



The VHF Transmitter

Keystone VHF Club, Inc.

W3HZU

Founded 1955 – York, PA



VOL 60 No 1

CIRCULATION 150

January, 2015

From the Keystone VHF Club's Operating Desk

By Mike Stackpoole, N3VQH

With the beam in the air and things working well over the last month we had our first DX Night at the club. Andy KB3RFH, Rich KC3CFV and I worked some of the 10 meter contest. We worked about 83 contacts. Andy suggested we look at our LOTW account and watch for DXCC Entities which we needed. We worked quite a few DXCC Entities on both 10M and other bands not in the contest.

Thanks to Dan KB3JSV's help we got all three newly purchased computers up and running and after some work I got the log updated and uploaded to LOTW. With those log additions we now have all 50 states confirmed on LOTW for a Worked All States (WAS) basic award. Montana was the holdout and we finally worked W1AW/7 from Montana. While I'm sure in the clubs history we have worked and possibly even confirmed all the states we now have it on LOTW and should have the award. I applied for the award certificate on Christmas Eve.

Last but not least the upcoming January ARRL VHF Contest is the weekend of January 24 -25 starting Saturday the 24th at 2pm local time and running until Sunday the 25th at 11pm Local. We will need operators for this effort. We are planning a big contest weekend!! If you're interested in getting on the air to help let me know.



Work continues on the inside of the club house. The three new computers voted on at the December meeting were assembled by Mike Stackpoole, N3VQH, Dan Melato, KB3JSV, and Kip Glunt, WB3APL with help from a few other club members who were present at the Tech session on December 18th. All are running Windows 7 and have Ham Radio Deluxe (HRD) loaded. HRD enables QSO logging from any of the three computers and also includes software to operate any of the digital modes.

A section of indoor/outdoor carpet was also installed that runs the length of the entire operating positions. This will help keep the operators feet warm during winter contesting ... it also looks really nice! Mounted on the far wall to the left is our new A.E.D. Finally we installed some really sexy blue LED lighting and neatened up much of the cabling.

The next major upgrade will most likely be a laminate floor that will encompass the existing floor not covered by the carpeting.

Technical Happenings in the Repeater Room

By Dick Goodman, WA3USG

Our Arcom RC210 controller is now installed and operational on the 146.97 Repeater thanks to Kevin Magloughlin, KA0JQO and Chris Shover, KB3TWW. If you listen to the repeater courtesy tone, you can tell if someone is up at the club site. A single lower frequency "beep" indicates that the clubs alarm system is enabled and no one is there. A dual tone ... low frequency beep, then a higher frequency beep separated by about a quarter second, indicates that the alarm system is disabled and there is someone up at the club. We will also be interfacing the controller to the generator power transfer switch so we will get a notification if we are running on emergency power.

About a week ago, the 146.97 repeater failed due to a minor problem associated with power to the Arcom controller. The controller was in a temporary testing mode so this should not happen again. The point is that I simply switched my CTCSS tone over to 127.3 Hz and was able to access our backup repeater, on the same frequency, located in Dover. Yes ... have another repeater on 146.97 on hot standby in the Dover area atop Conowago Mountain. All you have to do to use it, is to change your CTCSS tone. We ask that you not use this backup repeater unless the main site repeater has problems. If you are having trouble getting into the main site because of your location, you can give the Dover site a try. If you do this, just ensure that you let the other repeater completely drop before you transmit. The bottom line is to only use the Dover backup machine when absolutely necessary.

Tone: 123 Hz - Main repeater site

Tone 127.3 Hz - Dover Repeater site

Don't Forget the 17 Meter DX Challenge

By Brad Kline, KO3T

- Open to members of the Hilltop Transmitting Association and the Keystone VHF Club to work as many DXCC countries and CQ zones in the calendar year 2015.
- Any mode is acceptable, phone, multiple modes if you choose as well.
- 100w maximum output for all contacts.
- Restricted to single-element antennas, NO multi-element antennas!
- All contacts must be made by the individual ham participating in the Challenge, except if you are making contacts for the club call sign at the club station.
- Each participant is asked to provide an update of total points (DXCC entities + CQ zones) to their club president each month.
- Plaques to be awarded to the top finisher from each club, with the overall winner also receiving a bonus prize to be decided upon at a later date. Certificates will also be given to runner-up finishers in each club.

I know that several KVHFC members have put up 17 meter dipoles/Vee's during the last month. The competition has started on January 1st so get working!

NEXT MEETING

**Thursday, January 8th, at the York County
EOC on Davies Road**

BTW ... 2015 will be our 60th anniversary!

Schedule of Keystone VHF Club Sponsored VE Testing for 2015

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 Deininger Road, York, near the Rocky Ridge Park

Testing dates:

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.*

January 10 March 14 May 9 July 11 Sept 12 Nov 14

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 the same as above

Feb 14 April 11 June 13 August 8 Oct 10 Dec 12

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. All properly licensed radio amateurs are invited to check in.

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.

A 6 meter activity night will be held on **Wednesdays starting at 7:30 PM** (meet on 6 meter repeater) and then move to 50.135 MHz USB at 7:45 PM.

The Keystone 75 meter net on **Tuesday at 9 PM** on a frequency to 3820 to 3840 KHz (+ or - the QRM). In the Summer, the net is suspended.

The Quarter Century Wireless Association (QCWA) net meets on **Wednesday 9 PM** on the York 146.97 repeater. (**Net currently not held**)

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.

Linux for all interested members

Want to learn something about the Linux operating system? Right now we have two members, Lee Lindsay, WB3HNA and Kip Glunt, WB3AFL who are actively running digital modes using this OS. Kip is actually compiling his versions of the communications programs and making the executable available to anyone interested. Are you interested in becoming knowledgeable in this operating system? Give Kip or Lee a call. Kip has a mailing list he can put you on.

Scheduled Club P.S. Events for 2015

- * **April 12 - Buckridge Burn Hike Pine Grove Furnace S.P.**
POC: Dick Goodman, WA3USG wa3usg@verizon.net
- * **April TBD - TMI Drill**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **April 26 - The Ironmasters Hike series at Pine Grove Furnace S.P.**
POC: Dick Goodman, WA3USG wa3usg@verizon.net
- * **April 26 - March of Dimes March for Babies**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **May 3 - York MS Walk**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **June 27 & 28 - PA Hope Ride for Cancer**
POC: Marty Gutekunst, KB3BAA mpgutekunst@comcast.net
- * **July 25 & 26 - MS Bike Tour Gettysburg**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **September 12 - KTA Superhike**
POC: Ken Wiggins, N2DYK n2dyk1940@yahoo.com
- * **September 20 - Three Creek Century Bike Tour**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **October 18 - Hershey Half marathon**
POC: Marty Gutekunst, KB3BAA mpgutekunst@comcast.net
- * **October TBD - Michaux Team Challenge**
POC: Dan Mcglothlin, KB3MUN kb3mun@mcglothlin.us
- * **TBD - Jingle Bell Run**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **December 24 - Glen Rock Carolers**
POC: Stan Walters, AB3EM abacuspc@comcast.net

The **Bob Potts Marathon** was organized by Sean Potts and Robin Potts Myers in memory of their father. For six years it raised money for the Bob Potts Scholarship fund which funds two \$1,000 scholarships for York County cross country runners each year. The race has been a great success. However, organizing the event has been a lot of work. For this reason Bob and Robyn and their board have decided that **there will be no more races.**

Because the race has been such a success the scholarship fund is expected to remain viable for many more years.

This year we are also considering holding an "Amateur Radio Adventure Day" for the Cub/Boy Scouts. This would most likely be held at a State Park or private facility. The scouts would take part in various Amateur Radio activities and be able to get their Radio Merit Badge. More details to come.

The Presidents Corner

Submitted by Mile Stackpoole, N3VQH

First I'd like to Thank Dick WA3USG for another term as president and Linda KB3EBV for her many many years as Treasurer. A big thank you for all his help to our outgoing trustee Thierry KB3TPX. I believe things are shaping up for this to be a busy year at the club. We have quite a few projects already in progress and plenty more to come. I look forward to working with everyone to complete these projects and have some fun on the airwaves!
73 for now from Mike N3VQH

How in the Heck do I set up LOTW?

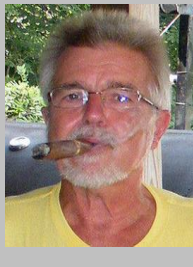
Submitted by Mile Stackpoole, N3VQH

A few members have asked how do I get started with Logbook of the World (LOTW)? Some asking for a class/tech night, I think I have a solution to get you started. There is a free internet TV show called HamNation which is available at the following link: twit.tv/show/ham-nation/ Go there and look up episode 167 where starting at time 29:30 in the show Val, the shows DX Goddess starts a series on how to setup LOTW. She continues with it on episode 171 at 43:30 and then finishes on episode 173 starting at 31:40. Yup its so user friendly to setup it only took 3 episodes to show how (sarcasm). While I did setup the clubs LOTW I am by no means an expert but these steps should help. Its a little easier to use once setup with your computer logging program. So get setup and start bringing in the awards. **Mike ... A DX Goddess ???? ... don't tell Dan.**

Trustee's Report



Tim, W3TWB



Dick, WA3USG



Jeff, KB3RCT

The club is ready for Winter. All of the antennas are working. Over the course of the nasty weather, we will be inventorying the equipment in the shed and making improvements to the inside of the club house ... and of course ... **HAPPY NEW YEAR !**

KEYSTONE 2015 HOLIDAY PARTY

Date: Jan 31, 2015

Cocktails (wine/beer/sodas) start at 5 PM

Dinner at 6:00 PM

Where: Fairview Fire Hall, 340 Lewisberry Road, New Cumberland, PA right off of Route 83 at exit 39A, turn right off the exit.

Menu: Turkey, Ham, Mashed Potatoes, Veggies.

Price: \$10.00 per person

To register, e-mail Sandy Goodman at "slgoodman1@verizon.net", with the number attending, OR sign-up at the December or January Club meeting.

Checks may be made out to "The Keystone VHF Club" . You may pay at the Keystone meeting, at the party, or mail a check to:

Sandra Goodman
199 Maple Lane
Mechanicsburg, PA. 17055

The VHF Transmitter

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199 Maple Lane
Mechanicsburg, Pa.



Ray Shaub, W3AXC
60 Year Licensed Ham
60 Year KVHFC Club Member!!

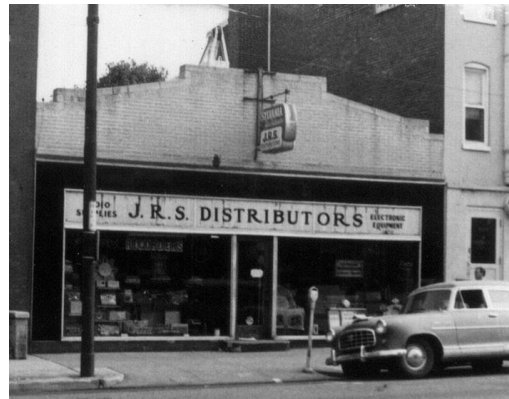
Each new year when I hang the new calendar I think "another year as a HAM" because I was originally licensed in January. This year seemed special when I subtracted 1955 from 2015 I realized this is my 60th year as a HAM.

My license WN3AXC/ W3AXC came on the first day of the ARRL January VHF contest. I got on the air with a Gonset Communicator and a 32 element antenna. I was working at JRS Distributors (see picture below) and I used the display Gonset and the antenna on the roof. All the local HAMs wanted to work" this new guy with an "A" call. Up until 1955 the only calls in the 3rd call district were "W s" and the FCC was running out of letters. They were into the "Z" s and had not issued "K" calls yet. "A" calls had not been issued since about 1929. How I got an "A" call is another story. Maybe some time later I'll tell that one.

I was a Technician for half of my life as a ham, in 29 years. I never upgraded till 1984. I was an experimenter and was not interested in W.A.S., W.A.C or any other operating awards. It was not until my best friend also a HAM moved to Florida that I needed a General ticket to talk to him so I upgraded and a few months later when back to Baltimore and got the Advanced ticket. When they reduced the code speed to 5WPM I took the Amateur Extra exam and got the Extra in 2000.

I only wanted the extra so I could give VE tests for all classes. I had been giving Novice and Technician tests with my Advanced class license. I held more than 50 sessions as an ARRL VE before I switched our VE team over to the Laurel group VEC.

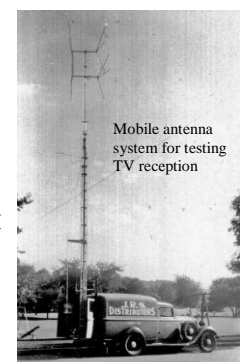
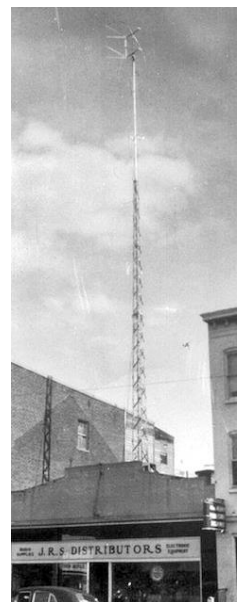
Check out the "History" section of the clubs website. Ray has written up the first 20 or so years of the club in great detail. Some excerpts from this are given in the paragraphs below.



Sometime during the Fall of 1955 as I remember, the word was passed around that there was a new club being formed and there would be a meeting of interested parties at the home of Art Hafer W3OCI. So on an evening in November 1955 (the date of which escapes me) , but I believe it was late in the month we met at Art Hafer's house in the basement to see how many were interested in forming a new VHF club. Art's house was in Haines Acres, a new housing development at that time. Those in attendance were the local pioneers of the VHF bands and a handful of new hams like myself. I can't remember all that were in attendance, I can tell you we all had W3 calls because the FCC hadn't started to issue K3 calls. Some of us had re-issued calls. The FCC had started through the alphabet the second time to issue old vacated calls. In attendance were:

Ray Shaub, W3AXC
John Shaffer W3SST
Geary Russell W3OWW
Bill Barefoot W3UQJ
Chalmers Shaffer W3ZNN
Guy Clipinger W3CR
Dave Germeyer W3BJG

Art Hafer W3OCI ?
Bob Holtzapple W3QFM
George Gable W3EDO
Stan Winter W3HFG
Charlie Guise WN3CGG
Dale Rahe W3AJD



How to Dress for Winter Survival

Submitted by Jack Dellinger, KC3JD

Going out in the wintertime can be dangerous, even when things are normal and you're living at home. The cold winter weather can quickly sap your body's heat, bringing you to the brink of hypothermia without notice. The one defense we have against the risks of cold weather is dressing properly to prevent the cold from winning the battle.

How the Body Heats Itself

Before talking about clothing, I want to make sure we understand how the human body heats itself. Our clothing doesn't do a thing to generate heat, it merely acts as an insulator to keep that heat inside our bodies, rather than radiating it into the cold air around us.

The body's heat comes from the chemical reactions involved in breaking down food into energy and then using that energy. The heat produced is actually a by-product of the chemical reaction, albeit a by-product that we need. Glucose is considered by many to be the molecule that cells use for energy, but in fact, glucose breaks down into 38 molecules of Adenosine Tri-Phosphate (ATP), which is the molecule that cells use for energy. It is the process of breaking glucose down to ATP which provides most of our body's heat.

Each and every chemical reaction in the body produces heat. The liver, which performs more chemical reactions than any other organ, can be seen as the body's heater. Blood actually leaves the liver warmer than it enters it. However, the liver isn't the only heater, each and every muscle and organ performs chemical reactions, causing them to generate heat.

The most consistent source of heat in our bodies is from the body's core. The organs in our body cavity work, regardless of whether we are exercising or are at rest. Muscles, on the other hand, only produce heat when they are active. Shivering is merely a means of forcing the muscles to work, so that they will generate heat.

Heat is moved through the body by the blood. As the blood passes from the core to the extremities, it carries heat with it. If there is not enough heat, this blood flow is restricted, so that the core can maintain its temperature.

Dressing for Warmth

Many people dress in the winter by putting on the heaviest clothing they can, hoping to keep warm. In reality, that may not work. One problem with piling on the heavy coats is that it can make you too warm, causing you to sweat. You never want to be sweating in the winter, as the sweat can turn to ice, pulling out your body's heat.

The human body's normal temperature is 98.6°F. So, if you manage to insulate yourself perfectly, it's going to be like being outside on a 98.6 degree day. What does your body do on such a day? It sweats. Obviously, your insulation job has to be less than perfect, so that your body can get rid of excess heat and not get hot enough to sweat.

It's actually more effective to dress in layers, than to dress in one heavy garment. That way, if you find yourself getting warm, you can remove a layer, adjusting your clothing to keep you comfortable, without keeping you too warm. Ideally, you want to be just a touch cool, rather than being warm.

Dressing Your Core

The most important part of your body to dress in layers is your core. You're best off starting with a foundation of a shirt which will wick moisture away from your body. Some athletic wear is designed specifically for this, but other than that, it's hard to find.

Your next layer should be a long-sleeve sweater, preferably out of wool. Most of the time when doing physical activity outdoors, a good sweater is enough to keep you warm. Wool repels water and can actually insulate when wet; the only material that does.

Over the wool sweater you should have a coat. It's a good idea to have a selection of coats to choose from, so that you can pick one that is appropriate for the temperature. Even if your sweater will be enough for while you are working outside, you should wear a coat for the time going to and returning from that work. Having the coat with you is also a good precaution in case the temperature should drop suddenly.

Any coat you buy for use in the wintertime should be water repellant. You really don't want it to be waterproof, as that will make you sweat when you are wearing it. The best insulation for coats is down or polyester fiberfill. Unfortunately, both of those will absorb water readily. Once wet, they will make you lose your body heat considerably faster than being naked. A water repellant covering will prevent that problem.

Dressing Your Legs

The most common pants that I see people wearing out in the cold is blue jeans, which are made of cotton. That means that they don't resist water at all, but rather, they absorb it quite well. If you are going to wear blue jeans, then you should wear something that is water repellant over them.

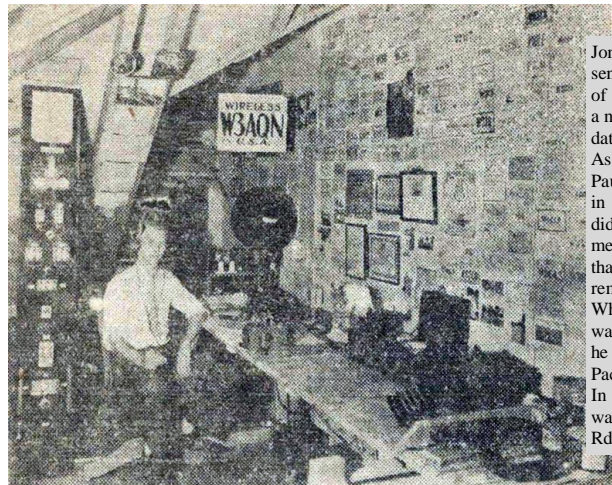
There are actual snow pants available on the market, for about the price of a good pair of blue jeans. These are insulated, and have a water repellant nylon covering, which makes them ideal for being out in the cold and snow. However, they may be too warm for wearing out in the snow if you are working. The leg muscles are the body's largest and can produce a lot of heat. If you are going to be working outdoors, you're better off with wool pants.

Dressing the Rest

A hat is the most important single article of clothing you wear when going outdoors in the cold. One-fourth of the body's blood supply goes to the brain. If your head is uncovered, you will lose a lot of heat. A good hat needs to provide insulation to the head, as well as covering the ears to protect them from the cold. The best hats are actually the fur hats, called Ushanka, they wear in Russia.

Good warm boots are an important part of dressing for winter weather. Your feet are the part of your body which will become cold the easiest, as well as being the part which your body restricts blood flow to, in the case of hypothermia. Wearing good warm boots, with wool socks will help prevent any risk of frostbitten toes.

The last thing you need to consider is gloves. After your toes, the next place that your body restricts blood flow to in the case of hypothermia is your fingers. If you are not doing work that requires fine motor skills, mittens will keep your hands much warmer than gloves will. Having all the fingers share the same space allows them to share heat as well, keeping them warmer.



Jon Abbot, KB3IGH sent me this picture of Paul Stumpf from a newspaper clipping dated Sept 18, 1931. As far as I can tell, Paul joined our club in 1976 and possibly did not renew his membership after that. Does anyone remember him? When this picture was taken in 1931, he lived on 332 Pacific Ave, York. In 1976, his address was 2613 Crestview Rd.



**Keystone VHF Club
General Meeting Minutes of
October 2, 2014**
By Sandy Goodman, N3ECF – Secretary

The General Club Meeting held at York County Emergency Management Center was called to order by Pres. Dick WA3USG at 19:05. There were 31 members present and 1 applicant (Ed Tabor, KB3WQI), and 1 student (Dean Poff).

GENERAL DISCUSSION:

Brad, KO3T, talked about the CQ 17m DX Challenge. See the newsletter for details. Contact Brad at KO3T@arrl.net if interested so he can build a distribution for participants.

Mike, N3VQH, talked about doing a DX night, primarily HF, to work contests or special events. The first one will be Saturday, December 13 for the 10 meter contest, starting at 3 PM. He hopes to hold these once a month, on other than the Thursday tech nights.

Dick, WA3USG, mentioned club projects that will be attempted to help new members, especially new HAMs. Bob, N3NBT, has an article from CQ magazine about a kit to build an antenna analyzer. Contact Dick or Bob for a copy of the article. Chip, W3FJD, mentioned a kit for the WSPR transmitter and GPS module.

Dick reminded us about the 40 to 50 computers that came from York County EMA. They are about 5 to 8 years old and have about a 50% mortality rate. These are available for members to use for digital operations. We're asking for help to load LINUX and the digital software.

The Holiday Party committee is asking for volunteers to assist. A meeting will be scheduled soon.

Rather than a special training for the AED, Skip from CPR-NOW will do another presentation at the next meeting, January 8th.

SECRETARY REPORT: Sandy, N3ECF. Steve, WB3EFA, moved to accept the November minutes with corrections provided by Rich, KR3EE. Joe, KB3TCM, seconded the motion. Motion carried.

TREASURER REPORT: Linda, KB3EBV, reported for November: Income: \$325.00; Expenses: \$354.37; for decrease of \$29.37.

Balances: Club CD \$7,626.11; Checking Acct \$4,505.70; Trustee Acct \$570.24; Total \$12,702.05. It was noted that the rent came in late to it wasn't deposited until December. Steve, WB3EFA, moved to accept the report; 2nd by Ray, W3AXC. Motion carried.

COMMITTEE REPORTS:

TRUSTEE REPORT – all okay.

TECHNICAL COMMITTEE REPORT -

Antennas are up, rotor is working except for the MFJ box. Chris and Kevin are working on the new controller tonight, even as we meet.

EMCOMM/PUBLIC SERVICE NEWS –

Stan, AB3EM, is still looking for volunteers to assist with the Glen Rock Christmas Caroling on December 24. Rich, KR3EE, is looking for 2 or 3 new NET Operators for the Monday Night Combined NET

VE/ED REPORT -

Steve, WB3EFA, reported that 4 passed the last exam. Nate, WN3I, advised that there will be 2 final sessions for the Technician class. Those students who haven't already tested will take the exam in Shrewsbury. He is getting a request for a General Class, which won't be held until AFTER the winter weather.

CONTEST REPORT -

December 13 is the 10M contest.

Jan 24-26 is the VHF contest.

The North American QSO contest is the 1st and 3rd weekends of January. That's good practice for someone new to contesting. It has a simple exchange of name, state, signal report.

The contest group is considering building a mini-club team of up to 5 operators who can operate from home, but accumulate the score by combining with the team members.

NEWSLETTER/WEBSITE –

Everything is up to date. If anyone is NOT getting the newsletter via email, please contact Dick so he can verify your email address.

OLD BUSINESS:

Second reading was done for Brian Alpaugh, KC3DHW. He was then voted into membership.

If you helped at the JOTA, Jeff, KB3RCT, has momentos for you.

Elections for officers were held. There were no additional nominations from the floor. Brad, KO3T, moved to have the Secretary cast a vote for the ballot, seconded by Jack, KC3JD. The following are the 2015 officers: President, Mike Stackpoole, N3VQH; First Vice President, Joe Imgrund, KB3TCM; Second Vice President, Jack Dellinger, KC3JD; Treasurer, Dan Melato, KB3JSV; Assistant Treasurer, Linda Warner, KB3EBV; Secretary, Sandy Goodman, N3ECF, Assistant Secretary; Kathy Dellinger, KA3THC; and Trustee, Dick Goodman, WA3USG.

NEW BUSINESS:

The first reading was done for Ed Tabor, KB3WQI, who recently moved to Red Lion. Ed is a registered nurse .

The computer by the FT-920 has completely failed. The computers we're using were old when we got them 6 years ago. They aren't powerful enough to handle HRD. Dan, KB3JSV, and Mike, N3VQH, put together a plan for replacing all 3 computers: custom built machines, Western Digital hard drive, Intel machine, license for Windows 8, high quality board, and can be hooked up to the Big TV. Each computer costs \$800 for a total of \$2400. We can keep the monitors, keyboards, and mice that we have. Mike, N3VQH, moved to purchase 3 computers. Steve, WB3EFA, seconded the motion. Motion carried.

Good of the Club:

Walt, K3DQB, had an AFIB episode, with an irregular heartbeat. But he has no blockage and should be on the air soon. The Tuesday HF Net will remain in place on Tuesday nights. It's running good.

50-50 had \$21 won by Phil, K3JAW.

Silent Keys

Ron Sandhaus, K3SZY from Lititz (last active 1963)
Paul Stumpf, W3AQN from York (last active 1976)

** See picture on bottom of page 4 **

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
\$20.00 annually & one time \$5.00 Application fee

Family → Sponsoring members call: _____
Privileges same as Full membership
\$5.00 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

QCWA 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

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