



# The VHF Transmitter



Keystone VHF Club, Inc.

W3HZU

Founded 1955 – York, PA

VOL 59 No 7

CIRCULATION 150

September, 2014

Our own Cameron Bailey, KT3A is retiring from the Air National Guard. All Keystone members are invited to see Cam off. Call below to RSVP by 12 September 2014. POC: [SSgt.Reuben.Dascalescu](mailto:SSgt.Reuben.Dascalescu) (717) 861-1194.

Dress -

Military: Uniform of the Day    Civilian: Casual

**Colonel Kevin C. Derickson**  
**Commander, 193d Regional Support Group**

requests the pleasure of your company  
for a ceremony in honor of

**Chief Master Sergeant Cameron C. R. Bailey**

on the occasion of his retirement as the  
193d Regional Support Group Superintendent

Saturday, the thirteenth of September  
two thousand and fourteen

1500 hrs (3:00 PM)

Shambach Hall, Gettysburg St. Jonestown, PA 17038

Ft Indiantown Gap Air Guard Station

Refreshments will follow at the 201st Dining Facility

## The Red Lion Street Fair Wrap-up

*By Jack Dellinger, KC3JD*

The York County Amateur Radio community was invited to help provide communications for the 2014 Red Lion Street Fair on August 9th, 2014. We had twenty (20) Hams helping provide emergency contact communications. We were divided into two person teams that were station in five (5) pop-up tent fly's, one position in the middle of each street and center square on the fair. With twenty operators we were able to work four hour shifts per team (with a few all day operators). Our purpose was to link with emergency services and give them any reports of injury etc. We had five incidents during the day that required us to inform EMS, Fire and Police of actions requiring their services.

The Red Lion EMA and the officials running the fair were very happy with our service and have already invited us back next year. Hopefully next year we can obtain a few more operators so everyone will only need to work a half day. Thanks to Scott Kopp KC3BKY Red Lion EMC, Sandy Goodman N3ECF and Dave All N3XUD for helping organize our participation, plus all the Hams that participated. Maybe next year we will get t-shirts, HI HI.

*I want to take this time to personally thank each Ham that volunteered their time for the Street Fair last Saturday. From those that helped us get the word out and organize, to the tent donations, and all that participated a huge thank you! I reported our Event to the Borough Council and received a big thank you to all involved for serving the community. I contacted Carol the event coordinator and she couldn't have been happier and wants us to promise our support again already for next year! I also, received kind words from Mr. Ron Harlacher the Red Lion Ambulance Chief that was onsite stating that our setup and organization looks to have worked well and that our operators did an excellent job for our community!*

*So again, a Huge Thank You and I hope you will all return again next year!!*

**Best Regards, Scott S. Kopp, EMC**  
**Red Lion Emergency Management**

## The Harrisburg Bicycle Club's Three Creek Century Bike Tour

**Date: September 21, 2014**

**(We could still use a couple more communicators)**

The Three Creek Century bike tour is sponsored by the Harrisburg Bicycle Club. This is a fundraiser for the Juvenile Diabetes Research Foundation. It will feature 3 loops that the bikers can combine to make whatever length suites them (25, 50, 75, or 100 mile). Rides start at 7 AM.

Big Spring Meander is a 50 mile loop that goes from Carlisle to Huntsdale, through Newville, then back to Carlisle.

Opossum Lake Loop is a 25 mile loop going north and west of Carlisle up to the lake, and return.

Boiling Springs Ramble is a 25 mile loop from Carlisle over to the Yellow Breeches Creek into Boiling Springs and return.

### Five Stationary sites to be manned:

LeTort Park in Carlisle (Start/End for all loops) - NCS location - 6 AM start. Highly suggest that the NCS get there early due to possible parking problems

Huntsdale Fish Hatchery Rest Stop -- start 8:00 a m

Newville Fire Station Rest Stop -- start 8:30 am

Opossum Lake Rest Stop -- start 9:00 am

Leidigh Road Rest Stop -- start 9:30 am

Need a few SAGS with 2 meter communications

\*\* We will be using the 146.79 MHz repeater (tone: 114.8 Hz) located on Reesers Summit

- Backup will be the York 146.97 MHz repeater (Tone: 123 Hz)

- Backup simplex frequency will be 144.34 MHz

\*\* A mobile class rig (20 - 60 watts) with an external antenna (eg: J-Pole) to be used at all locations.

- If the weather is good, please set up on a small table next to the rest stop operators

- If weather is bad, operate from your car or set up under a canopy if you have one

- H.T.'s will be very marginal for this event

We will not be checking off riders as they come into the rest stops but will try and keep track of those who are having problems. We will also attempt to sweep the last riders with our SAGs.

The Event Web Site Is: <http://www.threecreekcentury.com/>

If you are available to assist with this event, please contact:

Sandy Goodman, N3ECF, [slgoodman1@verizon.net](mailto:slgoodman1@verizon.net)

Or Dick Goodman, WA3USG, [wa3usg@verizon.net](mailto:wa3usg@verizon.net)

Phone: 717-697-2353

Okay gang .... Seriously check out the picture at the end of page 7. Tim, W3TWB has on his own, constructed a trailer with a pneumatic mast that will raise a 70 cm SSB beam, a 2 meter SSB beam, and a 6 meter beam to a height of about 40 feet. This is what Amateur Radio is all about!!

## NEXT MEETING

**Thursday, September 4th, at the Club Site**

Folks,

Thanks again for making the King's Gap Time Trials a worthwhile, safe, and fun event! Our work was really appreciated by not only the event volunteers, but the participants as well.

As usual, we work very well together as a team, and I expect that our practice and experience will make us that much better as radio operators.

Next year, the hope and expectation is that Dick Goodman will take over my role as event communications coordinator, and Kelly (or her successor) will again reach out once again for our services. God speed and happy days on the air until then!

Yours,  
-Franz, N3HFS

## The Pennsylvania Amateur Radio Conference (PARC)

By John Jaminet, W3HMS

### \*\*\* Mark your calendars now for Oct 4, 2014 \*\*\*

The South Mountain Radio Amateurs (SMRA) of the Carlisle, PA area are pleased to announce a conference devoted to inspiring new technologies in our beloved hobby. **This will be held at the Whispering Pines, a special events lodge, north of Carlisle, PA from 1200-1600 on Saturday 4 Oct 2014.**

Whispering Pines is situated in a delightful country setting with parking for more than 300 cars. Directions are on their Web site googled with "Whispering Pines".

We have been able to schedule speakers who are outstanding in their specialty. They speak at the level achieved by the annual conferences such as Microwave Update, Southern VHF Society, Central States VHF Society, Northeast Weak Signal Society and others throughout the US.

Attendance at these events often consumes more time from work and money than desired. Our intent is to make car pooling and low-costs in a single-day event the hallmark of the conference. Thus, the fee is \$9 for early on-line registration with complementary coffee, soft drinks, and cookies available throughout the event. We do, however, recommend eating outside of event hours. HI!!

There are many restaurants in Carlisle but none near Whispering Pines.

In keeping with the event level, business-casual dress is highly recommended.

#### Agenda includes:

- \*\* Building High Quality VHF and UHF Antennas ... yourself!
- \*\* Live demonstration of the latest HF Flex Radio software defined (SDR) transceiver.
- \*\* Working the World on the low power HF WSJT-X data modes
- \*\* A photo visit to an outstanding HF, VHF, UHF, microwave, contest station
- \*\* Automating Your HF/VHF Station logging and control of radios

Target Audience: Whether you have been licensed for 80 minutes or 80 years, whether your interests are HF, VHF, microwave, 2 M FM, other, or all the above, this is an opportunity to expand your knowledge of what is possible today and what may be doable for you even sooner than YOU may imagine. Don't miss the opportunity to attend a top flight conference focused on great presentations with ease of attendance. Seating will be limited, so sign up at your earliest possibility. For lodging, please google on Carlisle, PA lodging noting that the well-known motels are situated along 1-81. We intend to have Power point copies of each presentation on a Web site after the conference with details being announced at the conference. Please bring your own paper/pens/other for note taking.

## Scheduled Club P.S. Events for 2014

- \* **September 6 - KTA Superhike**  
POC: Ken Wiggins, N2DYK n2dyk1940@yahoo.com
- \* **September 21 - Three Creek Century Bike Tour**  
POC: Sandy Goodman, N3ECF slgdoorman@verizon.net
- \* **October 19 - Hershey Half marathon**  
POC: Marty Gutekunst, KB3BAA mjpgutekunst@comcast.net
- \* **October 26 - Michaux Team Challenge**  
POC: Dan Mcglothlin, KB3MUN kb3mun@mcglothlin.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

#### 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

### AED TRAINING AVAILABLE

As mentioned at the May Keystone Meeting, CPR-Now has offered to train up to 15 operators for the AED because of lack of a proper demonstration with their equipment.

If you are interested in taking that training, please let me or Jeff Patterson, KB3RCT, know of your interest. You can reply to this email, or email Jeff at jdp1964@comcast.net

If we get more than 15 people interested, we will give priority to those who did NOT attend the 1st Aid/CPR/AED training spring of 2013, and/or those folks who are frequently up at the Keystone Clubhouse when multiple people are likely to be there.

Thanks, Sandy Goodman N3ECF, Keystone Secretary

## The End of the Bob Potts Marathon

By Jack Dellinger, KC3JD

The Bob Potts Marathon board of directors have decided that after six years the marathon had met the original objective of raising enough money to fund yearly scholarships for York County runners. So the 2013 marathon was the last one they will organize. (See article in Aug. 29th York Daily Record).

The York County Amateur Radio community only participated in the last three of the events. Each year we became more organized and were really looking forward to continuing our involvement with the marathon. Perhaps some other organization will decide to sponsor a marathon in the county. We hope Ham Radio will be a part of future events.

Thanks to the more than thirty Hams (each year) that have helped over the past years. As always you showed professionalism and skill in providing communications support.

Special thanks to Sean Potts for allowing us to participate and become part of the organization.



## Trustee's Report



Tim, W3TWB



Thierry, KB3TPX



Jeff, KB3RCT

Things are looking pretty good at the club. Most of the junk has been removed and the inside of the club house is absolutely Spic & Span clean (thanks Mike)! We recently had about 5 trees cut down. These are still lying on the club house grounds. We will probably call for a work party in the next few weeks to chainsaw them to a manageable size for use in our wood burner in the club house. Does anyone have a log splitter they would like to bring up?

We also have a new neighbor who moved into the house directly across the street from us. For the first time since that house was built, we now have an occupant who seems friendly. If you see him, say "hello".

Otherwise things seem to be going well. Get ready for Fall!

Friends, get your Call Letter license plate tag before PA DOT comes to its senses! The new form released for use last week reflects a fee reduction from \$20 to only \$11 dollars!

Surely there's some mistake, (after all, what state revenue charge goes down!) If you were waiting, now's certainly the time.

Here's the link:

[http://www.dmv.state.pa.us/pdotforms/mv\\_forms/mv-904.pdf](http://www.dmv.state.pa.us/pdotforms/mv_forms/mv-904.pdf)

73 .... Bob, N3NBT

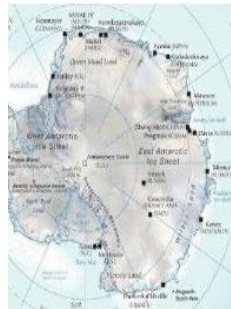


I wanted to pass along a picture of the Troop #20 Boy Scouts from our Court Of Honor ceremony on August 6, 2014. We had a great time and really enjoyed using the pavilion and being able to cook on the grill.

The adults enjoyed the location and the boys had a blast being outside.

Troop #20 sends a 'Thank You' to the Keystone Club for allowing us to use the location. We look forward to coming back for other ceremonies.

Brian Klimes



Joe

**KC4AAA - Amundsen - Scott South Pole station has begun digital operations. We are up on JT65, PSK-31 and RTTY. We have completed testing and have worked a hand full of stations. 0200-0300UTC.**

**Joe M.**

Satellite Engineer at GHG Corporation  
Top Contributor

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## The VHF Transmitter

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A lunar flyby with a ham radio payload transmitting JT65B mode on 145.990 MHz is expected to take place toward the end of this year, giving earthbound radio amateurs the opportunity to receive some otherworldly DX signals as the payload flies around the Moon. China has [announced](#) plans to launch a lunar orbiter carrying a 14 kg battery-powered payload known as 4M-LXS, which was developed at LuxSpace. Signals from the Amateur Radio payload can be decoded using the free [WJST](#) software by Joe Taylor, K1JT. The orbiter is one of the test models for Beijing's new lunar probe *Chang'e-5*, which will land on the moon, collect samples, and return to Earth. The launch, planned for 4th quarter 2014, is aimed at testing technologies that are vital for the success of the spacecraft. The orbiter will be launched into Lunar Transfer Orbit and then perform a lunar flyby before re-entering Earth's atmosphere after 9 days. The orbiter, which arrived by air in Xichang, Sichuan, on Sunday, August 10, has been transported to the Xichang Satellite Launch Center. --  
*Thanks to AMSAT-UK*

## Schedule of Keystone VHF Club Sponsored VE Testing for 2014

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.

**September 13      November 8**

VE exams will be sponsored by Southern Pennsylvania Communications Group (SPCG). These sessions are held 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.

**October 11      December 13**

### 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

**\*\* 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

**Our digital net on Tuesday evenings is going quite well. Last evening we had 11 check in's. As well as sending digital messages, we have been exchanging Slow Scan TV pictures. Please join us.**



### What is this Thing ???

That is a DDRR The *DDRR*-Directional Discontinuity Ring Radiator . There are loads of info on the net for this antenna from UHF through HF.

I call it my Ruthanna antenna as it came from WB3CQM's estate. It radiates a vertical signal and appears to work as good as any 5/8 wave antenna I have used mobile. Don't ask me how this can be I really don't know but driving out Indian Rock Dam road and turning left as you go under the rail trail overpass you parallel the Codorus Creek and Windom Hills cut off the path to the 97 machine. I have always had a couple of dead spots along that road but the Ruthanna antenna doesn't drop out it really works. Interested? I have an article detailing its construction.

Bob K3DJC

These just posted today. I am not sure why it took this long. The FCC has been having problems. We had a session in Lebanon Saturday and only one of the five has shown up. The only common thing on that session and the one in York is the FCC. **Ralph, K3HQI**

Francis Grillo KC3CWP (General Class)  
Linda Morningstar KC3CWQ (Tech)  
James Parsons KC3CWR (Tech)  
John Glaser KC3BWS (General)



Steven Cline, KC3CPL standing in the tower guy anchor hole for our 60 foot tower. Unfortunately, as we attempted to enlarge the hole, we ran into solid rock about 20 inches down. Steve drilled several holes in the rock for the insertion of rebar and the guy anchor itself.



## Main Club Room

### Completed

Cleaned and repainted floor  
Refurbished surface of operating positions  
Replaced chairs with 5 from Staples  
Removed unused cabling (Between Main room & repeater room)  
Installed new shelving for each operating position  
Relocated the 3 computers to associated operating positions  
HF position (FT-920) - completely operational all digital modes  
Purchased new monitors, keyboards, & mice for each computer  
Replaced our lightning damaged big screen TV with new one  
Installed Internet Access Point (A.P.) in main clubroom  
New A.E.D. has been mounted in main club room

### To be completed

Secure all recently installed shelving units with screws  
*This will be completed at the next Thursday tech session night*  
Evaluate what additional flooring we might need  
*Tim Snook was going to donate & install a tile floor. Since we painted the floor with Epoxy paint, the leveling compound that he was going to use will not adhere to the floor. At this time we are considering Vinyl planking. Tim will have an estimate by the meeting.*  
Get TS-2000 operating position operational on digital modes  
*We need to obtain an additional Signalink USB. An appropriation for this will be requested at the next meeting. This will be installed at the next Thursday night Tech session. Cost will be approximately \$110.00*  
*A new Signalink USB was obtained from Tim Snook last Thursday for a cost of \$100. We will have Linda cut him A check at the meeting on Sept 4<sup>th</sup>.*  
Install cameras & integrate with security system  
*Two FOSCAMs (steerable IP cameras) at approximately \$80.00 each and one external IP camera at \$129 will be ordered within the next two weeks. These will be integrated into our security system by the end of June. \$329.00 was approved for this at the March 6 meeting.*  
Install card reader on door  
*Tim Barefoot, W3TWB has provided a circuit board that will enable us to implement a card reader to use for access control at the front door for a very inexpensive price. This unit contains a Web Server and is programmed via an IP connection. Dick, WA3USG will evaluate this unit to see if it will work for our application. This will be determined within the next 4 weeks.*

## Repeater Room

### Completed

Cleaned up repeater room - relocated unused equipment to shed  
Removed unused cabling (between repeater room & attic)  
Installed baseline 2 meter MSF-5000 2 meter repeater  
6 meter & 70 CM repeaters operational with AllStar connectivity  
EchoLink operational on 70 CM repeater  
Two 3500 watt UPS units installed in rack in repeater room

### To be completed

Arcom Controller integration with MSF-5000 (already procured)  
*Kevin Magloughlin, KA0JQO will try and have this operational by the end of June.*  
Remote receiver system to be reinstalled on the MSF-5000  
*Kevin, KA0JQO is currently working on adding a Quantar receiver (already procured), a 220 MHz link Receiver (already procured), and an 8 channel LDG voter (donated by members of the Technical committee). This should be installed shortly after the controller is operational*  
*The Quantar receiver has been added to the rack and a new ground Bus & transmit cavity were installed on the wall behind the repeater.*  
EchoLink to be added to MSF-5000  
*Bob Poff will add this as soon as the controller is operational*  
Batteries to be procured for both UPS units (8 batteries needed)  
*We will only be using 1 of the UPS units so only 4 batteries needed.*

UPS units wired into clubhouse electrical system  
Unit #1 to provide backup & protection to main clubroom  
Unit #2 to provide backup & protection to repeaters

*The tech committee has reevaluated this project. Due to the expense of the batteries required by these UPS units, it was decided that only one UPS would be used. This will reside in the repeater room and will back up our repeaters in instances of power failure until the generator comes up on line. \$320 was approved to purchase batteries at the Dec 5th, 2013 general meeting. We will only need \$160 and work on this will not be started until all repeater projects are completed.*

New router to be installed in clubs network (already procured)

*This was completed last week*

## Antenna Work

### Completed

New rotor cable installed on 60 foot tower

### To be completed

Reguying of 60 foot tower  
*The guy anchor has been re-dug and made larger. Our new member Steven Cline, KC3CPL drilled holes in the rock at the bottom of The guy anchor hole and welded mud plates on the anchor rod itself. All we have to do now is build the forms and pour concrete.*  
Installation of MA-5B 5 band HF beam on 60 foot tower (beam donated)  
*The MA-5B beam donated by Ralph Brandt, K3HQI will be used by the club as a portable antenna to be taken to remote sites for Public Service events and contesting. A small Mosley beam has been ordered which will cover 10, 15, 20, 17, 12, and 6 meters. Doing this, we will only need 1 antenna atop the 60 foot tower. A 6 meter antenna will not be necessary.*  
Installation of 6 meter beam on 60 foot tower (our old 6 meter beam)  
*This has been OBE (see above)*  
Installation of new antenna rotor (already procured)  
*We unpackaged the brand new Ham IV rotor at last weeks Thursday evening tech session and found that it was not working. We also found that that the control box had severe assembly flaws. Both were returned. Estimated time for new units is about 2 to 4 weeks. We were greatly shocked in reference to the poor workmanship Of these units.*  
Running new feed lines for the antennas above (already procured)  
*The above 4 items should be completed about 2 weeks after the tower has been reguied.*

Removal of following antennas and outrigger from 100 foot tower

144 MHz contest beam  
432 Mhz contest beam  
1296 MHz contest beam  
220 MHz beam

*This was completed on the day of the Corn Roast*

Mount utility box with preamps (already procured)

*At this time we have decided not to use the preamps.*

Replace above antennas on single mast

*This should be another Saturday morning work party*

Replace antenna rotor damaged by lightning

## Gregs Site

### Completed

Install back up repeater for 146.97  
*Construction of the DTMF decoder is complete*

### To be completed

Hold another clean-up work party  
Install DTMF decoder to enable remote control of above repeater  
Install receiver multicoupler for 146.37 MHz receivers  
Reinstall remote receiver using 223 link back to club  
Evaluate condition of antennas

*Continued on page 6*



**Keystone VHF Club  
General Meeting Minutes of  
August 7, 2014  
By Sandy Goodman, N3ECF –**

The General Club Meeting held at Keystone VHF Club was called to order by Pres. Dick WA3USG at 19:04. There were 31 members present, plus 2 previous members (Jeff Salzman, KT6A, and Jim Woof, N3QZS) who were reinstated, and 1 guest (Doug Good, KC3AYT). Doug and Jeff have both been on the digital NET.

**TECHNICAL HAPPENINGS:** Dick mentioned that the trip to Eden Mill near Fawn Grove would be delayed until after the end of October. The mill is closed for some work. He then demonstrated and talked about some equipment: Go Kit Bag advertised in QST, his 2 meter kit he used at Mt. Davis, Rock Mite II 20 meter CW transceiver kit, and a Black Widow Vertical.

**SECRETARY REPORT:** Sandy, N3ECF. Steve, WB3EFA, moved to accept the July minutes as published, 2<sup>nd</sup> by Tim, KC3BWP. Motion carried.

**TREASURER REPORT:** Linda, KB3EBV, reported for July: Income: \$510.10; Expenses: \$347.56; Net income of \$222.54. Balances: Club CD \$7,628.03; Checking Acct \$5,433.77; Trustee Acct \$706.64; Total \$13,768.44. Rich, KR3EE, moved to accept the report. Don, N3OSO, seconded the motion. Motion carried.

**COMMITTEE REPORTS:**

**TRUSTEE REPORT –** Jeff, KB3RCT, reported that the parking lot was sprayed and the weeds are dying. Mowing is down to every 2 or 3 weeks.

**TECHNICAL COMMITTEE REPORT --** Dick, WA3USG, said the duplexers have been hung up on the wall and the Quantar receiver has been mounted in the rack. Chris and Kevin are working on the controller and receiver. We hope to get the HF antenna up in the next month or two. Discussion was held about plans for the multi-band antenna. Brad, NO3T, moved to spend up to \$1500 for an HF/VHF beam antenna. Chip, W3FJD, seconded the motion. The motion passed with 1 nay vote.

**EMCOMM/PUBLIC SERVICE NEWS –** Sandy, N3ECF, stated that the MS Bike Tour was the easiest one she had worked, with the best weather yet. Only a few bikers were SAGed, and no major accidents happened. She also mentioned the upcoming public service events, and asked volunteers to sign up: Red Lion Street Fair (Aug 9), King's Gap Time Trials (Aug 30 – contact N3HFS Franz), KTA Hike (Sept 6), and Three Creek Century Bike Ride (Sept 21).

**VE/ED REPORT -** Steve, WB3EFA, reported that 1 person tested for an upgrade, but failed twice. Shrewsbury testing will be this Saturday (Aug 9).

**CONTEST REPORT -** September VHF contest is coming up, with the PA QSO the second weekend of October.

**NEWSLETTER/WEBSITE –** Dick, WA3USG, advised the newsletter will be back to monthly. He asked for help with the Website. Jeff Salzman, KT6A, may help.

**OLD BUSINESS:** none

**NEW BUSINESS:** Two previous members were re-instated: Jeff Salzman, KT6A, was previously K1TUX, and Jim Woof, N3QZS.

Larry, N3LED, mentioned the planning to cut down 7 trees. After a lively discussion, Chip, W3FJD, moved to approve \$1000 for the proposal to cut down the planned 7 trees, plus some extra work. Motion carried.

**GOOD OF THE CLUB -**

PA Amateur Radio Conference being held October 4 is open for registration. See the SMRA website N3TWT.org for information and registration. Jeff, KB3RCT, showed posters of the band plans that he got at the Berryville Hamfest.

50-50: Chip, W3FJD, won \$28.50 and donated it to the club. Thank you Chip.

Adjourned at 7:57 pm, with an Ice Cream Social following the meeting.

**Other Outside Work - clubsite**

**Completed**

- Clean out shed - get rid of unused items
- Install outdoor Internet Access Point (already procured)

**To be completed**

- Final organization of shed - catalog equipment (it never ends)
  - Inspect & clean/maintain all tower guy anchors
  - Replace camera on 180 foot tower (already procured)
  - Take scrap cabling/wire/junk to salvage yard
- This has been completed.**



This was the first time that the pneumatic mast has lifted the two beams to about the 35 foot level. This system will be used to hoist antennas to the 40 foot level for our public service events and will be invaluable for contesting. Tim will demonstrate this system at the upcoming meeting!

# 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: \_\_\_\_\_