



The VHF Transmitter



Keystone VHF Club, Inc.

W3HZU

Founded 1955 – York, PA

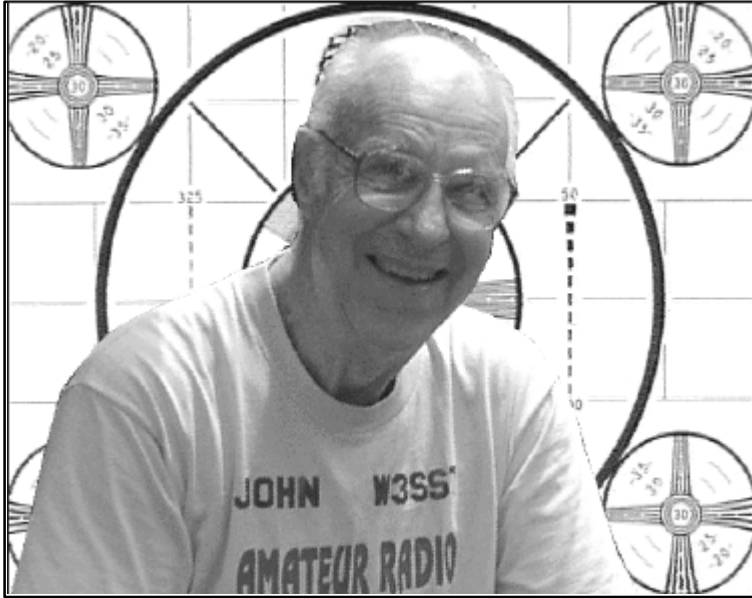
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January-February, 2014

John Shaffer, W3SST Founder of the Keystone VHF Club

By Ray Shaub, W3AXC



Over the past 8 or 9 years, since John has moved to Ohio several club members knowing that John Shaffer W3SST and I are close friends have asked me about his well being. I always told what I knew from the monthly phone calls from his XYL to my XYL. John's health has been constantly deteriorating over the last 3 or 4 years. On Tuesday evening of last week we got the message that John was terminal his kidneys are failing and so is his heart. John sent an email to a couple of ham friends last Saturday about his condition. So this is not news to them. I'm sure that many club members are asking " who is John Shaffer. Well I'll tell you.

The Keystone VHF club is John's club if it were not for John's passion for VHF there would have never been a Keystone VHF club. John and 2 other Hams Clair (Bob) Holtzapple W3QFM sk and Art Hafer W3OCI sk rounded up about 10 other VHFers in 1955 and formed the club. But the club was John's idea. Back in 1955 there were not many hams in the area on the VHF bands. The first requirement for membership in the club was you had to be active on a VHF band.

You can read my recollection of our very first meeting in the history section of the Club's website <http://www.w3hzu.com>. John is the "George Washington " of our club. He was our first president and the first person elected as a life member. If you would like to communicate with John his email is w3sst@juno.com.

Comments from Dick Goodman, WA3USG ...

I met John for the first time over 31 years ago. I remember walking into the clubhouse in the Winter of 1982. John was talking with Ray Shaub, W3AXC and Frank Bair, K3GDI. We started talking about Amateur Television (ATV). I had built my first video transmitter back in 1976. It was a modified Motorola T-44 transmitter strip, generally used in taxicabs for communications. John was also into ATV and had built similar equipment. Back then to transmit and receive real television signals was in the realm of pure magic! It was all back & white because back then, there were no color video cameras under about \$10,000! These were the most memorable years I've ever had in Amateur radio. John was a kindred spirit, we both thought that watching a fellow hams snowy image flickering in & out on an old B&W TV set was a miracle! This was a time of experimentation and simply a lot of fun. We really got a lot of things to work and many times we scratched our heads and wondered why it was working. There will never be days like that again.

Club Members Hold Licensing Classes

I believe that it was at the beginning of our November meeting at the York County EOC when we asked if there are any guests. About 8 folks stood up and introduced themselves. Not only were they guests but most of them didn't have their Ham Tickets.

This scenario has been occurring more frequently in all of the area clubs. We are also seeing it in the South Mountain Radio Amateurs up in Cumberland County. Well, Nate Kirschman, WN3I and Walt Bilous, K3DQB decided to do something about it. They started a formal ARRL licensing class to run approximately 8 weeks, one night a week, in the training room at the York County EOC.



The students in this class ranged in age from approximately 10 years to 80 years old and they seemed unusually motivated. Nate (left) and Walt (right) decided to use the ARRL format and enhanced it with some teaching aids that they provided themselves.

For example Nate & Walt utilized a computer based Oscilloscope and a special signal generator board to teach the students the concept of RF modulation. They are attempting to take the course from basic memorization to actually learning and understanding these concepts.



Attendance has been very good and the students seem to be very interested in actually learning about Ham Radio. I believe that some of the class has taken their tests and received their tickets even before the class has finished.

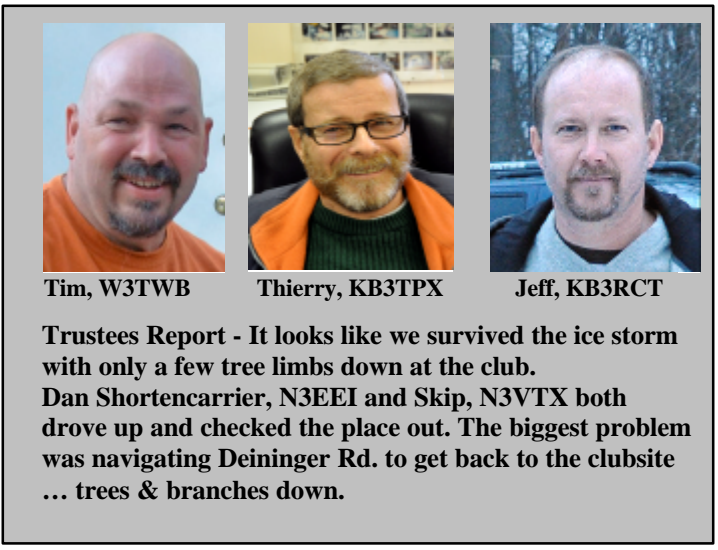
Unfortunately, the weather has not cooperated over the course of this Winter. Two of the sessions have had to be cancelled because of snow but enthusiasm seems to be high and the students are coming to the rescheduled sessions. Hopefully this teaching method will result in new Hams who are motivated to become very interested in furthering their knowledge of this wonderful hobby. **Way to go Nate & Walt !**

NEXT MEETING

Thursday, February 6, (today!) at the York County EOC
on Davies Road

Scheduled Club P.S. Events for 2014

- * **March 29 - YARS Spring Functional Exercise at the County EOC**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **April 5 - Full YARS Spring Exercise in the field**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **April 6 - Buckridge Burn Hike Pine Grove Furnace S.P.**
POC: Dick Goodman, WA3USG wa3usg@verizon.net
- * **April 8 & 9 - Peach Bottom Drill**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **April 27 - The Ironmasters Hike series at Pine Grove Furnace S.P.**
POC: Dick Goodman, WA3USG wa3usg@verizon.net
- * **April 27 - March of Dimes March for Babies**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **May 4 - York MS Walk**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **May 25 - Bob Potts Marathon**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **June 28 & 29 - PA Hope Ride for Cancer**
POC: Marty Gutekunst, KB3BAA mpgutekunst@comcast.net
- * **July 13 to 20 - CAN-AM Police Fire Games**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **July 26 & 27 - MS Bike Tour Gettysburg**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **September 6 - KTA Superhike**
POC: Ken Wiggins, N2DYK n2dyk1940@yahoo.com
- * **September 20 - Three Creek Century Bike Tour**
POC: Sandy Goodman, N3ECF slgoodman@verizon.net
- * **October 19 - Hershey Half marathon**
POC: Marty Gutekunst, KB3BAA mpgutekunst@comcast.net
- * **October 26 - Michaux Team Challenge**
POC: Dan Mcglothin, KB3MUN kb3mun@mcglothin.us
- * **December 7 - Jingle Bell Run**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **December 24 - Glen Rock Carolers**
POC: Stan Walters, AB3EM abacuspc@comcast.net



Tim, W3TWB Thierry, KB3TPX Jeff, KB3RCT

Trustees Report - It looks like we survived the ice storm with only a few tree limbs down at the club. Dan Shortencarrier, N3EEI and Skip, N3VTX both drove up and checked the place out. The biggest problem was navigating Deiningner Rd. to get back to the clubsite ... trees & branches down.

What's a Repeaterism?

A Repeaterism is an audio track (likely originally recorded on a cart machine) of a professional sounding radio gentleman giving a narration of good repeater operating practice/procedure. The gentleman was Bill Hamilton, not known to actually be a ham. While these are not actually set in stone, they are a good operating guide as to what the proper operating protocol through any amateur repeater is.

Copy & paste the link below into your web browser. You can click on any of the entries under "Downloadable file" to listen to them. These have been around for over 30 years.

<http://www.w8bapdstar.info/library/repeaterisms/Repeaterisms.htm>

Downloadable file	Size (bytes)	Topic:
rptism01.wav	318,920	Short transmissions
rptism02.wav	308,610	Think before PTT
rptism03.wav	389,444	Pause between conversation handovers
rptism05.wav	342,384	Be Courteous
rptism06.wav	259,410	Use simplex when possible
rptism07.wav	378,084	Use low power when possible
rptism08.wav	403,536	Support your local repeater club
rptism09.wav	319,866	Butting in is not nice
rptism10.wav	230,848	Blessed are those who listen
rptism11.wav	581,892	Watch what you say
rptism12.wav	302,698	One thought per transmission
rptism13.wav	424,964	State your purpose
rptism14.wav	275,608	When testing, say so, and be brief
rptism15.wav	352,278	ID your station
rptism16.wav	959,116	Certain words...

NCS SCHEDULE FOR YORK COUNTY NET

NCS	CALL	2014 DATES			
		Jan 06	Apr 07	Jul 07	Oct 06
Walt	K3DQB	Jan 06	Apr 07	Jul 07	Oct 06
Micah	KB3TGY	Jan 13	Apr 14	Jul 14	Oct 13
Jon	KB3IGH	Jan 20	Apr 21	Jul 21	Oct 20
Lorna	KB3SST	Jan 27	Apr 28	Jul 28	Oct 27
Ralph	K3HQI	Feb 03	May 05	Aug 04	Nov 03
Tom	KB3ETG	Feb 10	May 12	Aug 11	Nov 10
Fran	WA3GYW	Feb 17	May 19	Aug 18	Nov 17
Jack	KC3JD	Feb 24	May 26	Aug 25	Nov 25
Dick	WA3USG	Mar 03	Jun 02	Sep 01	Dec 01
Stan	AB3EM	Mar 10	Jun 09	Sep 08	Dec 08
Rich	KR3EE	Mar 17	Jun 16	Sep 15	Dec 15
Nate	WN3I	Mar 24	Jun 23	Sep 22	Dec 22
Sandy	N3ECF	Mar 31	Jun 30	Sep 29	Dec 29

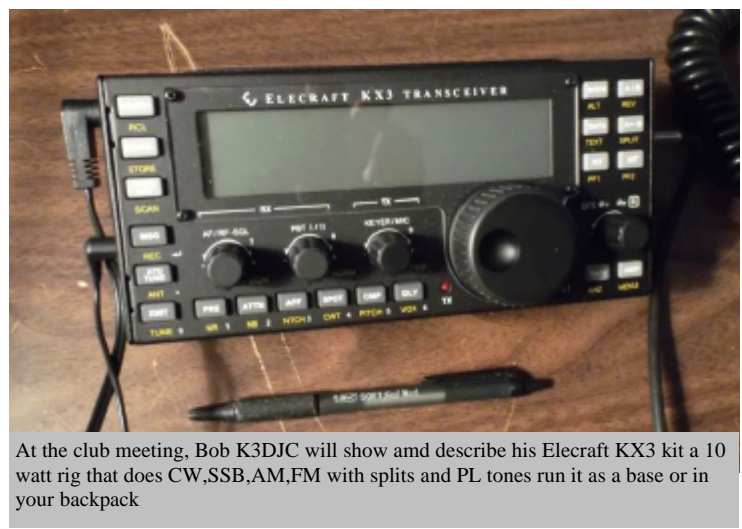
YORK NET -- NET report instructions

When Rich, KR3EE, does not check in; send him a net report. The report should include the start and end time of the net, the total number of stations and stations providing traffic, plus any station providing training, its length and subject (i.e. N3ECF provided 10 minutes training on traffic pro-signs.)

List the suffix of all the stations checking in; if they brought traffic add "/T".

example:

Net report for 2/19/2009
 Start Time 08:30 End Time 08:52 minutes 22
 Stations 23 Traffic 4 no training
 A, BQB, CW, DQB, ECF,
 EE, EM/T, END, ETG, FJD/T,
 FTD, HNA, JIM, NBT, OFE/T,
 OYL, PHW/T, RBT, UQJ, USG,
 Z, SCY, JMX



At the club meeting, Bob K3DJC will show and describe his Elecraft KX3 kit a 10 watt rig that does CW,SSB,AM,FM with splits and PL tones run it as a base or in your backpack

FOR SALE/WANTED

THE N3NBT ANTENNA COMPONENT BONANZA!!!

- ** G5RV antenna used, but in good condition \$25.00
- ** G5RV antenna never in the air \$30.00
- ** 2 Hamstick type antennas 40 meters like new \$20.00 ea
- ** 2 Hamstick type antennas 75 meters like new \$20.00 ea
- ** Homemade bracket for using Hamstick antennas as rotatable Dipole w/ all hardware including "U" bolt for mast mounting \$12.00
- ** 11 Nine inch aluminum tent stakes \$10.00 for lot
- ** 10 Twelve inch aluminum tent stakes \$15.00 for lot
- ** 2 Fifty foot coils of mini 8 coax W PL259 connectors on both ends \$12.00 ea
- ** Government surplus aluminum folding shovel \$ 5.00
- ** 10 Reinforced fiberglass 4' mast sections \$ 2.00 ea
- ** Top section of mast w/ pulley and rope to raise antenna to a maximum of 32 feet \$ 6.00

If interested in any of these items, contact Bob Gundlach, N3NBT at n3nbt@comcast.net or phone 717-757-3133. **Act now, demand will be enormous!!**



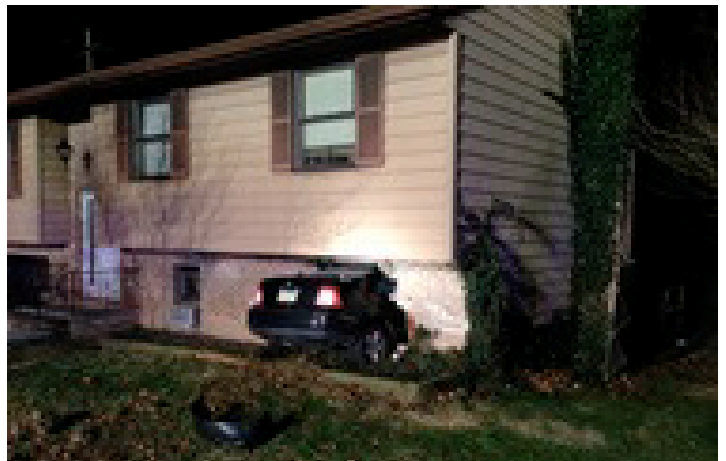
Recently Tim Snook, KB3WZX added a new addition to his shack. It is an MFJ Versa Tuner II. Tim is using one of the off center fed dipoles. While they have extensive frequency coverage, they also have high ripple ... something in common will just about all wide band antennas. With this type of antenna you can have several high SWR points on any band. If you happen to want to work someone exactly on one of those frequencies, you may find that you don't seem to be getting out. What's happening is that your rig is going into SWR foldback to protect itself. A tuner like this is the cure for the disease! The SWR will cause very little loss but now your rig will output full power.



The new & improved Shack of Dan Melato, KB3JSV

Dan has recently become very active in quite a few modes. EasyPal (digital SSTV), MMSSTV (analog SSTV), JT-65, JT-9 and PSK-31. Dan has also just discovered the advantages of some old technology ... the old linear power supplies may not be as efficient as the newer switching type but they are a LOT quieter!

Ron Small, WB2OOB Suffers Home Damage in Lancaster



Ron Small, WB2OOB is very active in the Mid State Search and Rescue (MIDSARS) organization. Among the myriad of events that Ron is involved in, is running the Net Control station for the KTA Super Hike held in Lancaster County. He is also a member of our club. Over the last several months he has been fighting a serious knee infection. Ron's words are below!

Sunday evening my house got remodeled by a drinking, drunk distracted driver. I need to contact police tomorrow. This is what I do know.

She admitted to drinking and was looking at a map when she drove through the intersection, crossed the yard, and struck the house. She was taken into police custody in handcuffs.

My housemates are very shaken up but otherwise Ok. Below is the news article and photo is attached:

Two men were unhurt after a vehicle crashed into the living room of their Lancaster Township home Sunday evening. The two were sitting in chairs against a front wall of the home at 140 Second Lock Road, when the Volkswagen Jetta broke through just before 6:45 p.m. A fire official said the vehicle "kind of came in over top of them." He called the men, "Really, really lucky." Manheim Township police were investigating the cause of the crash Sunday night.

Ron Small, WB2OOB

The VHF Transmitter

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Editor: Dick Goodman, WA3USG

ADDRESS LETTERS TO THE EDITOR and ARTICLES TO

DICK GOODMAN, WA3USG Voice: (717) 697-2353
199 MAPLE LANE e-mail:
MECHANICSBURG, PA 17055 wa3usg@verizon.net

Website: <http://www.w3hzu.com>

Distribution only via the Internet by WA3USG

To change your
address for the
Newsletter, contact:

Dick Goodman, WA3USG
199 Maple Lane
Mechanicsburg, Pa.

Schedule of Keystone VHF Club Sponsored VE Testing for 2014

Laurel VE Group Testing sponsored by Keystone VHF Club are held the second Saturday of the odd months. All tests are at 10 AM, pre-registration is appreciated except 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:

To be added

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, and operates SSB.*

The Keystone VHF Club Digital Net on **Tuesday at 8 PM** on the York 146.97 Repeater.

The Digital Familiarization Net on **Wednesday at 8 PM** on the SMRA 145.43 Repeater.

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 a frequency of 146.55 MHz.

The South Central PA 10 Meter Net **Friday at 8 PM** on 28.495 MHz USB WLO Marine Radio in Mobile AL has begun broadcasting a RTTY news service on 8473 kHz. It appears to run continuously. They alternate between 45 Baud Baudot and SITOR Mode-B FEC ("AMTOR" to we hams). Its kind of fun to copy, and a good way to test out your RTTY setup.

** 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



Skip, N3VTX drove up to the clubsite on Wednesday evening to check for damage from the ice storm. We got lucky but here's what some of our antennas looked like. The masts have been close to 1/3 to 1/2 inch of ice on everything.

AAR Arthritis Foundation Jingle Bell 5K Run Recap

We had sixteen Hams participating with the 5K. We had two more that couldn't get there due to the snow. Joel K3SUN tried three different ways to get out of Hanover. I told him it was not worth anymore effort, his safety certainly came before the run. One of our new Hams John KC3BOJ couldn't get out of Red Lion, he tried for about an hour.

Sandy N3ECF, Kathy KA3THC and Scott KC3BKY operated Net Control from my Windstar. They did an outstanding job. Simplex coverage of the entire route from the Woman's Imaging Parking Lot is perfect. Operators were able to use their HT's from all locations. The 146.970 repeater coverage (by HT) is not consistent over the route. We used a dual band J-pole antenna on a camera pod, on the roof of the vehicle but a normal roof mount antenna worked just as well during simplex testing.

Adapt and overcome. We certainly had to do that. Didn't expect the snow to start so early. All our operators made the best of the situation, responded to their operating positions and gave timely reports on run progress. We did move a couple operators around to cover the areas where our missing operators were to be stationed and to cover some additional operations the Run Director asked us to cover. There was one incident of a runner falling and getting a bloody nose. NCS and operators along the route made sure that the runner could continue and even gave her some tissues for her nose.

Since we had three operators working NCS, I free floated around the parking lot and kept in contact with Run Directors, Ambulance and Ham operators in the vicinity of the Event Tent. Our new Hams Scott KB3BKY and Jeff KB3BKX joined in and gave several reports on the air. Scott really jumped in at NCS..

The run took about 1 1/2 hours for everyone to finish. No real injuries which is surprising due to the snow. We had about 3 inches before the run started. Even with the snow the run only started about five minutes late. I am not sure what the runner count was. I am sure they didn't have the 800 to 1000 expected but there were several hundred. The First Runner completed the run in nineteen minutes.

The Arthritis Foundation people were very happy with the work the Hams did. I am sure we will be invited back next year. Now we have a late fall/winter event to work.

Suggestions for next year:

Shuttle operators to positions where parking on hard surfaces isn't feasible. Add mileage markers to the route map. As this is a December event, expect cold weather and dress appropriately. Find a way to protect your HT from the rain/snow/cold. Make sure you have extra gloves and socks. 'Hothands-2' are a great idea for putting in your gloves to keep hands warm. Ball point pens don't work in the cold. Use felt tip pens or pencils to write. Small notebook to take notes etc.

Add a first aid kit to your personal list of equipment to carry. This would only be used for very minor problems. Contact Ambulance/EMT's for all other medical problems. Station someone close to the Ambulance/EMT's to keep them informed about status of the run. Ham Communications Director should be able to free float around the event.



Quite a few of the runners lost their footing at this event. Especially going down a couple of the slippery hills! Fortunately no one was seriously hurt only their pride! The runners were timed at this event but no records were broken!

The Keystone VHF Club Annual Holiday Party Recap



On Saturday, January 25th we held our Holiday Banquet at the Fairview Township Firehall. We had 56 people in attendance and I don't believe that anyone went home hungry. Again this year, we had an absolutely outstanding gang that organized and ran this event!

Chris & Lorrie Shover - For getting us the facility, going shopping for most of the stuff, *making and donating a gift basket*, cooking a Turkey & a Ham, setting up, cleaning up, and helping us drink the rest of the wine!

Cameron & Debra Bailey - For making Mac & Cheese, the Broccoli Casarole, working in the kitchen, *making and donating a gift basket for the women*, *donating a really macho gift basket with a power drill for us men*, setting up, and cleaning up.

Jack & Kathy Dellinger - For cooking a Turkey, making the stuffing balls, setting up, working in the kitchen, cleaning up, and for Kathy being well this year!

Joe Imgrund - Cooking a Ham, setting up, cleaning up, helping in the kitchen

Jack Reed - Spent most of the evening cooking and organizing things in the kitchen

Dick & Sandy Goodman - Sandy kept track of the attendees sign-up via e-mail, did shopping with Lorrie, sold raffle tickets, and helped with setup & cleanup. Dick cooked a Turkey, and helped setup & cleanup. They also donated 2 Baofeng UV5R HT's to be raffled off.

Special thanks also goes out to **Larry Frey** for his donation of a AirBoss Antenna launcher for the raffle.

Many thanks also goes out to the folks who brought appetizers and deserts ... these really add to the flavor of this event ... **thank you!**



Here's the gang doing almost what they do the best!! We are a food club with a radio problem!

During the entire evening, we projected over 500 pictures going back to when the club was founded back in the mid 50's We also added some pictures from some of our most recent events. We did the same thing for the 2013 banquet. Last year the slideshow consisted of about 250 images ... we added 250 new images this year. Looking at our attendance list, virtually every person had their picture up on the screen over 5 times. If anyone would like a copy of this, please drop me an e-mail. It is about 250 Meg in size and it also includes a toe tapping music track that runs about 2 hours. I can get it to you on a CD.



One of the highlights of the banquet was when we drew the raffle winners. Lorrie Shover, won the AirBoss antenna launcher! Her OM, Chris tried to get her to not accept it but no way! Chris better be on his toes ... I'm sure the Antenna launcher could pack a real wallop (and it would sting too). Greg Hagens, KE3CW won one of the Baofeng UV5R's and Nate Kirschman, WN3I won the other one (I can bet that this will be given to one of his new students).

Continued on Page 6

The other "Amateur radio" oriented raffle prize was a toolbox with a Lithium Ion battery powered drill and a large quantity of chocolate! I am pleased to say that Sandy, N3ECF won this but her OM, Dick, WA3USG ate most of the chocolate & got the drill! Of the two more womanly oriented prizes, **Alan Frame, WB3FTD** won the little wooden centerpiece and Sandy Barefoot won the large "Hair styling" gift basket ... she will probably give this to her OM, **Tim, W3TWB!**



The 2014 Keystone VHF Club Banquet Committee

From left to right

Jack Reed, N3BBC - Kathy Dellinger, KA3THC - Chris Shover, KB3TWW
 Jack Dellinger, KC3JD - Joe Imgrund, KB3TCM - Lorrie Shover, KB3ZLO
 Debbie Bailey, N3NBW - Cameron Bailey, KT3A

Raffle Girl - Sandy, N3ECF



There just has to be a good caption for this!

WANTED

Someone who would like to join N3NBT, KC3JD and K3GWK for several exciting days at Dayton Hamvention.

Hamvention runs from May 16 thru 18, 2014.

Plans are to leave York on Thursday May 15 bound for Springboro, Ohio where we would be staying for 3 nights.

Springboro is along I 75, south of Dayton, and an easy commute to Hamvention

N3NBT and KC3JD would be leaving from York, and K3GWK would be coming from his home in Georgia and meeting us in Springboro.

Your expenses would include a share of the transportation costs, 1/2 the cost of 3 nights lodging in a room with one of the others going, admission to Hamvention, meals and whatever you find there that you must have.

If you are interested, or would like more information please contact me.

Robert H. Gundlach N3NBT

2829 Glen Hollow Dr.

York, PA 17406-9706

N3nbt@comcast.net

(h) 717-757-3133

(c) 717-309-7159

The York ARES-RACES-Skywarn (YARS) Spring Event

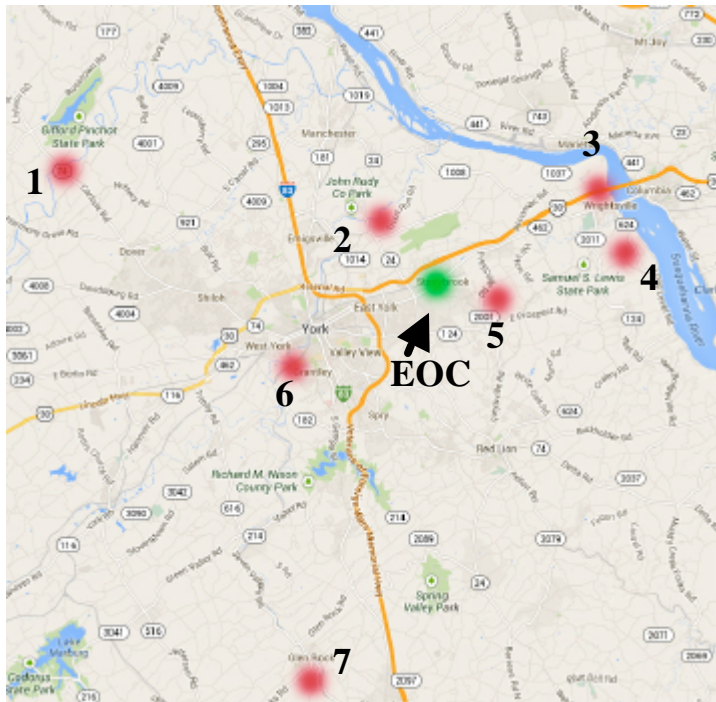
By Dick Goodman, WA3USG

At the last two YARS meetings, we discussed holding an event to highlight Amateur Radio support to the county in an EmComm environment. For many years, we have provided support during drills involving TMI, Peach Bottom, chemical spills, and weather events. This would be a drill that would demonstrate our ability to provide communications during an event which could be realistically expected to happen in this area.

York county and the surrounding countryside is rife with a myriad of rivers, creeks, and streams that could flood and cause major property damage and loss of life during a severe weather event. YARS members have suggested to York County officials that we organize and stage an exercise to simulate this.

While the exact scenario has not yet been fully defined, the exercise could begin with two wide area low pressure systems merging north of York County and then stalling. Rainfall amounts exceeding 6 inches over the course of 2 hours would cause all the smaller streams and creeks to rapidly rise to flood stage. As the storm system gradually moves out to the east, an additional 6 inches of rain falls over the next day causing severe flooding from creeks and small streams and eventually causes the Susquehanna River to rise to above flood stage.

YARS and other organizations have called out a wide area Skywarn net. With the anticipation of major flooding, volunteers have been requested to report to seven sites which are vulnerable to flooding and report their status back to the York County EOC.



1. The Conewago Creek where it passes under Route 74 near Rossville.
2. The Springettsbury Waste Water Treatment Center (where the Codorus Creek runs).
3. Wrightsville overlooking the Susquehanna River with an eye on Chiques Creek (set up next to Long Level Rd.).
4. Highpoint Park - Overview of river. Highest point in the exercise. We will probably have a repeater here.
5. The Prince Mobile Home Park - The Kreutz Creek in Freysville. Note that the creek branches off into 3 tributaries here.
6. The Codorus Creek in York where it passes under South Richland Ave.
7. South branch of the Codorus Creek running through Glen Rock.

We will need YARS volunteers to man these seven sites and at least two volunteers at the EOC. As well as providing voice traffic back to county, we are planning to transmit slow scan images back to county from as many of these sites as possible.

1. The primary voice traffic channel will be on the Keystone VHF Clubs 146.97 repeater.
2. Sometime during the exercise, we intend to simulate a failure of the primary repeater and will shift to the secondary Keystone VHF club repeater (same frequency pair located atop Conewago Mountain near Dover).
3. We intend to hold a second net on 10 meter SSB depending on band conditions. The 10 meter transceivers will be provided by the county. We will need to provide antennas.
4. Slow scan television signals will be transmitted where possible on a 2 meter simplex frequency. The Keystone clubs 447.275 MHz 70 CM repeater may also be used for this.
5. Slow Scan will be transmitted where possible using "EasyPal." This application transmits high quality images comparable to 800 X 600 pixel JPG's. Time to send an image is about 120 seconds.
6. Where we do not have an adequate RF path for EasyPal, we will fall back to MMSSTV. This is an analog application that transmits lower quality images comparable to a 320 X 160 pixel JPG. Time to send an image can run from 24 seconds to 2 minutes.
7. As an experiment, we intend to set up a portable repeater at High Point Park. This may be used to relay voice traffic or SSTV back to the EOC as conditions dictate.
8. We will encourage home stations to monitor the exercise and if necessary, relay voice traffic and/or SSTV images back to county.

The goal of this exercise is to simulate reporting river/creek/stream levels and conditions to the York County EOC. Since these conditions would be representative of conditions in other low lying areas, this information could be used to help local government & emergency managers make decisions on what actions to take.

On Tuesday, February 4, a tabletop exercise was held at the York County EOC to make preliminary plans for this event. The Tabletop was moderated by Tom Graybill, KB3ETG of York County and YARS. In attendance from YARS was Jack Dellinger, KC3JD; Richard Goodman, WA3USG; Kip Glunt, WB3AFL, Alan Frame, WB3FTD, and Micah Neff, KB3TGY.

The time frame for this exercise is as follows:

- ** A functional exercise at the York County EOC - 29 March 2014
- ** A full, all seven site manned exercise (with county) - 5 April, 2014

During the functional exercise held at the York County EOC, all volunteers will operate from within the EOC. Stations representing the seven sites will be set up most likely in the training room. The NCS will be located in the RACES room. This will provide training for what can be expected in the field during the full exercise. We intend to activate the full exercise in April over the air, probably during the simulated Skywarn net.

Over the course of the next several weeks we intend to concentrate training on the Keystone Digital Net to become proficient at sending real time video SSTV transmissions. This will differ from the way that we currently send SSTV in that we will need to send a real time image from the site ... not simply a JPG file. We will be practicing this during the digital net.

I think that this will be an exciting exercise. We will be out operating in the field. If you have a Go-Kit, you will certainly be using it. If you don't, the county has Go Kits that need to be exercised! All sites will need about 20 - 60 watts on 2 meters/70 cm with an external antenna. On 10 meters, the radios provided by county run 25 watts. We will have to come up with 10M antennas.

This is a call for volunteers to take part in this event. We would like to have 2 or 3 people at each site. We would also like to get our new Hams involved. We have almost 2 months to prepare for this but that time will pass quickly. On one final note, On April 8th & 9th we have the Peach Bottom drill so we can't fixate on just this event. That is just 3 days after this! I imagine that we will provide the same level of support for Peach Bottom that we have in the past so we have to train and get ready for this event too.

We will be coming out with e-mails detailing both of these events in the next couple of weeks. The folks who normally run digital will probably have to get ready for double duty ... SSTV for the flooding event and FLDIGI and FLMSG for messaging at Peach Bottom.

**Amateur Radio operators (HAMS) From Northeast USA: & the world
2014 **HAMVENTION** in DAYTON, OH.**

Bus Leaves THURSDAY MAY 15 –to- SUNDAY MAY 18, 2014 (4 days)

VIA –North America DX Assoc., Inc. (WR2DX)

25th Annual **BUS Trip. From L.I.N.Y. to Dayton, OH**

It's Ham Mecca! 3 days of Hamming, Talks, Demos & Forums, ARRL, Ham Radio & Computer gear, - Old, New & what's coming.

More than \$81,000 worth of door prizes, over 22,000 attendees,
250+ different companies manning 500+ Exhibit Booths, Indoors.
2,000 + Flea Market & Tailgating spaces, Outdoors.

Included in this Bus Trip for one Price: **Complete Pkg.

Round Trip **transportation**, to and from Dayton, Oh. + All Local transportation from motel to Hara's Arena. Also to downtown, restaurants, etc. Each day.
Motel for the 3 nights and 4 days. + **breakfast** each morning*. Church Sun. morning (optional).
Also **included** are the Admission **Tickets** to the Hamvention for the three days.

*Other meals (lunch and dinners) NOT included.

Bus Only \$218.00 Round Trip.... Does NOT include Motel, Ticket, local trans. etc.

****Complete Pkg. \$408.00** pp/dbl.OCC. (if needed, we will book U with a roommate)

\$565.00 single person, own room alone.

Family Special \$665.00 OM & XYL

or just **FLY** to Dayton. join us there for **MOTEL, TRANS. + Tix. \$220.00** .(pp/dbl.oc) all Incl

..... No Need to Rent or Lease a Car, buy Gas, or pay for Parking. No need to buy a ticket or rent a Motel room....
(NADXA members, Deduct \$20.00. Last year (2013) Bus Trip Participants, Deduct \$ 10.00 Previous years Bus Trip attendees, Deduct \$ 5.00)

c

Bus leaves: L.I.N.Y Thurs. May 15th 2014 **6:00 AM** from .LIRR. Queens/Nassau. Park 'n Ride lot **Lynbrook, L.I.N.Y.**

Leave, Bordentown, NJ, **8:15 AM** from Ramada Inn Rt. 206. just off exit 7 of NJ Tpk.

Leave, Downingtown, PA. **9:30 AM** from the Inn at Chester Spring Motel, Rt. 100. 1 ½ mile

South off Exit 312 (old exit 23) of the PA Tpk. *****ALSO SEE BOTTOM of flyer**

Return Sunday night, Late, or Mon. morn. (approx. midnight – 2:30 AM) May 18, 2014

Reservations: Deposit of \$50.00 by **JAN.15**, 2014. Full pym'nt. by Mar. 30, 2014.

Make checks payable to **NADXA, Inc.** (North America DX Assoc., Inc.) or via 'Pay-Pal' (NADXA)

Contact: KC2Q, Mike or NADXA P.O. Box 357 Bradley Beach, NJ 07720

Telephone: - (732) 927-0171 cell # (908) 415-6162

e-mail: kc2q@arri.net, wr2dx@nadxa.org. Website: www.nadxa.org

If there is enough interest in the bus trip from hams in the greater Harrisburg/Mechanicsburg area, the bus will plan an additional pickup and dropoff in that area (site to be determined) near the PA Turnpike. Usually, pickups are at a local hotel or motel that is easily accessible. If interested, please contact KC2Q (Mike) at the number listed on page 1 of the flyer. We are hoping to serve the hams Harrisburg area with our convenient Hamvention Bus Trip to Dayton this year!



**Keystone VHF Club
General Meeting Minutes of
December 5, 2013
By Sandy Goodman, N3ECF – Secretary**

The General Club Meeting held at Keystone VHF Club was called to order by Pres. Dick WA3USG at 19:02. There were 36 members present, 2 new applicants, and 1 guests.

PRESENTATION: Dick, WA3USG, gave a presentation on Part 1 of the History of Amateur Radio.

TECHNICAL HAPPENINGS: Bob, K3DJC, showed his Elecraft KX3, a sample of late 1920s style radio.

SECRETARY REPORT: Sandy, N3ECF. Jeff, KB3RCT, moved to accept the November minutes as published, 2nd by Steve, WB3EFA. Motion carried.

TREASURER REPORT: Linda, KB3EBV, reported for November: Income: \$935.15; Expenses: \$1,995.83; NET Total negative \$1,060.68. Bulk of the expenses were for the repeater support. Tim Barefoot, W3TWB, will contact Triangle Communications to increase the rent per the agreement. Triangle pays \$450 for tower space. Double Dog provides internet service for tower space.

Balances: Club CD \$7,607.41; Bill Hurst CD \$2,516.36; Checking Acct \$2,027.74; Trustee Acct \$177.49; Total \$12,329.00. Dan, KB3JSV, moved to accept the report; 2nd by Joe, KB3TCM. Motion carried.

COMMITTEE REPORTS:

TRUSTEE REPORT – Jeff, KB3RCT, reported that the work party got a lot of stuff done. Five new chairs have been requested for the operating positions, at a cost of \$49 up to \$75 per chair. Jeff moved to approve a maximum of \$75 per chair to make the purchase. Bob, K3DJC, seconded the motion. Motion carried. Jeff will look around to check for the best price and best deal.

TECHNICAL COMMITTEE REPORT -

- The floor in the club house was painted, and the club has been cleaned. The Tech Committee and Trustees will work out a solution to put in new flooring. One estimate for flooring was too high.

- Kevin is working on the MS5000 for the 2 meter repeater. Bob is working on the 440 machine to include an Allstar node and adding Echolink connectivity.

- The batteries for the UPS units are old and need to be replaced, total of 8 batteries. Current price is about \$40 per battery. Tim may get a better deal. Tim, W3TWB, moved to accept a maximum of \$320 to buy batteries. Kip, WB3AFL, seconded the motion. Motion carried.

- Some of our radios are not grounded. The Tech Committee will check those out. Some equipment can be shut off when NOT in use.

- Tim, W3TWB, moved to use the insurance money to replace damaged equipment, including the router and TV. Steve, WB3EFA, seconded the motion. Motion was approved.

- Dan, KB3JSV, has found a commercial router for the network. It will run about \$439.88.

EMCOMM/PUBLIC SERVICE NEWS – Sandy, N3ECF
December 8 is the date for the Jingle Bell Run. Jack has 15 experienced operators and 3 new HAMs signed up. The December YARS meeting will be cancelled.

VE/ED REPORT - Steve, WB3EFA, reported that 3 attended the November testing, with 1 new Technician and 1 upgrade to General. Shrewsbury will have testing on December 14.

Nate, WN3I, will teach the Technician Class, using the ARRL syllabus. Nate and Walt, K3DQB, have built the class with a lot of demonstrations. Attendees include a 9 year old girl, and an 80 year old who suffered a stroke. Students will be encouraged to join the Keystone Thursday Tech Sessions. Nate is looking for Elmers to show the students how to operate.

CONTEST REPORT - no report
NEWSLETTER/WEBSITE – Dick, WA3USG, distributed.

OLD BUSINESS:

- Tim, W3TWB, thanked everyone who jumped into action the night of his cardiac arrest. The trustees are still researching for an AED.

- Second readings were done for Kevin, Magloughlin, KA0JQO, Todd Haines, no call, Charles Spangler, KA3ZHN. Jeff, KB3RCT, and Larry, N3LED, moved to accept them into membership. Motion carried.

- The insurance claim for the rotor has been submitted. The claims for the property damages need to be signed by Greg, since an electrician needs to authorize the lightening damage.

NEW BUSINESS:

First readings for : Steve Lentz, no call, and Scott Kopp, KC3BKY.

Elections for Officers:

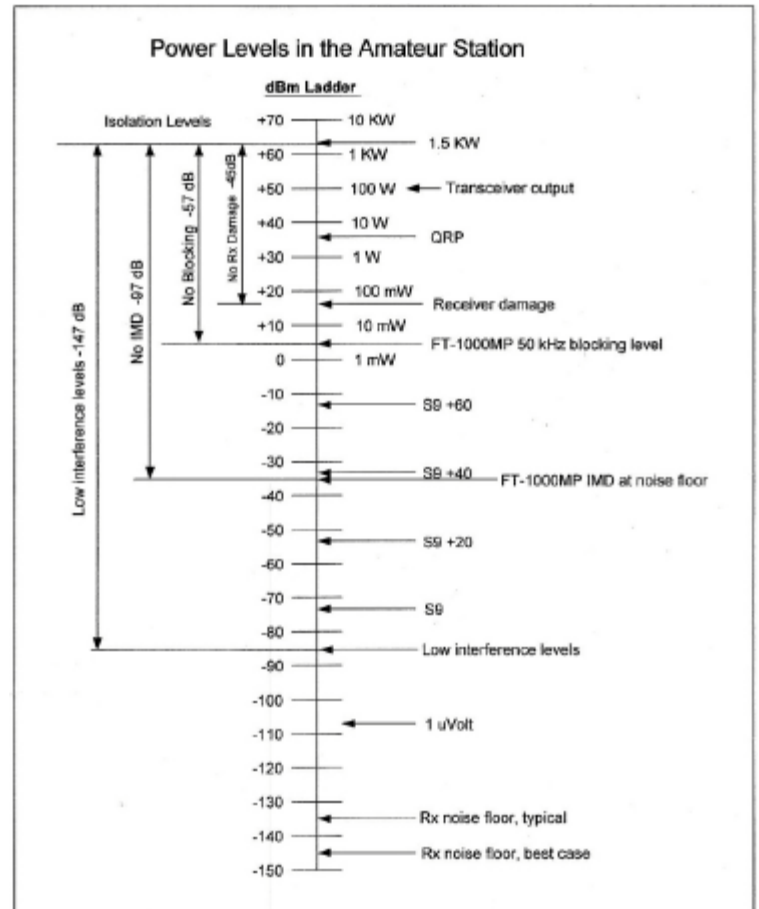
President	Jeff, KB3RCT, presented the roster.
First Vice President	Dick Goodman, WA3USG
Second Vice President	Joe Imgrund, KB3TCM
Treasurer	Jack Dellinger, KC3JD
Assistant Treasurer	Linda Warner, KB3EBV
Secretary	Dan Melato, KB3JSV
Assistant Secretary	Sandy Goodman, N3ECF
Trustee	Kathy Dellinger, KA3THC
	Tim Barefoot, W3TWB

Jeff moved that the Secretary cast a vote for the roster, which was so done.

Chris, KB3TWW, reported the Holiday Party will be January 25 at the Fairview Township Fire Hall. Cost is \$10 per person.

50-50 – Larry, N3LED, won \$25.50, which he donated back to the club. Thank you Larry.

Adjourned at 8:30 PM



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

FOR CLUB USE ONLY

First Reading Date: _____ Second Reading Date: _____

Date voted IN-OUT: _____ Date Dues Collected: _____

Applicant Sponsored by: _____