



The VHF Transmitter



Keystone VHF Club, Inc.

W3HZU

Founded 1955 – York, PA

VOL 60 No 4

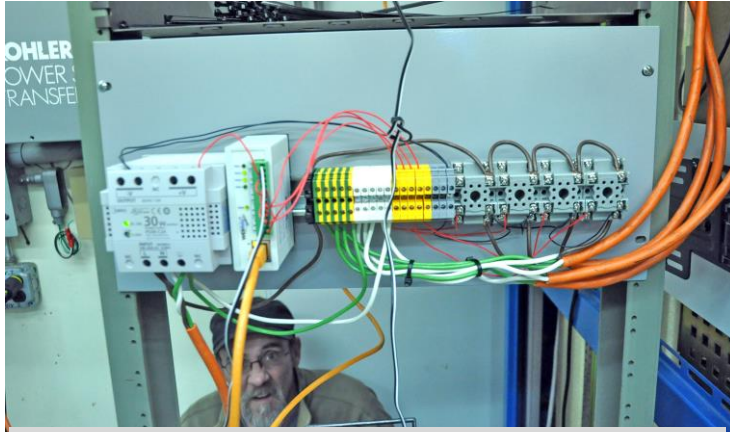
CIRCULATION 150

April, 2015

Continuing Work at the Club House

By Dick Goodman, WA3USG

We can now control all three repeaters up at the club over the Internet. In addition, we can control the air conditioning and/or the electric heat in the club remotely. This will be great for warming up the club a little before we get there on some of these cold Winter days.



Tim Barefoot, W3TWB put this system together about a month ago. Everything may be controlled using the web browser from any computer or by running an App from an Android or IOS device such as an I-Phone. In this image, the four control relays are not plugged in. Additionally, Rich Diem, KC3CFV can be seen lurking behind this unit, his intentions unknown!

On Saturday, March 28 Leo Grenier, KB3VVL brought his Civil Air Patrol (CAP) squadron to the club for a tour of the facilities. What a great bunch of guys! They were shown the main club room, given a crash course on repeater operation in the repeater room, and then were taken outside to check out our towers & antennas.



Do more with your wrist.

Microsoft is releasing their Surface watch in early June. It runs the full version of Windows 10, has 120 GB of disk emulated storage, 4 GB of DDR-4c memory, WiFi, Blue Tooth, & 4G, 96KBS internal sound card with stereo electrostatic diaphragm speakers, external USB port, and HDMI port (1200 X1600 resolution). Battery life is claimed to be over 24 hours using the power saver function. This is guaranteed to control/operate any peripheral that a full sized desktop will. A Linux version will be available next year.

Introductory offer to be \$450.00



We hope that we see more of these gentlemen. These are excellent converts for Ham radio. I believe that this is also the first time that we have had CAP cadets up at the club. Hopefully some of these guys will join us for special events and contests.

Several years ago, Bob Poff, WB3AWJ procured three 3KW UPS units for the club. Well Bob, it took us awhile but we finally have all three of our repeaters connected to the top unit for back-up power. Each of these units would probably power all the repeaters for about an hour in case of a power failure. These are meant to keep the repeaters up until our generator starts.



The Keystone VHF Club's 146.97 repeater audio will soon be accessible via the web. The audio may be listened to via two multimedia device apps, one for Android OS, and the other for IOS (Apple). Both are FREE apps.

Android: Scanner Radio by BCFY Gordon Edwards

IOS: Scanner Radio Deluxe by BCFY Gordon Edwards

For now the repeater audio will be sampled using a Icom 2 meter rig located in the repeater room. Any audio on the 146.97 MHz output will be streamed to the provider's server. An unlimited number of people can be connected and listening at the same time.

Please note that we are trying to set up a system such as this for the video from the clubs security cameras. Right now only 2 or 3 people can be connected to our video server at the club site before it becomes loaded down. We are working on getting access to a server that will require only one video stream from the clubs server, all club members may then connect to that.

We also have another project possibly in the works. Tim, W3TWB has a point of contact that is willing to set in a 40 foot telephone pole up at the club site (FOR NO COST). This would be low profile as compared to our other towers. Some possibilities are to use this for a vertically polarized 2 meter beam for long distance FM simplex and repeater access. We also have the Cushcraft MA-5B HF beam that Ralph, K3HQP donated to the club. Finally, we have a 220 MHz beam that needs a home somewhere. We are looking for someone to take this project and run with it. If you are interested, please talk to any of the club officers or trustees.

Continued on Page 3

NEXT MEETING
Thursday, April 2nd, at the York County
EOC on Davies Road

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.*

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 Nate, WN3I at wn3i@comcast.net.*

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. (**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.

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

HELP HELP HELP HELP HELP !!!

MS WALK -- will be on Sunday, May 3rd at John Rudy Park in York. The event runs from about 9 AM (registration) until about 1 PM (or sooner). We man 10 locations, and need between 10 and 15 operators. We use HTs on simplex.

To volunteer, contact Sandy Goodman, N3ECF:

Sign-up at the Keystone Meeting on April 2

By phone: 717-697-2353

By email: slgoodman1@verizon.net

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 14 - TMI Drill**
POC: Sandy Goodman, N3ECF slgoodman1@verizon.net
- * **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 slgoodman1@verizon.net
- * **May 17 - The York Marathon**
POC: Jack Dellinger, KC3JD jkdelli@aol.com
- * **June 27 & 28 - PA Hope Ride for Cancer**
POC: Marty Gutekunst, KB3BAA mpgutekunst@comcast.net
- * **Aug 22 - 23 - MS Bike Tour Gettysburg**
POC: Sandy Goodman, N3ECF slgoodman1@verizon.net
- * **September 12 - KTA Superhike**
POC: Ken Wiggins, N2DYK n2dyk1940@yahoo.com
- * **September 20 - Three Creek Century Bike Tour**
POC: Sandy Goodman, N3ECF slgoodman1@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. This event has is now called the York Marathon and will take place on May 17th.

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.



ANNOUNCING THE 2015 YORK HAMFEST

Sponsored by the York Hamfest Foundation
The Areas Oldest Continuous Hamfest, our 60th Year



SATURDAY, APRIL 11, 2015
8:00 AM TO 1:00 PM

New Location

ELICKER'S GROVE PARK

511 Roth Church Rd
Spring Grove, PA 17362

Easy access from York, PA or Hanover, PA
PLENTY OF FREE PARKING!

<http://www.yorkhamfest.org/>

THIS YEARS HAMFEST IS TAILGATING ONLY

- o TAILGATING SET UP AT 6 AM SATURDAY MORNING. \$5 per 10' space, plus admission
- o GENERAL ADMISSION AT 8 AM.: \$5 per person
 - Children Under 16 FREE when accompanied by an adult
 - Unlicensed Spouses FREE
- o RAIN OR SHINE
- o COMMERCIAL VENDORS ARE EXPECTED TO COLLECT & REMIT PA SALES TAX
- o FREE VE TEST - Registration starts at 10:30 AM - Testing at 11:00 AM (Admission fees paid can be refunded upon registration for testing, full ticket and stub are required)
- o FOOD VENDORS WILL BE AVAILABLE
- o DOOR PRIZES
- o CARD CHECKING FOR DXCC/WAS/NUCC/WAC

Trustee's Report



Tim, W3TWB



Dick, WA3USG



Jeff, KB3RCT

We are getting ready for the Keystone VHF Club's Spring Clean-up on April 18th. We will meet at the club house at 9 AM to start work. Bring rakes, shovels, chain saws and a well rested body. We still need to cut up and move some trees that were cut down last year. We will also be starting to work on cleaning out the shed. By golly the club is looking good! If you have any other suggestions please talk to us! It shouldn't take more then 3 or 4 hours max to get everything done.

We are looking for a Bencher CW paddle to be part of the club station. We do not need a keyer, just a set of paddles. If you have one you would like to donate or sell at a good price please let us know.



Timothy Barefoot
3040 Muirfield RD.
Dover Pa. 17315
W3TWB

E-Mail:
Barefoot.tim@gmail.com
717 887-7012

Yaesu VHF/UHF radio users, if your radio has a hand mic (MH-36 or MH-48) and the cord is fraying/splitting apart, email me (n3ee1@comcast.net) and I can get you a new cord made from the same cords that Motorola uses that is simply "plug-n-play"! If your mic is either the MH-36 or the MH-48 these cords are what you need. All you need to do is take 3 screws out of the back of your mic, unplug the old frayed cord and plug in the new one, replace the 3 screws and your back up and running!! **Dan Shortencarrier, N3EEI**

The VHF Transmitter

published monthly by the

Keystone VHF Club, INC

Editor: Dick Goodman, WA3USG

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Newsletter, contact:

Dick Goodman, WA3USG
199 Maple Lane
Mechanicsburg, Pa.

Work at the club house Continued from Page 1

While our communications position using the Yaesu TS-920 is fully operational with a complete suite of antennas covering 160 through 6 meters, our second position, utilizing the Kenwood TS-2000 has up to this time only been connected to our 2 meter and 70 cm contest antennas.

Last Saturday (March 28) we erected a 40 meter dipole dedicated to this radio. We are also thinking about 80 and 160 meter dipoles. If we can get someone to ramrod the telephone pole project (see page 1) then we would have a small HF beam connected to it. This would provide coverage on 20, 15, 10, 17, and 12 meters. **How about a 30 meter dipole?**

Is this a lot of work? Yes ... but the telephone pole would be free and we already have the beam antenna ... why not use it? We also have 2 meter and 70 cm beams which we could mount vertically and dedicate to our Yaesu FT-897.

A Bit of Keystone VHF Club History

Provided by Ray Shaub, W3AXC

This was the club house before we built the existing building, it stood where the parking lot is now. About where the big tower is. One weekend back in the seventies we moved it to the side of the clubhouse and opened the doorway between the two and it became the repeater room. I have pictures from the day we did that.

AT&T 9:36 AM 94%

Search

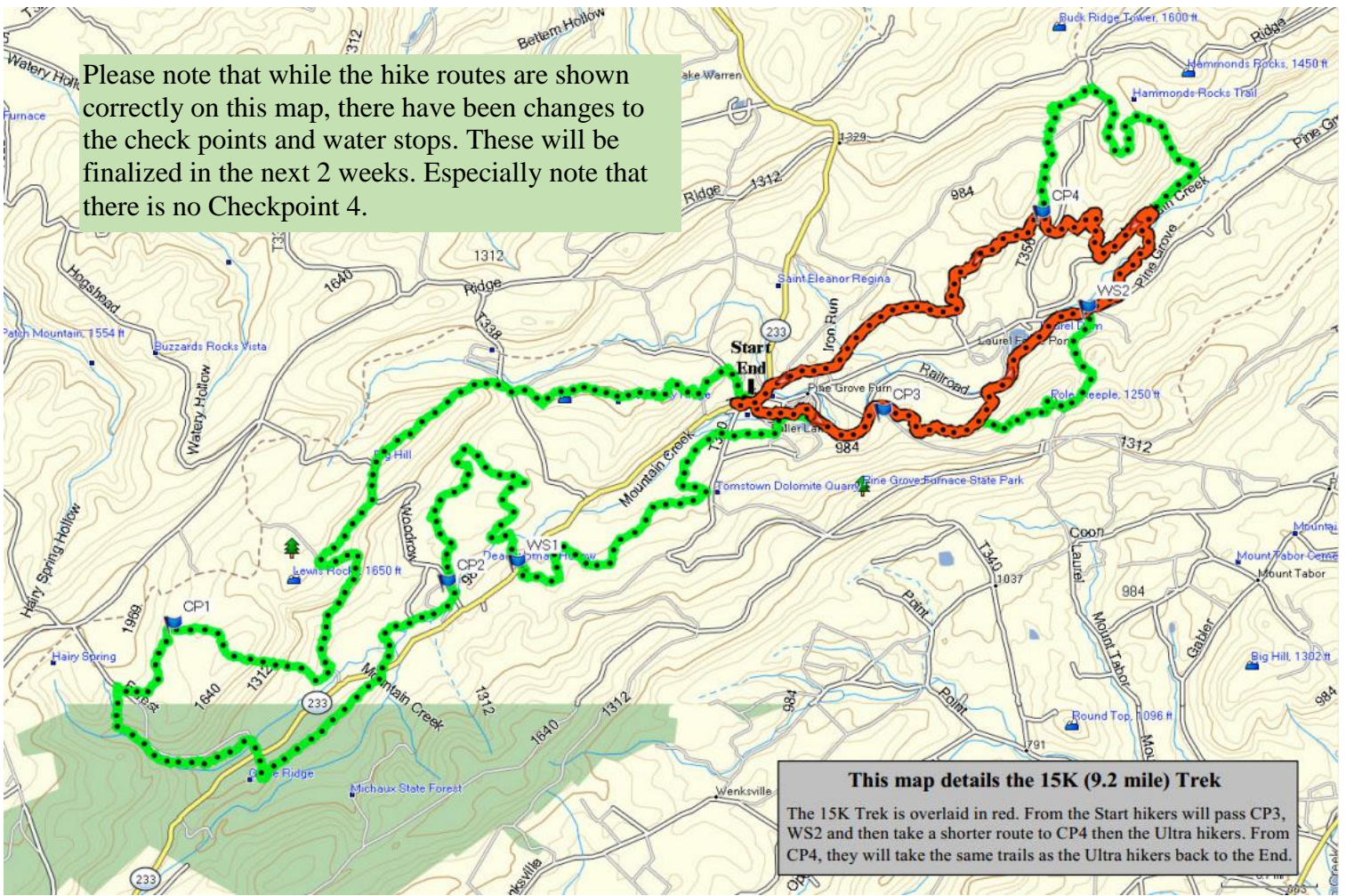
York Daily Record/Sunday News
3 hours ago · Edited ·

History Mystery: These are young skywatchers, deployed during the school day to watch for enemy aircraft early in World War II. In those days after Pearl Harbor, officials were concerned about enemy strikes on #YorkPa's vast industries. Question: Where are these schoolboys standing in performing their defense work? In an aircraft spotters shed at Edgar Fahs Smith High School (in background)

This was the KVHFC's first club house in 1960

Write a comment... Post

News Feed Requests Messenger Notifications More



The SATC Ironmasters Challenge Hike Series April 26, 2015 (7:00 AM to 7:00 PM)

This event takes place around the Pine Grove Furnace State Park. It consists of two hikes, a 30 miler (highlighted in green) and a 9 miler (outlined in red). Both hikes take place on the same day. Between the two hikes there will probably be in excess of 400 hikers.

Our responsibility is to man the Starting/ending location, three (3) check points, a first aid station, and five (5) water stops. Each hiker wears a BIB number, as the hiker passes through the check point, we log him in & out and report the status of the hikers back to the Net Control Station on a periodic basis. The purpose of this is to keep track of any hikers that may have become lost or missing (which happens virtually every year). We do not account for the hikers at the water stops.

These are both difficult hikes that take the participants into remote areas several miles from any access roads. While the trails are well marked, we have instances where the hikers have gotten lost. We also have participants who underestimate the level of effort needed to complete a hike like this. They get themselves into trouble and need to be located and transported back to the finish line.

We like to have at least 2 communicators at each check point and 1 at every water stop. This entire event is run on 2 meter simplex. Each site needs a rig running about 30 watts or more to a good antenna. In some cases, a mobile antenna on your vehicle will work. In other locations, an omni vertical mounted about 15 to 20 feet in the air is necessary. There is little or no cell phone service anywhere in this area and we are the primary communicators. **Simplex frequency on 2 meters is 146.58 MHz.** We will also be using a portable repeater on 442 MHz, +5MHz offset, 123 tone. This will cover the east end of the hike.

One of the communicators at the check point should have an HT. In some circumstances, you may be asked to hike a mile or two from your check point to ascertain the status of a hiker. We will also provide "Sweep Hikers" to follow behind the last hiker so we know

where the tail end of the hike is. Hikers having problems usually end up there.

We are not backup communicators here ... we are THE COMMICATORS. We need at least 7 people for the check points, 5 people for the water stops, 3 people for the Net Control station at the Start/end site, 2 people at the First Aid stop, and 4 people who can hike about 8 to 10 miles to be the Sweep hikers. This year we want 3 sweeps on the 30 miler and 1 on the 9 miler.

Amateur radio is a very major part of this hike. If you would like to volunteer please drop me an e-mail or a call.

Dick Goodman, WA3USG wa3usg@verizon.net 717-697-2353

Volunteers so Far

Start/End (NCS)

Jack Dellinger, KC3JD
Sandy Goodman, N3ECF
Tim Stumpo, KC3BWP
Tim Barefoot, W3TWB (Rover)

First Aid Stop

Annie Zarlanka, KB3ZLJ
???

Water Stop 1

???

Check Point 1

Dan Shortencarrier, N3EEI
Steve Cline, KC3CPL
Joel Ruths, K3SUN (sweep)

Water Stop 2

???

Check Point 2

???

Dan Melato, KB3JSV (sweep)
Doug Good, KC3AYT
Donna Lee Hoover, N3VPJ

Water Stop 3

???

Water Stop 4

???

Water Stop 5

Bob Gundlach, N3NBT

Check Point 3

Kip Glunt, WB3AFL
???

Starting Sweep (Start-CP1)

Dick Goodman, WA3USG

15K Hike Sweep

Joe Imgrund, KB3TCM

Note: As of 30 March, we have 446 registered hikers!



**Keystone VHF Club
General Meeting Minutes of
March 5, 2015
By Sandy Goodman, N3ECF – Secretary**

Due to poor weather conditions in March, the meeting was cancelled

**The PEMA Weather Drill
Thank You !**

I want to thank all the participants who helped last week with our PEMA Weather Drill exercise. Our York County scenario started with a request from the Hanover HEARS group asking if they would have someone to talk to. I reached out and got wonderful assistance from our volunteers, who gave us an operation that ran from 9 AM to Noon, with more than what the HEARS group expected. It gave everyone a great practice experience. If I've missed anyone on distribution, please pass on my sincere thanks.

We had 19 operators (2 of whom are EMCs), plus an EMC. The agencies were two county EOCs (York and Adams), 3 municipal EOCs (York Township, Paradise Township, and Glen Rock Borough), plus Hanover Hospital and Cross Keys Village (a satellite of the hospital).

We passed traffic that advised of a severe weather system with heavy winds, rain, hail & lightening moving from Adams county across York County. We had the expected weather reports, plus damage reports, including one damage assessment report filed back to York County. We had reports of traffic accidents blocking roads, flooded roads, damage to a school which resulted in patients being sent to the hospital. Requests were made for shelter locations, and resources needed.

Some of us had additional fun by asking for anti-venom for a snake that doesn't even live in PA (but Steve got Tom back -- he knew that snake). Glen Rock Borough was getting ready to build an ark, and someone spotted a gigantic whirlpool in the Susquehanna river (I suspect he's had too much to drink). In addition to that activity, I also made contact with PEMA ACS to work a scenario there.

We did voice traffic for most of the exercise, but we did have digital traffic between York OEM & York Township with an attempt at Paradise Township. I used the opportunity for multiple scenarios to split NETs, the VHF main repeater was eventually used for handling traffic with PEMA and doing SKYWARN requests (although I only got 1 outside report). The southern/western York scenario was handled on a second VHF repeater and digital operated on a UHF repeater.

I enjoyed hearing a break during a routine transmission asking for an URGENT transmission with permission to handle that as digital traffic. So the urgent traffic was moved to the UHF repeater, and the routine traffic continued on the VHF repeater. We handled 3 separate NETs during the operation period. My approximate count for traffic is 38 by voice, and 15 by digital. We lacked a dedicated HF operator, so we missed our opportunity to connect to PEMA by voice or the paNBEMS.

Putting my "education" hat on, I plan to use the traffic that we passed in training some new hams that are showing interest in EMCOMM. I hope to hold tabletop sessions where new EMCOMM operators can use real information in practicing message handling.

Thank you again to all.

Sandy Goodman N3ECF
York County ACSO/EC

From: "W.T. Jones SEC EPA" <sec@w3luz.org>
Subject: Public Service Comms Opportunity - Sullivan County 100K Foot Race May 30th at World's End State Park
Date: March 20, 2015 4:28:50 PM EDT

Hello ECs and DEC's,

Here is an opportunity to provide some public service communications and visit a really nice State Park in May!

This is for a 100K Foot Race in Sullivan County at World's End State Park. The Date is May 30, 2015.

The address for World's End State Park is:
Worlds End State Park
82 Cabin Bridge Rd
Forks ville, PA 18616

Travis Best, W3TMB, the Assistant DEC for District 4 is coordinating the communications effort and needs operators. He needs a total of 22 operators and only has 8 so far so there is a need that needs to be filled. Here is a list of the positions....

AS1 & AS8	2 Operators	11HRS
AS2	2 Operators	5HRS
AS3	2 Operators	5HRS
AS5	2 Operators	6HRS
AS6	2 Operators	5HRS
AS7	2 Operators	5HRS
AS10	2 Operators	7HRS

If you know any one who might be interested then contact Travis. He has full details and you can reach him at w3tmb1@gmail.com.

73,

W.T. Jones, WN3LIF
Section Emergency Coordinator
ARRL Eastern Pennsylvania Section
Emergency Coordinator Luzerne County, Pennsylvania
<http://www.w3luz.org>

Tom Graybill, KB3ETG
SARA Planner
HazMat 91 Administrator
717-577-8352
Office of Emergency Management
120 Davies Drive

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: _____