



The VHF Transmitter



Keystone VHF Club, Inc.

W3HZU

Founded 1955 – York, PA

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July/August 2016

Jon Abbott KB3IGH A Silent Key

Gary LaBarre, N3GL reported with great sadness the passing of Jon Abbott, KB3IGH at about 8:30 PM on July 14th. Jon was at the far too young age of just 37.

Jon was actually in the hospital for 2 weeks before any of us knew. He's had some difficulty breathing and went to the hospital with Pneumonia and a collapsed lung. Despite the ventilator, antibiotics, and 100% oxygen he continued to decline. He was running a fever of 105 when I got there. He was somewhat awake and generally aware, but was uncomfortable so they kept him medicated. The chaplain was in to see him early.

Finally, in accordance with Jon's wishes, at about 7:30 PM they removed the ventilator and other machines. He passed about 40 minutes to an hour later. His passing was quiet and peaceful.

Jon's family was with him every day in the hospital. When I got there, his Grandparents, Step Dad, and Step Brother Nate were all there. Jon's Mom passed just a little over a year ago, and his family is still hurting from that, so this is particularly tough for them. Jon's younger brother Nate has been overseeing Jon's care and was with him right to the end. Nate has been a trooper through this whole thing.

Jon's family didn't know how to contact us, that's why we only recently learned of his illness.

I'll ask that you keep Jon and his family in your thoughts and prayers. Hug your kids a little tighter, call someone you haven't spoken to in a while, or check in on your parents. None of us know what tomorrow brings, so make the most of every day.

Jon was a kind and gentle human being. He'd help anyone he could. He worked with the fire department, was Glen Rock's EMC, and a good friend to the club and all of us. Remember him fondly.

Ron Cohen N3GIB A Silent Key

Ronald L. Cohen, Sr., 78, died Monday, June 6, 2016 at the Hershey Medical Center. He was the husband of the late Elizabeth M. (Leiphart)

Cohen, Ronald was born on November 9, 1937. He retired in 1996 from Caterpillar, Inc. after 32 years of service. He was a U.S. Navy veteran. He was a member of the York Amateur Radio Club and a member of the Keystone VHF Club from 1992 to 1999. He also belonged to the American Legion Post 799 in Pleasureville.

Tech Sessions & Club Projects

It's hard to believe that the Summer is mostly over. Activity usually slacks off quite a bit during the June through August time frame. Before you know it, evenings will be getting cool and it will be time to start thinking about Ham Radio again! All in all, throughout the Summer we haven't done too bad. Work on our 15 foot communications dish is progressing.

Continued on Page 5

Long time club member Jack Dellinger, KC3JD will be admitted to York Hospital to undergo Surgery for Colon cancer Aug 3rd. He will be there recovering for a few days. You can send an E-Greeting to Jack using the link below:

<https://www.wellspan.org/egreeting/>

At this time, we do not have a room number or visiting information. Jack, please know that our thoughts & prayers are with you. ... the Gang @ KVHFC

Two Club Members Voted into Life Membership



Cameron Bailey, KT3A joined the Keystone VHF Club in 1979 and has been a continuous member for over 37 years. Cameron has been very active in participating and supporting a wide spectrum of club projects and events over this period of time. Cameron is an ACS Operator for PEMA, a Communications Officer for our local municipal EOC serving northeastern York County, and helps our county ARES, RACES, and SKYWARN (YARS) group. He has also served as club President in 1981 and as Vice President in 1980 and 1985.

Brad Kline, KO3T joined the Keystone VHF Club in 1991 and has been a continuous member for 25 years. Brad has been very active in a variety of our club events and projects over this period of time.

Brad has also been instrumental in being a liaison between our club and our sister organization, The Hilltop Transmitting Society. He has served as our President in 1998 and has been a Vice President in 1996, 1997, 1999, 2000, and 2001.



NEXT MEETINGS

Thursday, August 4th and September 1st at the Club Site located on Deininger Road

Schedule of Keystone VHF Club Sponsored VE Testing for 2016

Laurel VE Group Testing sponsored by the Keystone VHF Club are held the second Saturday of the odd months. All tests are at 10 AM, pre-registration is appreciated except at the Hamfest. Contact, Ralph Brandt at ralph.brandt@comcast.net or phone 717-792-1017.

Locations are York EMA Office at 120 Davies Road, York, or Keystone VHF Club on Deining Road, York, near the Rocky Ridge Park

Testing dates: Sep 10 Nov 12

Keystone VHF Club sponsored testing by the Laurel V.E. Group. These sessions are held in the Training Room at the York County EOC, 120 Davies Rd., York, PA. Testing starts at 10:00 AM. Preregistration is appreciated. *Contact Ralph Brandt at: Ralph.brandt@comcast.net or phone 717-792-1017 to register.*

VE exams will be sponsored by Southern Pennsylvania Communications Group (SPCG). These sessions are held at the Shrewsbury Borough Building, 35 Railroad Ave., Shrewsbury, PA. Testing starts at 9:30 AM. *The point of contact for these sessions is Nate, WN3I at wn3i@comcast.net.*

Aug 13 Oct 8 Dec 10

Local area nets:

Capitol Area Traffic Net starts **Monday at 8 PM** on the South Mountain Radio Amateurs (SMRA) repeater on 146.46 (67.0 tone), 1 MHz offset.

The Combined Club ARES/RACES Net meets **Monday at 8:30 PM** on the Keystone 146.97 Repeater (Tone: 123 Hz).

South Mountain Radio Amateurs (SMRA) Net on **Monday at 9 PM** on the 145.43 (Tone: 67 Hz) repeater located in Mt. Holly Springs. *After the normal FM net, a group moves off to 144.210 MHz, operates SSB*

The Keystone VHF Club Digital Net on **Tuesday at 8 PM** on the York 146.97 Repeater (*Suspended over the Summer*) ... *to restart in September.*

The Keystone VJF Club ELMER Net on **Tuesday at 9 PM** on the York 146.97 Repeater right after the Digital net

A local FM Simplex Net runs **Thursday at 8:30 PM** on 146.55 MHz.

South Central PA 10 Meter Net **Friday at 8 PM** 28.495 MHz USB

** Listed below are some local 10 meter nets **

Ham Shack Talk Net - Monday at 9 PM: 28.335 MHz.

Delaware Lehigh Valley ARC Net - Sunday 4:00 PM: 28.430 MHz

Do Drop In net - Sunday 8:30 PM: 28.450 MHz

Penn- Mar Club net - Friday. 8:30 PM: 28.495 MHz.

10 Meter Ragchew Net - Every evening starting 7:30PM: 28.600 Mhz

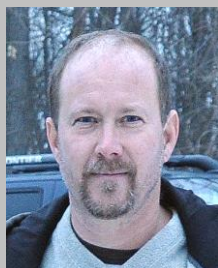
Trustee's Report



Tim, W3TWB



Dick, WA3USG



Jeff, KB3RCT

Scheduled Club P.S. Events for 2016

* **Aug 13, 2016 - Red Lion Street Fair**

POC: Jack Dellinger, KC3JD jdelli@aol.com

* **Aug 6-7, 2016 - MS Bike Tour Gettysburg *** SJ**

POC: Sandy Goodman, N3ECF slgoodman1@verizon.net

* **Aug 27, 2016 - The KVHFC Corn Roast**

* **Sept 3, 2016 - Kings Gap Time Trials**

POC: (Micah Neff, KB3TGY tortmentor@aol.com)

* **Sept 10, 2016 - KTA Superhike *** SJ**

POC: Ken Wiggins, N2DYK n2dyk1940@yahoo.com

* **Sept 18, 2016 - Three Creek Century Bike Tour *** SJ**

POC: Dick Goodman, WA3USG wa3usg@verizon.net

* **Oct 30, 2016 - Michaux Team Challenge *** SJ**

POC: Dan McGlothlin kb3mun@mcglothlin.us)

* **Dec 24-25, 2016 - Glen Rock Carolers**

POC: Stan Walters, AB3EM abacuspc@comcast.net

*** SJ (Your Slim Jim will
work here)

A Quick Note Regarding Adams County Repeaters

By Don Schmitt, K3DCS

Just a quick note. About 6 weeks ago County EMA relocated both our VHF and UHF repeater antennas and transceivers to the new tower and equipment building at Upper Temple/Camp Nawakwa. Move was only about 50ft from old site but tower config is a little different than old tower.

We've noticed improved performance with our UHF system and what seems to be about the same for the VHF system. Let me know if it seems like coverage is better or worse. 145.35 MHz & 443.1 MHz

A bit of history from Bob Riese, K3DJC ...

I doubt anyone remembers this but in the 50s John Shaffer, W3SST (and founder of our club) was the engineer at WSBA AM. The broadcasting day ended at 12 AM. John would use the time for transmitter tune up and adjustment and to run an Amateur Radio kinda talk show. People would send in post cards and John would read them on the air. It was popular to get a QSL card from radio stations back then. He would talk up ham radio, mention swap meets and actually run code practice. I remember listening to this before I got my Ticket in 1958. There was a wide audience for this and WSBA got cards from many western states.

Thanks Bob !!

The VHF Transmitter

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FOR SALE/WANTED

This needs to find a new home. This National HRO M X has a crystal filter works that well on CW and SSB and has been re-capped. The radio dates to 1937 and was used by the English as a German monitor before WW2. This unit was probably part of the lend lease program. I got it from someone that picked it up in England.



If interested, please make offer
Bob Riese, K3DJC riese-k3djc@juno.com

FREE -- 5 band Hex-beam antenna. On a short tower above the roofline. You take down. Needs new wire strung, but all structural elements are sound. Rotator not included. Located in Hellam Township.

Call (717) 252-1054 and leave message.

Thanks, Jay Reich, W3PNZ

Pre-Estate Sale of Ham Gear

Yaesu FT-900, with automatic antenna tuner, CW filter, Collins Sideband filter(all options as available from the factory, including remote head mount kit. \$650.00

Yaesu FT-1000mp- with automatic antenna tuner. Box stock otherwise, no optional filters installed. Great DSP. \$1,000

Yaesu FT-2000- has automatic antenna tuner, CW filter in 2nd receiver, IF board for the DMU 2000. \$1,200

Kenwood TS-940s- with automatic antenna tuner. Factory stock, no optional filters. Needs new memory battery. \$700

Second-hand equipment:

Icom 730 w/optional SSB filter which enables IF shift. No automatic tuner. Has original box. \$350

TenTec Paragon w/ all optional filters. Automatic antenna tuner not available for this rig. This rig has had little use. \$400. A defective matching power supply/speaker is available with the rig at no additional charge.

May be some wiggle room on all these asking prices, but I'm not dead yet, so save the low offers for the XYL after I'm gone!

All have original boxes, manuals, and small parts as factory packaged. All one owner, can be demonstrated before purchase at my shack near Newville, PA. If interested please respond by e-mail.

73, Martin K0MB MailfrmPA@aol.com

Saturday, August 27th The Keystone VHF Club Corn Roast

Details to be discussed at the August meeting!
A club tradition for 60 years !

Big Changes for the Dayton Hamvention!

Bob Gundlach, N3NBT forwarded this shocker!

The Dayton Amateur Radio Association (DARA) regrets to inform our many vendors, visitors and stakeholders that, unfortunately, HARA has announced the closing of their facility. We have begun execution of our contingency plan to move Hamvention® 2017 to a new home.

The Dayton Amateur Radio Association (DARA) and Hamvention® have enjoyed many successful years working together with the HARA Arena and we wish the Wampler family the best.

DARA and Hamvention® have been working on a contingency plan in the event HARA would become unavailable. We have spent many hours over the last few years evaluating possible locations and have found one in the area we believe will be a great new home!

[Greene County Ohio Fair & Exposition Center](#) is the new Dayton venue. We all believe this new venue will be a spectacular place to hold our beloved event. Please rest assured we will have the event on the same weekend and, since it will be in the region, the current accommodations and outside events already planned for Hamvention 2017 should not be affected.

Amateur Electronic Supply (AES) Has Discontinued Business

Amateur Electronic Supply ([AES](#)) will close its doors at the end of July after 59 years in business. No reason has been given for the decision to close the business. AES has been a premier player among Amateur Radio equipment retailers for decades, as well as a major presence at Dayton Hamvention® and other events. Various media outlets were informed of the closing in a brief e-mail message on July 6, but word of the closing has not yet appeared on the retailer's website or Facebook page.

"It's with great sadness that I have to tell you that Amateur Electronic Supply (AES) will cease operations at the end of this month," AES National Sales Manager Tom Pachner, W9TJP, said in an e-mail. An employee at the Milwaukee headquarters store, who did not wish to be identified, confirmed that the message was legitimate. It's believed that the AES staff was notified before the July 4th holiday weekend. In addition to the Milwaukee store, AES operates outlets in Cleveland (Wickliffe), Las Vegas, and Orlando.

On July 1, 2016 Amateur Electronic Supply (AES) made the decision to close down their entire organization and terminate all retail operations at their Las Vegas, Cleveland, Orlando and Milwaukee locations. Upon hearing the news, and with the concurrence of AES senior management, Ham Radio Outlet (HRO) sent senior management to each location to interview the staff with hopes of acquiring some of the Amateur Radio retail employee talent in each of the current AES locations.

Together with this interview process, HRO examined what it would take to perhaps acquire one or more of the AES store locations. At the time of these interviews, many opportunities were explored with current AES senior management.

We are very excited to announce that HRO was successful in providing offers of employment to a number of soon to be former AES employees and that to some, we have offered positions that involve HRO sponsored and funded relocation. We are also extremely pleased to announce that, after the closing of the Milwaukee AES location on July 28, 2016, [Ham Radio Outlet will begin an extensive remodeling project to create the largest Amateur Radio retail showroom in North America. We will open our newest and largest Ham Radio Outlet in Milwaukee at the end of August 2016.](#)

Effective at the closing of AES on July 28, 2016, all former AES locations' direct telephone numbers and toll free telephone numbers will be redirected to the closest HRO location so as to not disrupt providing service to the AES customer base. Additionally effective on July 28, 2016, the www.aesham.com website will be directed to www.hamradio.com also so as not to disrupt service for the AES online customer base.

My 6 Meter Christmas Present

By Steve Cruse, K3WHC

I have been active on 6 meters off and on for over 50 years. Back in 1963 when I upgraded from Novice to Technician class, technicians were only allowed phone privileges on the vhf bands. Since I had done all the CW I intended to do during my novice days, I could hardly wait to try out the microphone that came with my Ameco TX 86. The TX 86 was a crystal controlled dual grid modulated 80 through 6 meter transmitter that put out 90 watts. Back in those days, there were quite a few local stations on 6 meters and we had a calling frequency which was somewhere around 50.140 Mhz. Most any evening, you could round up a bunch of stations on 6 with a quick CQ on the calling frequency. We would get into serious round table discussions that would sometimes last for hours. One such session got broken up when one of the participants fell asleep and tripped his microphone push to talk and the rest of us heard a dead carrier with no modulation other than soft snoring. The offending ham was eventually awakened when one of us drove over and pounded on his door to discover numerous empty Budweiser cans lined up on the operating desk.

Back in those days before the advent of FM repeaters, 6 meters was the band to hang around and talk to the locals, except when the spring and summer Sporadic E skip openings would crack the band wide open for daily openings out to around 1500 miles. We could routinely work into call areas 1,2,3,4,5,8,9 and 0 land with low power and simple antennas. Occasionally, some good propagation to the Caribbean would even provide some DX contacts.

I was off the air on 6 meters from 1967 till 1975 with college and apartment living so when I got back on again after buying a house, 6 meters was one of the first bands I reactivated. Wow how things had changed. Everyone had converted to SSB and crystal control was a thing of the past. Most of the commercial rigs had power levels of 100 watts plus and the receivers were so much better. If you had a decent 6 meter station you had at least a 3 element Yagi and the big guns had "the boomer" which was a monster 6 element beam made by Cushcraft. I worked every state in single hop E skip range but could never seem to catch the elusive double hop openings to the west coast. I did manage to work quite a few DX stations in the Caribbean and a few in South America. After a few years I started moving up to 2 meters and 70cm weak signal activities, having built 1 KW amplifiers for both bands. Using this high power, tower mounted pre-amps and lots of aluminum on the tower, I accumulated 37 states on 2 meters and 24 states on 70 cm and my only moon bounce contact on that band.

Fast forward to 2014, I had dropped out of ham radio for over 15 years after moving from the old QTH. A number of the Keystone Club members kept bugging me to get back into radio so I bought a HT and started listening on the repeater. It wasn't long before that Ham Radio Bug bit me hard again. I soon began rebuilding my station and 6 meters was at the top of the list. Again, things had really changed. Six meters can be a noisy band and now we had radios with noise blankers that actually worked. Antennas had also taken another quantum leap with computer modeling helping to design antennas that not only had more gain but had much better patterns to minimize noise pickup. My 6 meter station now consists of a TS 2000 driving a 2x 3-500Z tube amp to 1.2 Kw into a 5 element M2 beam.

Six meters is often called "The Magic Band". It shares both the propagation characteristics of the low frequency bands and the VHF modes as well. Discussion of the 6 meter band's many propagation nuances would take many pages so suffice to say, on December 25, 2015, I was lucky enough to catch an extremely rare band opening from here on the east coast to New Zealand. In the last 20 months since I got back on 6, I have worked 20 countries, all were in Europe, Africa or South America. I have never heard or worked Alaska or Hawaii on the band so I was of course flabbergasted to hear stations from ZL coming in weak but readable on CW and SSB. It was a special Christmas present to get ZL3NW and ZL3RC in my logbook late on Christmas day. It was my best DX ever on 6. It took until last week until I realized how lucky I was to work those contacts. The April edition of QST in the "World Above 50 Megahertz" column devotes several pages and diagrams postulating how this propagation path developed. It seems the signal path would have required a double hop E skip to get to the west coast of Mexico, then another Trans equatorial hop to the South Pacific and finally another E skip hop to the east coast of New Zealand. Needless to say, that doesn't happen every day.

Six meters is a really fun band with all kinds of mixed propagation modes that can deliver some real surprises. If you have any interest in the band, give me a shout on the repeater or better yet on 50.125 USB.

PAARC 6 Meter Net

I have several Ham friends in each of your clubs and I copy your club's mail from Yahoo groups. Recently I made a new Ham friend, Leonard Miller WV3P, who is Net Control at The Magicians Net on 6M in the Pottstown PA area.

He has asked that I invite my Ham friends in our local area to try to engage the Magicians Net on Wednesdays. I know that W3UU has their Net on Wednesdays at 8:00 PM and The Magicians Net is at 8:30 PM so I am not trying to take anyone away from their club's net but if you find time available you might try the 6M net.

Following the 6M 8:30 PM net on 50.130 SSB they switch over to AM at 50.400 at 9:00 PM which they call the Mini Boat Anchor Net. I am located on Reeser's Summit, but not quite at the top of the summit, and have some dirt between my antenna and Pottstown but I am able to make it on 50.130 using my 2 element MQ-26SR mini beam antenna and 100 watts.

Give it a try, you have nothing to lose and might have some fun using your 6M capability. Thanks for the bandwidth, Tom K3TVC

Polycrystalline Solar Panel

\$139.00 on eBay

This is the one Tim, W3TWB bought



Peak Power: 150W
Max Power Voltage: 18V
Max Power Current: 8.34A
Open Circuit Voltage: 21.6V
Short Circuit Current: 8.92A
Max System Voltage: 1000V
Size: 1480x660x35MM
Test Condition:
AM1.5, 1000W/m², 25°C



Operate all day at 100 watts!

Club Projects continued from Page 1

We built Slim Jim antennas, Tape Measure Beams, had a Tech Session on APRS, started up an ELMER Net, and continued our Thursday evening sessions at the club site throughout the Summer. Several of our new members have gotten on HF and quite a bunch has become interested in 6 meters.

We have also maintained our commitment to supporting public service events. Tim, W3TWB utilized one of the 2 meter repeaters donated to us by the Civil Air Patrol and reconfigured it into a portable repeater that we have used in two major public service events, The Ironmasters Challenge Hike and the York Marathon.

Tim and Steve Cline, KC3CPL also fabricated a communications trailer with a 40 foot air mast and Dipoles for 160, 80, and 40 meters. The air mast may be removed from the trailer and attached to the receiver on a trailer hitch. We have used it in this configuration with the portable repeater with great success.

Not many organizations have the capabilities that we do. Our new club members have provided an awful lot of "Value Added" to this mix. During the Ironmasters Challenge, we not only manned communications at the busiest & most remote check point, we completely managed and ran the checkpoint. Our folks were there all day. Ryan, KC3FSJ set up a complete communications hut reminiscent of what you see on M.A.S.H. I think that he spent 3 days and 2 nights there! Due to Eric's, KB3CNH effort, EchoLink is back up for the first time in 3 years and thanks to Steve, K3WHC, we will soon have an outstanding EME station. There are many other irons in the fire too. Last year was the busiest that I have seen the club in my 33 years of membership.

What's next ... yes, we have maintenance yet to do at the club but how about something that's really cool & techy! Something that we can use at public service events and maybe between each other. I would really like to see a good demonstration of Mesh Networking. I know that Ralph, K3HQI has set up a Mesh Network with a couple of Linksys Routers. Check out the below write up by Owen Morgan, KF5CZO on Mesh Networking:

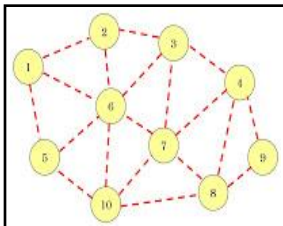
Lately I've been fascinated by the capabilities of mesh networks. The ability to quickly create ad-hock computer networks could be an invaluable resource for amateur radio operators in general and particularly for emergency communications (EMCOM)

The particular device and software I have been experimenting with is the Linksys WRT54G router and HSMM-MESH firmware from <http://hsmm-mesh.org/>.

Installing the HSMM-MESH firmware changes the way the Linksys router functions and allows it to automatically connect to other HSMM routers in a mesh network. No special configuration is required after setting your callsign. All TCP/IP configuration is pre-configured, even down to automatically assigning addresses to connecting clients.

Mesh networks are highly fault tolerant. Every router in the network is aware of every other router and has the ability to move network packets through from one unit to another provided there is a link, or chain of linked routers, between them.

In the diagram below each router is represented by a numbered circle. If router number 6 were to fail then network packets that needed to move between router 1 and 7 would travel through routers 2 & 3 or 5 & 10 until 6 was repaired. All this happens automatically and quickly enough so that there is no disruption to the traffic. Anything you can access on a normal computer network can be made to work on a mesh network. Some of the services that have been demonstrated include email, voice over IP (VOIP), video conferencing, file sharing, web servers & groupware applications. With simple modified antennas the modest output power from the WRT54G (100 to 200mW) can be used to reach distances of many miles or tens of miles with directional antennas. Mounting the router on a mast in a sealed enclosure can reduce losses from long cable runs while running off 12V power makes them compatible with ham radio power sources including solar and wind power.



The example below is from NG5V located on hsmm-mesh.org and consists of an omni-directional external antenna and a lawn sprinkler controller box from a popular home improvement store.

Did you know that ... *Frequencies used by channels one through six of 802.11b and 802.11g fall within the 2.4 GHz amateur radio band. Licensed amateur radio operators may operate 802.11b/g devices under Part 97 of the FCC Rules and Regulations, allowing increased power output but not commercial content or encryption.*

I hope to acquire a few more WRT54G routers and put together a mesh network in the Katy TX area as a resource for experimentation and education in an area not normally touched upon by regular amateur radio operators. Who knows what the future holds & it behooves us to investigate this technology and bend it to our own needs.



A Tech session devoted to this would be most interesting. The Linksys routers are inexpensive and available. If you wanted to experiment and become knowledgeable in this technology, you would only need two of them. Then if we wanted to establish a multi node network, several folks could bring and link their routers together. Below is a table identifying which versions of the Linksys WRT54 routers will work:

Brand	Model	Version	Current Release	Unsupported	OEM Info	Forum Topic
Linksys	WRT54G	8.0	-	Impossible: insufficient RAM and Flash		
Linksys	WRT54G	5.0	-	Impossible: insufficient RAM and Flash		
Linksys	WRT54G	6.0	-	Impossible: insufficient RAM and Flash		
Linksys	WRT54G	7.0	-	Impossible: insufficient RAM and Flash		
Linksys	WRT54G	2.0, 2.2, 3.0	10.03.1			
Linksys	WRT54G	1.0	10.03.1			
Linksys	WRT54G	1.1	10.03.1			
Linksys	WRT54G	3.1	10.03.1			
Linksys	WRT54G	4.0	10.03.1			
Linksys	WRT54G-TM	1.0	0.9			
Linksys	WRT54G3GV2(-VF)	1.0	10.03			
Linksys	WRT54GC		-	Impossible: insufficient RAM and Flash		
Linksys	WRT54GL	1.0, 1.1	10.03.1			
Linksys	WRT54GS	1.0, 1.1, 2.0	15.05			
Linksys	WRT54GS	5.0	-	Impossible: insufficient Flash		
Linksys	WRT54GS	5.1	-	Impossible: insufficient RAM and Flash		
Linksys	WRT54GS	6.0	-	Impossible: insufficient RAM and Flash		
Linksys	WRT54GS	7.1	-	Impossible: insufficient RAM and Flash		
Linksys	WRT54GS	3.0	0.9			

For wireless support on Kernel 2.6 it is recommended to use releases newer than and including "Backfire" 10.3.

Note: the wireless driver names are different in 2.6 from 2.4. You may need to do:



**Keystone VHF Club
General Meeting Minutes of
June 2, 2016
By Sandy Goodman, N3ECF – Secretary**

The General Club Meeting held at Keystone VHF Club was called to order by Pres. Mike, N3VQH, at 19:00. There were 42 members present and 1 guest.

PRESENTATIONS:

Glen Kurzenabe, K3SWZ, did a presentation on QSL cards.
Mike, N3VQH, showed slides from the Dayton Hamvention.
Jack, KC3JD, advised the Ed Swank, KA3LJL, has lost him home, so he has equipment available, some of it not working well. Any amount you're willing to give would be appreciated.
Life Memberships were presented to Cameron Bailey, KT3A, and Brad Kline, KO3T.

SECRETARY REPORT: Sandy, N3ECF. Dave, KC3GMQ, moved to accept the May minutes as published, 2nd by Steve, WB3EFA. Motion carried.

TREASURER REPORT: Anne, KB3ZLJ, reported for May: Income: \$607.41; Expenses: \$954.78 -- of which \$280.58 was for electric; Balances: Club CD \$7,650.95; Checking Acct \$2847.14; Trustee Acct \$433.70; Total \$10,931.79.
Jim, N3QZS, moved to accept the report; Steve, K3WHC seconded. Motion carried.
Tim, W3TWB, advised that the Kenwood 930 was sold for \$653.62 (minus shipping).

COMMITTEE REPORTS:

TRUSTEE REPORT –

Dick, WA3USG & Jeff, KB3RCT have been mowing. We remind everyone that helping with the mowing would be good exercise.
Bill Rosevear, KC3GTX, donated a charcoal grill which will be mounted.

TECHNICAL COMMITTEE REPORT -

Tim, W3TWB, reported that the committee will get back to work on the dish project.
Tim showed the weights that he made by pouring cement into the cut off top of cans. Those will be used to secure the guy lines for the portable antenna.
Work is progressing on Echolink. Eric, KB3CHN, is handling the 2 meter repeater. Tony, KC3EED, is doing the 440 repeater.
Saturday, July 16th, there will be an antenna party to take down the antenna that belonged to SK Sterling Tate.

EMCOMM/PUBLIC SERVICE NEWS –

York Marathon on May 15th only had 95 runners. This was the first event where we've had to deal with 40-45 mph wnd gusts. Antennas, pop-up tents, and even traffic barriers were being blown around. Working in downtown York (around Newberry St) encountered a lot of interference from unknown source. Otherwise operations worked well.
June 5th is the Tie Dye 5K at Rudy Park. We have the minimum needed to cover, but any additional operators are welcome. We'll gather at 7:30 am. This is covered by HT simplex.
June 18th is the Double Creek Half Marathon and Bike. We have operators to cover the 3 rest stops for the bike tour, but we need a few more operators to cover all the water stops for the half-marathon.

VE/ED REPORT -

At the Hamfest, the testing team gave 9 tests. 1 person took all three and ended up licensed as an Extra. 3 others achieved the General test, and 1 Technician.
At the May session, 2 Technicians passed.
Nate will hold the testing on the 2nd Saturday of June in Shrewsbury. Sean Barnes, N3JQ, is teaching students at Harrisburg Academy, and has

his students making contacts and asking questions. Please welcome those new operators to the hobby, and please use English, not jargon, when talking with them (ie ask for Name not Handle).

CONTEST REPORT -

VHF Contest is June 11-13
Field Day is June 25-26. Red Lion will hold their event at their club house. SMRA invites visitors to their event in Carlisle (see the newsletter for details). SPCG will operate at Spring Valley Park in the equestrian area.

NEWSLETTER/WEBSITE –

Newsletter got out. See the newsletter for information on the 2 meter challenge.

OLD BUSINESS:

Second reading was done for Ben Klimes, W3BLK, the son of Brian Klimes, K3BEK. He was then voted into membership.

NEW BUSINESS:

First reading was done for Joe Rossi, KC3FSI, from York Haven.

GOOD OF THE CLUB –

Tim, W3TWB, asked how many might be interested in renting a bus to go to the next Dayton Hamfest.
Walt, K3DQB, advised the Amateur Radio station at the National Electronic Museum, Linthicum, MD, will be operation a special event station on June 4th.
Peach Bottom Nuclear Power Plant is holding a Community Information Night on Monday June 13. Sandy sent an email with the details.

50-50 drawing was replaced by the raffle for a Boefang HT. Dan Shortencarrier, N3EEI, had won it at the York Hamfest and donated it to the club. Steve, WB3EFA, won the raffle and will give the HT to a new HAM. The raffle earned \$54.

**Keystone VHF Club
General Meeting Minutes of
July 7th, 2016
By Sandy Goodman, N3ECF – Secretary**

The General Club Meeting held at Keystone VHF Club was called to order by Pres. Mike, N3VQH, at 19:11. The meeting included an ice cream social. There were 43 members present and 1 guest. Guest Barry Johnson, KT4GG, introduced himself.

TECHNICAL HAPPENINGS: Dan, KB3JSV, talked about 6 meters. Mike, N3VQH, read an email that advised the W3HZU is eligible to "order" a certificate for a contest. We are not paying to receive a certificate.

SECRETARY REPORT: Sandy, N3ECF. Steve, WB3EFA, moved to accept the June minutes as published, 2nd by Joe, KB3TCM. Motion carried.

TREASURER REPORT: Anne, KB3ZLJ, reported for June: Income: \$924.98 (included sale of the TS9305 and a refund from American Power & Gas); Expenses: \$252.16 (electric was \$209.16); Balances: Club CD \$7,652.24; Checking Acct \$3,505.96; Trustee Acct \$433.70; Total \$11,591.90. Jim, N3QZS, moved to accept the report. Don, N3OSO, seconded it. Motion carried. Dick, WA3USG, and Tim, W3TWB, reviewed the electric bills. We finally got American Power and Gas removed as our provider. The guys need to review our equipment and update the insurance list.

COMMITTEE REPORTS:

TRUSTEE REPORT – Jeff and Larry have sprayed. Need to get stumps out and move the wood pile to make mowing easier. Will rent a stump grinder.

TECHNICAL COMMITTEE REPORT - The video server will be coming up. Dish work is progressing; it's almost three quarters of the way done. 6-meter and satellite antennas need to go up. Watch our Facebook page for an update on the work party. *See next Page*

2016 ... The year in review (so far) !

EMCOMM/PUBLIC SERVICE NEWS – In June we worked at the Tie Dye 5K in Rudy Park, and at the June 18th Double Creek Half-Marathon & Bike Ride. For the Bike MS on August 6-7, Sandy, N3ECF, still needs help for a Shadow, and a few operators at rest stops to have 2 operators at each location. Jack, KC3JD, still needs operators for the August 13 Red Lion Street Fair so a few more operators could work a half-day instead of a full-day.

VE/ED REPORT - The July VE testing is cancelled due to lack of registrations.

CONTEST REPORT -

Field Day reports were provided: Red Lion's went well where Tim loaned them the W3HZU bit mast for use on 40/80 meters. CW operations beat out the side-band. Dan, KB3JSV, his Dad, and Joe Stepansky had good contacts from Dan's home. SPCG had a good time. Dick reported on the SMRA's event at the Carlisle Fire Training Center.

Coming up this weekend is the IARU World Championship.

Dan, KB3JSV, is planning a trip to Annapolis Rocks for the next communications activity.

NEWSLETTER/WEBSITE – Website is up to date. Newsletter will be combined for July and August, then will return to monthly in September.

OLD BUSINESS: Second Reading done for Joe Rossi, KC3FSI, who was then voted into membership.

NEW BUSINESS: none

GOOD OF THE CLUB -

50-50 Tim, KB3WZX, won \$31.

Adjourned about 20:30.



Dinner after a Thursday evening Tech Session



Gang testing the portable repeater to be used at the Iron masters Challenge



KVHFC members who invaded the York Hamfest in April



It's gonna happen sooner than you think !!

KEYSTONE VHF CLUB OF YORK, PA



W3HZU



Membership Application

Name: _____ Phone: _____ - _____

Address: _____ Callsign: _____ Expires: _____

City: _____ State: _____ Zip: _____ Lic Class: _____

Occupation: _____ E-Mail: _____

Membership Desired

- Full** → Full Club Privileges
\$25.00 annually & one time \$5.00 Application fee
- Family** → Sponsoring members call: _____
Privileges same as Full membership
\$6.25 annually & a one time \$5.00 Application fee
- Associate** → Repeater Support
\$20.00 annually & a one time \$5.00 Application fee

Are you a member of:

- ARRL Y-N
- ARES Y-N
- RACES Y-N
- OCWA Y-N

Special Areas of Interest (circle all that apply)

AM Antenna building ATV Contesting CW Digital (Packet, RTTY, PSK-31, etc)
DX FM HF QRP Satellites SSB SSTV SWL Tower climbing LF DSP
UHF/Microwaves VHF Astronomy Photography Other: _____

Application & Dues Mailing Address:

Make checks payable to: *Keystone VHF Club Inc.* Mail to: *PO Box 20143*

York, Pa. 17402-0140

FOR CLUB USE ONLY

First Reading Date: _____ Second Reading Date: _____
 Date voted IN-OUT: _____ Date Dues Collected: _____
 Applicant Sponsored by: _____