitted in this band in particular bear careful watching, lest the allocated radio services, including federal systems, suffer decreased utility of the band."

After the FCC last June gave consent to Progeny LMS to begin commercial operation of its M-LMS in the upper portion of the 902-928 MHz band, the ARRL worried that a portion of the band could become less useful to radio amateurs in urban areas. "Progeny is deploying a wide-area positioning system to provide more precise location services in areas where Global Positioning System (GPS) and other existing services may not work effectively, particularly indoors and in urban canyons," the FCC explained at the time. Progeny's location service is designed to operate on approximately 4 megahertz — about one-half of the M-LMS portions of the band between 919.750 and 927.750 MHz — where Progeny holds licenses.

While M-LMS operations, at least on paper, have a higher priority than unlicensed Part 15 devices on the band, Progeny had to demonstrate through field testing that its network would not cause "unacceptable levels of interference" to such Part 15 devices as cordless telephones and baby monitors. This was a result of an FCC policy to promote "co-existence" in the band, while not elevating Part 15 devices to co-equal status with M-LMS systems.

In his June 2012 "[It Seems to Us...](#)" editorial in *QST*, ARRL CEO David Sumner, K1ZZ, pointed out that effectively setting unlicensed services such as Part 15 at a higher priority than licensed services "is the reverse of the usual situation in which Part 15 devices are at the bottom of the pecking order." Federal (military) radiolocation and ISM Part 18 devices are at the top of the 902-928 MHz food chain. Sumner predicted that operations such as Progeny's "will pose some new challenges for amateurs in a band that is already impacted by other users."

The latest FCC action will not affect Progeny's M-LMS deployment. In terminating the 2006 proceeding, the Commission said it had concluded that Progeny could commence commercial M-LMS operations "within the framework that the Commission initially had established to promote the co-existence of M-LMS operations and unlicensed operations in the band."

Challenge to Ohio Antenna Law May Be Over

Delara News, Delaware (OH) Amateur Radio Association, courtesy of [the American Radio Relay League](#)

In a surprise move, the [Ohio Sixth District Court of Appeals](#) has dismissed an appeal from the Village of Swanton, Ohio, in an Amateur Radio antenna zoning case. The ARRL had [announced](#) plans to file a "friend of the court" or *amicus curiae* brief on behalf of ARRL Life Member Gary Wodtke, WW8N, who has been trying since 2009 to erect a 60 foot antenna support structure on his 0.2 acre residential lot. It now appears that he will be able to do so. The Village of Swanton, Ohio, has established a fixed antenna height of 20 feet above the residential roofline, and it turned down Wodtke's antenna variance application for the taller structure. On appeal, Wodtke in January won a final judgment in his favor in the Fulton County Common Pleas Court. The court ruled that federal and state law preempted Swanton's antenna ordinance.

The Appeals Court [ruling](#) on April 3 was based on the fact that the trial court decision the Village could have appealed was issued on August 20, 2013, while the judgment that the Village attempted to appeal was issued on January 21, 2014. Since the August 20 trial court decision was a final order, the Village was required to file its appeal within 30 days, and it never did so, thus losing its right to appeal. The ruling means that the August 20 trial court decision stands, and Wodtke wins the right to erect the tower for which he applied.

The award of attorney fees appears to be at the center of confusion on both sides of the case. The trial court's decision last August 20 decision awarded attorney fees to Wodtke. Because attorney fees had not yet been determined, both sides considered the decision as not yet final. But, while Wodtke's attorney had sought attorney fees in his original complaint, the amended complaint that the trial court ruled upon last summer included no such request.

The Court of Appeals said that, ordinarily, when attorney fees are requested in a complaint but not yet ruled upon, the order disposing of the rest of the case is not final and appealable, but the court pointed out that a claim for attorney fees was not pending once court entered its August 20 judgment. "Therefore, the order was final and appealable on August 20, 2013," the court said.

The Court of Appeals also noted that, although both sides had filed for reconsideration of the August 20 decision, neither of those motions nor the trial court's January 21 decision had the effect of extending the appeal deadline. In the words of the Court of Appeals, "It is well settled that a motion to reconsider does not stay the time to file a notice of appeal."

The Court of Appeals' April 3 decision could yet be reviewed by the Ohio Supreme Court, but only if the Village had filed a timely *Memorandum in Support of Jurisdiction* to convince the high court to hear the appeal.

Ohio Section State Government Liaison Nick Pittner, K8NAP, believes the Appeals Court decision in Wodtke v Village of Swanton could set legal precedent for similar antenna-related cases down the road. An attorney, Pittner was instrumental in getting Ohio's PRB-1 law enacted. "The Ohio Municipal League seems intent on challenging [the PRB-1 law] in court, and will likely try to do so in some other case if the challenge is not available in this one," Pittner said. "We're keeping the research files open."



The next [Kids Day](#) is Saturday, June 21st. Sponsored by the Boring (Oregon) Amateur Radio Club, Kids Day is the perfect way to introduce a young person to the magic of Amateur Radio by getting them on the air!

Open your doors, offer some hot dogs or pizza, and let the "little folks" take the Big Chair. Let them find stations they hear or work on a map, color in a map of states worked, or help them build something.

Kids Day takes place in January and June of each year, offering an opportunity for veteran hams to promote Amateur Radio to our youth. Share the excitement with your own youngsters or grandchildren — or even with kids in the neighborhood. Take time to pass along the excitement of Amateur Radio to youngsters who could represent its future.

[More information](#), along with a free participation certificate you can fill out and print yourself, is available on the ARRL website.



"Seen" at Hamvention 2014

Photos courtesy of & © Copyright 2014 Ron Notarius W3WN



Remember the Novice?

American Radio Relay League

For many years, there had been talk about creating an entry-level ham license, first between the ARRL and the FCC, and later within the amateur community. Many who wanted to become hams viewed the 13 WPM Morse code test as an insurmountable obstacle. After much deliberation, the FCC decided to create a new "Novice" license class. The Commission began issuing Novice tickets on July 1, 1951.

In those early years, Novice licensees were allowed to operate CW on sub-bands in 80, 11 (yes, 11!), and 2 meters, and AM voice on a segment of 2 meters. Novices were restricted to crystal-controlled operation at an input power of 75 W.

Novice applicants had to pass a 5 WPM code test -- both sending and receiving. At first, the receiving test was made up of only 5-character words, making it an ever easier test. Early examinations consisted of 25 multiple-choice questions; the FCC would mail the test materials in a sealed envelope, and a local General or higher class licensee would administer the written and code exams to the applicant.

A lot of early Novices built their own gear. The 1952 edition of The ARRL Handbook included instructions on how to build this one-tube, crystal-controlled transmitter for the Novice.

The original Novice license had a 1-year, nonrenewable term, since it was anticipated that Novices could get their code speed up to 13 WPM and acquire the technical knowledge required to pass the General exam within that period. Earlier Novice call signs included an "N" after the W or K prefix. Upgrading to General often was referred to as "dropping the N." Later Novice designators included a "V" after the prefix, which became an "A" after the holder upgraded. The FCC eventually did away with special Novice call signs altogether.

One amusing aspect of that early Novice 80 meter operation: World War II crystals were abundant and inexpensive. Wartime military operation had been channelized, mostly using crystal control, and one surplus crystal frequency fell within the 80 meter Novice band -- 3735 kHz. As you tuned across the 80 meter Novice band back then, it sounded like a full-blown DX pileup, 24 hours a day, when you reached 3735 kHz (known in that era as "kc").

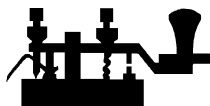
In later years Novice licenses were issued for 2-year non-renewable terms, and later still for 5-year renewable terms. More questions were added to the written exam. Other sub-bands were opened for Novices on 40 and 15 meters, 2 meter Novice operation was eliminated, and 11 meters was turned over to the Citizens Band. The FCC eventually allowed Novices to use VFOs.

On April 15, 2000, the FCC stopped issuing the Novice license. The Novice era had come to a close. A small number of Novices remain, but most upgraded long ago.

The aim of the Novice license had been accomplished: Opening access for more people to become part of the Amateur



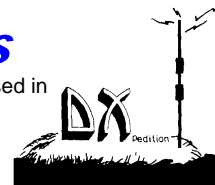
Silent Keys



Fay N. Frankenberry KA3VOM, 77, Eighty Four, PA, June 4th 2014

DX News Briefs

Husband & wife team of **E41WT** & **E41MT** were licensed in May and plan to be QRV "soon" from Gaza. QSL via KB9GSY. -- DX World



ZL1GWE is QRV as **5W0JM** through 23 June. Operation on 40 -- 10, CW & SSB. QSL via ZL1GWE -- ZL1GWE

K9EL is QRV as **FS/K9EL** through 27 June. Operation on 160 -- 10. QSL via K9EL. Twitter updates at <https://twitter.com/FSK9EL> -- K9EL

Look for **OH0/IW5ELA** 19 -- 16 June, 40 -- 10, CW. QSL via IW5ELA

OH0/OH4SS will be QRV 28 -30 June, 40 & 17 SSB planned. QSL via OH4SS -- OH4SS

RM2A will be QRV as **3D2ML** from Fiji in July. He'll be on Beachcomber Is OC-121 1 & 2 July, Nanuya Balavu Is OC-156 8 -- 13 July, and Viti Levu Is OC-016 13 July. He also plans to be QRV as **5W0ML** 3 -- 7 July. QSL via RM2A -- RM2A

E51QBV will be QRV 8 -21 July, all bands. QSL via K2QBV -- K2QBV

OX/DB5MH will be a "charity DXpedition" 25 -- 30 July. More information at http://www.xn--alleindurchgrnland-p3b.de/wdp/?page_id=48 -- DX World

5H1NE should be QRV 22 July -6 August, HF, SSB only. QSL via IK2DUW

A team of Japanese operators plan to activate **VK9EC** Cocos Keeling 29 July -- 2 August, followed by **VK9EX** Christmas Island 2 -- 8 August. QRV on multiple modes 160 -- 6. QSL via JF3PLF. More information at <http://vk9.nobody.jp/index.html> -- DX World

TK5JJ is currently QRV. Jean-Jacques should be back on Wallis Is as **FW5JJ** in September. QSL via F5RXL -- DX World

Members of the XR0ZR team are planning to activate Kanton Island as **T31R** sometime in November. More information at <http://www.qrz.com/db/T31R> or <http://www.dxfamily.com> -- DX World

F3CJ will be QRV as **9N7CJ** 23 Sept -- 4 Nov. Operation primarily on 17 & 20 meters. More information at <http://f3cinepal.wordpress.com/> -- F3CJ

FK8IK will be sailing in November. Look for him as **TX5C** from OC-176 Chesterfield 5 -- 9 Nov, **TX5E** from OC-058 De'Entrecasteaux Reefs from 14 -- 17 Nov, and **TX5B** from OC-079 Belep Islands. While sailing between the islands, he will be **FK8IK/MM**. Activity on 40 -- 10, CW & SSB. -- DX World

DF2WO will again be QRV "holiday style" as **XT2AW** 17 November -- 2 December. He will then be QRV as **D44TWO** 12 December -- 8 January, HF, CW & SSB. QSL via M0OXO -- DF2WO

JA1XGI will be QRV as **E6XG** 1 -- 6 December. He will focus on EU & the low bands. QSL via JA1XGI -- DX World

QSL Routes

4V1JR via W3HNK -- JA1HGY
5J0R via EA5RM -- EA5RM
5W8A via ZL3CW -- ZL3CW
7QNL via PA1AW -- PA3FYM
7Z1SJ via EA7FTR -- W2IRT
9M2MI via 9M2YOT -- KB8NW
CN2AA via UA2FM -- CN2AA
FT5ZM via N2OO -- K0IR
H92G via HP2BWJ -- KB8NW
J34J via JA1HGY -- J34J
LX7I via LX2A -- LX2A
MX0LDG via M0URX -- KB8NW
P49Y via AE6Y -- AE6Y
PJ4H via DK7AN -- JA1HGY
PJ6A via N4NX -- PJ6A
PJ7AA via AA9A -- PJ7AA

S9TF via IK5CRH -- JA1HGY
T30BN via VK4FW -- KG4W
TN2MS via PA3AWW -- TN2MS
TX6G via G3TXF -- TX6G
UH3E via UA9TF -- WL7E
V21ZG via DL7AFS -- JA1HGY
V44KAI via W5TFW -- W5TFW
V6T via JH1NBN -- W3AWU
VK9MT via M0URX -- KB8NW
V73DL via DJ2EH -- JA1HGY
VU7AG via W4VKU -- LU2EMH
W8A via ZL3CW -- LU2DKN
XZ1J via JH1AJT -- W4DN
ZD8Z via A14U -- N6TJ
ZF2AW via W5UE -- W5UE
ZF35LC via W2SM -- JA1HGY

Thanks to the NJDXA DX News & DX Chat Reflectors, the DX-QSL Reflector, 425 DX News, OPDX News, DX World.Net, ICPO Bulletin, & ARRL DX Bulletin for our DX News information. Thanks also to Bill Moore NC1L / ARRL DXCC Desk, & Bernie McClenny W3UR / The Daily DX for confirmations & additional information.



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Antenna Zoning or PRB-1 Issues?

Contact: **Michael S. Lazaroff K3AIR, Esquire**

Murrin, Taylor, Flach, Gallagher & May

110 East Diamond Street, Butler PA 16001

Phone: 724-282-3141 mlazaroff@murrinlaw.com

The **WASHRag** Masthead is courtesy of Jeff Murray K1NSS creator of DASHToons & Dash the Dog Faced Ham!!

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King of Spain Juan Carlos de Borbón EAØJC, announced June 2nd that he will abdicate his throne after 39 years in favor of his son, Crown Prince Felipe. The king turned 76 in January, and his reign has been troubled by a series of recent scandals that have harmed his popularity and put pressure upon him to abdicate.

Prince Felipe, a former Olympic yachtsman, is the father of two daughters. He's married to Letizia Ortiz, a former TV news anchor. In addition to Spanish, he is fluent in English, French, and Catalan and studied in Canada for a year. He holds a degree in law and has earned a master's in international relations from Georgetown University.

King Juan Carlos ascended the throne upon the death of dictator Francisco Franco in 1975, winning the respect of his subjects by guiding the country into an era of democratic rule.

Cuba's Ministry of Communications has begun issuing license endorsements for experimental operation on 60 meters, but US stations that stick to the five allocated channels won't hear them. Pavel Milanec Costa, CO7WT, in Camagüey, reported earlier this year that the Ministry was authorizing use of the band on a secondary basis, but its principal use will be during emergencies.

Cuban hams who are granted an endorsement will be allowed to transmit between 5418 and 5430 kHz, on CW, SSB, and PSK-31, and they may only contact other Cuban stations; no international contacts are allowed. Since the 12 kHz Cuban allocation does not coincide with the five channels that US hams are permitted to use, no inadvertent encounters between US and Cuban hams should occur. Maximum allowed power output is 50 W (or 10 W for Novice operators), and up to 100 W may be authorized in emergencies. Milanec Costa said that Cuban hams would appreciate listener reports.

FCC FCC News

Courtesy of the American Radio Relay League

Newington, CT, June 2nd, 2014 — The FCC Enforcement Bureau has [made public](#) several warning notices issued over the past few months to radio amateurs. A couple of the letters from Special Counsel Laura Smith involved alleged infractions on 20 meters. On April 15, the FCC wrote Larry S. King, K18NGS, of Owosso, Michigan, regarding failure to properly follow station identification rules on March 21. Smith told King that he was monitored by staffers at the FCC High Frequency Direction Finding Center (HFDFC) "operating your Amateur Radio on 14.313 MHz for 20 minutes without identifying in a timely manner." Smith said the HFDFC used direction-finding equipment to confirm that the transmissions were coming from his location. She said the Center recorded the transmissions.

"This incident constitutes a failure to properly transmit your assigned call sign, in violation of the Commission's rules," Smith wrote. "Your operation as described is contrary to the basis and purpose of the Amateur Radio Service, as set out in Section 97.1 and is a violation of Section 97.11(a) of the Commission's rules."

On March 31, Smith sent a warning notice to Daniel G. Churovich, N9RSY, of Ripley, Tennessee, alleging that Churovich engaged in an extended communication on 14.313 MHz with a station that may not have been operating in the Amateur Service.

"On Friday, March 28, 2014, you were heard by staff at the Commission's High Frequency Direction Finding (HFDF) Center communicating repeatedly on 14.313 MHz with an individual who you identify only as 'cowboy,'" Smith wrote. "This individual failed to provide his call sign during your conversation, a fact that you were aware of as you repeatedly demanded that he provide his name, call sign, and location. Despite being aware of the rule violation on the part of this other individual, you continued communicating with him for an extended period of time."

Smith told Churovich that the incident constituted "unauthorized transmissions" in violation of Commission rules that permit radio amateur to engage in two-way communications with "other stations in the Amateur Service."

"There is no evidence that the individual with whom you were communicating with on March 28 was an Amateur Radio operator, as he failed to provide his call sign as required by Commission rules," Smith pointed out.

Smith also wrote Amateur Radio licensees in Tennessee, Michigan, and Wisconsin on March 31, alleging that they all had failed to comply with formal written requests not to use local repeater systems. Smith advised four licensees that the FCC expected them to "abide by the request of the trustee and/or control operator that you stay off [the repeater] — and any other similar requests to cease operations on any other repeaters by any other repeater licensees, control operators or trustees."

Smith advised all recipients that any recurrence of the alleged violation after receipt of the warning letter could subject them to "severe penalties, including license revocation, monetary forfeiture (fines), or a modification proceeding to restrict the frequencies upon which you may operate."

"Fines normally range from \$7500 to \$10,000," she concluded.

The FCC has dismissed without prejudice a [Petition for Rule Making \(RM-11651\)](#) by Lockheed Martin that would have amended the Commission's Part 15 rules to expand deployment of the company's radio frequency identification (RFID) system in the 433 MHz band (433.5-434.5 MHz). Lockheed Martin sold its RFID business 2 years ago, but the company only this month requested that the [Petition](#) be withdrawn and the proceeding terminated.

The ARRL had staunchly opposed the Lockheed Martin petition, which the firm filed on behalf of its subsidiary at that time, Savi. The League locked horns with Savi years ago, when the company successfully petitioned the FCC to amend its Part 15 rules governing periodic radiators to permit high-power, near-continuous duty RFID tags in the 433 MHz band. As a concession to opponents, the FCC limited deployment of the devices to "commercial and industrial areas" and allowed their use only for tracking "commercial shipping containers." Lockheed Martin acquired Savi in 2006, but no longer owns the company.

The now-dismissed petition would have expanded the frequency range of the RFID tags to 433.05-434.79 MHz, required listen-before-transmit protocols to avoid interference to Amateur Radio, eliminated a manufacturer registration requirement, and dropped rules that prohibited deploying the devices outside "commercial or industrial areas" and limited their application to "commercial shipping containers."

The ARRL [filed](#) vigorous opposition to the Lockheed Martin [Petition](#) in January 2012, saying that Lockheed's petition "seeks to undo virtually all of the few interference protections" the FCC had adopted in 2004.

Has Roadway found the tower yet?

North Hills Amateur Radio Club 29th Annual Hamfest



July 19th, 2014, 8:00 AM—1:00 PM

Setup Time at 6 AM for Vendors & Tailgaters

Parkwood Presbyterian Church, 4289 Mt. Royal Blvd, Allison Park, PA 15101

Indoor Tables \$10 — Tailgaters \$5/Space

General Admission \$5 to the public

Free Coffee — Free Parking — ARRL VE Testing at 10:00 AM

More Information at www.nharc.org



Somerset County's 11th Annual Hamfest

July 20th, 2014, 8:00 AM—1:00 PM

Grounds Open at 6 AM for Vendors & Tailgaters

Somerset County Technology, 281 Technology Drive, Somerset

Admission \$5, Children Under 13 Free

Free Outside Tailgating — Free Coffee — Free Parking

ARRL VE Testing at 10:00 AM

More Information at www.k3smt.org

Mon County Amateur Radio Club Hamfest

Saturday, June 21st, 2014, 8:00 AM—1:00 PM

Grounds Open at 6 AM for Vendors & Tailgaters

St. Mary's Catholic Church Outdoor Pavillion

3434 University Avenue, Star City, West Virginia 26505

Talk-in on 147.075 PL 103.5

Admission \$5

More Information at <http://www.gsl.net/k8mcr>



Skyview Radio Society Swap'n'Shop ARRL Western PA Section Convention

Sunday, August 24th, 2014, 8:00 AM—1:00 PM

Grounds Open at 6 AM for Vendors & Tailgaters

Skyview Radio Society Clubhouse

2335 Turkey Ridge Road, New Kensington, PA

Talk-in on 146.640 PL 131.8

Admission \$5

More Information at <http://www.skyviewradio.net>





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☐ **2nd Qtr**
Apr-Jun

☐ **3rd Qtr**
Jul-Sept

☐ **4th Qtr**
Oct-Dec

☐ (F1) Full Membership:

\$20.00

\$15.00

\$10.00

\$5.00

☐ (F2) Full Membership < 18 or > 65 yrs of age:

\$10.00

\$7.50

\$5.00

\$2.50

☐ (A1) Associate Membership:

\$10.00

\$7.50

\$5.00

\$2.50

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

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Name: _____

Address: _____

City, State: _____

Home Phone: _____

Email Address: _____

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]

Signature: _____

Call Sign: _____

License Class: _____

Expires On: _____

Work Phone: _____

Birthday: _____

ARRL Member? ☐ Yes ☐ No Family ARRL Member? ☐ Yes ☐ No

Date: _____

Amount Enclosed: \$ _____

N3RDV has requested that 2014 membership requests and renewals include an application so that his information is up to date

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



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Benefits for you: Joining and participating in everything the League has to offer, including a QST subscription.
Benefits for the club: A few more shekels for our coffers.

Just fill out the form below, include a check or money order made out to WASH/ARRL, and return all to the club treasurer or mail to:

WIRELESS ASSOCIATION OF SOUTH HILLS, INC.
c/o Mark Stabryla N3RDV, VP/Treasurer
1120 McKnight Drive
Bethel Park, PA 15102-2456



Name: _____

Address: _____

City, State, ZIP: _____

Please Check the Appropriate One-Year Rate:

☐ \$39 in US

☐ Age 21 or younger, \$20 in US (only if you are the oldest licensed amateur in your household)

☐ Canada \$49

☐ Elsewhere \$62

☐ Other (including Blind, Life, QST by First Class Postage — please contact ARRL for rate)

Dues subject to change without notice

Call Sign: _____

Date of Birth: _____

Total Enclosed: \$ _____

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

Name & Call Sign: _____

Name & Call Sign: _____

Name & Call Sign: _____

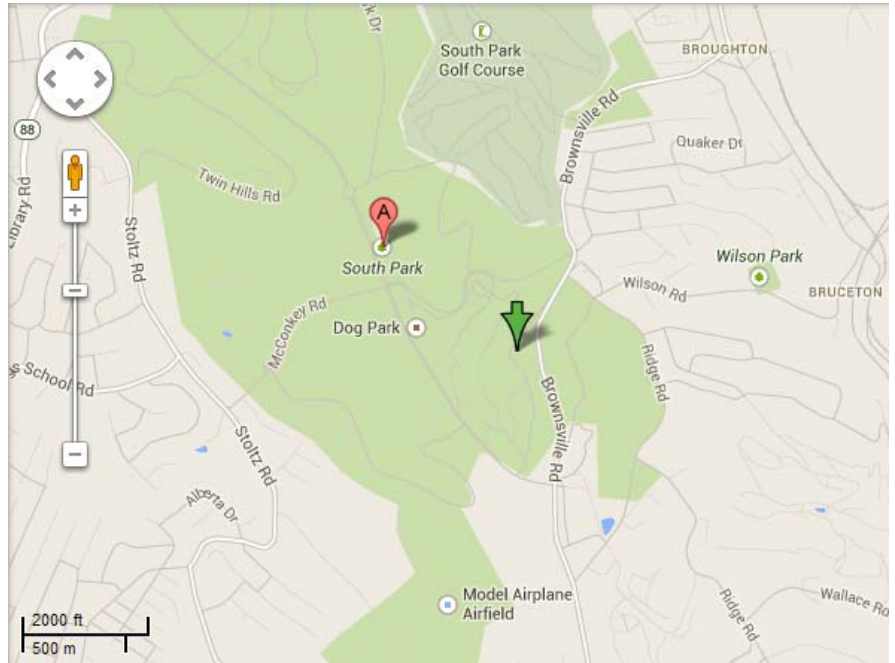
N3SH Field Day 2014

Field Day Weekend: June 28th & 29th

Early Setup: Friday, June 27th (tentative)

Start & End Times To Be Determined

- **Where: Outlook Shelter/Grove, South Park.** The large Outlook Shelter is located off Brownsville Road (see map to the right).



More information on N3SH Field Day 2014 will be forthcoming at the June club meeting, on the N3SH email reflector, & the N3SH website

Photo (Left): The tower trailer & one of the operating positions at dusk, from N3SH Field Day 2009, courtesy of and © Copyright 2009, 2014 Ron Telek W3LE

The WASHRag

Wireless Association of South Hills, Inc.

Ron Notarius W3WN, Editor

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Castle Shannon, PA 15234-2546



N3SH / WA3SH
NP2SH/B

www.n3sh.org
www.washarc.org

