



The VHF Transmitter

Keystone VHF Club, Inc.

W3HZU

Founded 1955 – York, PA



VOL 54 No 4

CIRCULATION 130

April, 2009

Upcoming Ham Radio Class April 18th & 19th 2009

Hosted by York County Emergency Management Agency

Class runs from 8 AM to 5 PM on Saturday and from 8 AM to 4 PM on Sunday (exam dependent).

Location:

York EMA 911 Center
120 Davies Drive
York, Pa. 17402

FCC Examination on site

Cost: \$15.00 Examination Fee

Free parking. Local eateries.

What to bring:

- ? An open mind
- ? An expectation to learn
- ? Pen and paper
- ? A simple calculator
(ADD SUBTRACT MULTIPLY DIVIDE)

Contacts:

Ron Small wb3oob@arrl.net (717) 481-8589

Joe Ryan arccdvd@comcast.net (570) 915-6053

Tom Graybill graybill@ycdes.org

Web Link: <http://www.ycdes.org>

Jim Strauss, K3JFL in Hospital

By Bob Riese, K3DJC

Jim Strauss, K3JFL has been in the York Hosp room 203 with a blood clot in his leg and in his lung. He appears to be on the mend. I was over to see him Friday and probably will stop over tomorrow, Sunday.

Longaberger Basket Bingo

By Brad Tracey, N3NRN

The Hilltop Transmitting Association is holding a Longaberger Basket Bingo on April 4th, 2009 at the Chanceford Community Center in Brogue. We are advertizing it in the paper and using any way we can to get the work out about our event. This is a major fundraiser for our organization and we could use all the help we can get. Thank you in advance for your help. If anyone has any questions please contact me.

Sincerely,

Brad L. Tracey, President
Hilltop Transmitting Association
n3nrm@verizon.net

Kathy Dellinger, KA3THC Receives PEMA Advanced Certification



EMC Kathy Dellinger received PEMA Advanced Certification at Quarterly Training in January.

There was a full schedule at the January Quarterly Training. Emergency Management officials from the Northern York Emergency Task Force gave an After Action Report on an exercise they conducted back in the Fall. Afterwards they also briefed the group on the earthquake activity in the Dillsburg area. The next Quarterly Training is on the calendar and will be offered at two different times at YCDES; April 1st at 7 PM and April 4th at 9 AM.

Spring is almost here and so is the threat of severe storms. YCOEM Deputy Director Mike Fetrow will conduct a brief review of the procedures for damage reporting. Also, there's a movement in the Pandemic Planning. Mike will go over the Points of Dispensing (POD) plan as it relates to the Strategic National Stockpile (SNS). Some details need to be worked out. Please come to Quarterly Training ready to discuss the POD plan.

Our EMC Quarterly Training is scheduled for April 1, 2009 from 7 -10 pm or April 4th from 9 am – 12pm. The main agenda items are:

1. Damage Assessment Course
2. Point of Distribution (POD) Site update
3. Review of the Weather Drill
4. **Radio Training on the new radio profile**

As Ham radio operators working the TMI Drill you might want to consider attending one of these two meetings. The reason is that there will be training on the new EMA radios and you may be asked to operate those radios at your EOC. If you can and want to attend please email Jeff Joy at JSJoy@ycdes.org to let him know that you are attending as a Ham operator that will be working at (your EOC) for the TMI Drill.

York (and the Clubs) Newest Ham!

By Dick Goodman, WA3USG

We have a brand new ham in our club! Zackary Ferree, the Son of club member Jeff Ferree, KA3HKI passed his Tech license test at the Timonium hamfest on this very day (Sunday)!

Zack is a 17 year old Junior attending High School at Cedar Cliff up near New Cumberland. He is a distinguished Honor Roll student. Kudos go out to Zack for only missing one question on the test!



I had the privilege of meeting Zack at the hamfest on Saturday. His Dad Jeff, Paul Schreck, Kimball, and Zack were all walking around browsing for deals when I came upon them. We chatted for awhile and I was introduced to Zack. I could tell from his attitude that he was a bit excited about getting his license. At that time, Zack was going to take his test in a couple of weeks ... it's great that he went down the next day and virtually aced it! **Welcome to the hobby!**

Hey Gang, Bob Riese, K3DJC, our Net Control Op for the 75 meter net has suggested a possible move to 40 meters for the Summer. What do you think? See the article on 40 meters on page three of this issue. The shortwave stations are mostly gone and 40M will be a lot quieter during thunderstorm season. It would be kinda nice to see our HF net continue.

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



Trustees Report for February 2009

By Paul Schreck, N3VI

The Trustees did nothing during the month of March. Nada, zip, zilch. We're not proud of it, but it is what it is.

We will need to do a major clean up prior to the May meeting and are going to need help. Sticks and limbs will need to be picked up and leaves need to be removed from the pavilion area. Also the picnic tables will need to be moved into their summer positions. We will send out a request for help over the next few weeks and would appreciate any help that the membership offers.

SCTF – ARWG Drill May 2nd

We have a May 2, 2009 Communications Drill coming up. The Drill will run from 10:00 AM to 2:00 PM. The purpose of the drill is to test all the repeaters in the communications plan to identify which facilities can use which repeaters. Second, we want to identify which facilities can contact which other facilities on Simplex. We need to have at least all 8 EOCs, PEMA, and as many hospitals on the air as possible. Please contact Alan, WB3FTD at wb3ftd@arri.net.

Please coordinate with your ARES EC or RACES RO on the drill for access to facilities they have the responsibility for. If you need help getting coordination cleared with a facility please contact Dan Sullivan at djs13pa@me.com for any EOC issues or Paul, KD8WY at paulherr@comcast.net for any hospital issues.

Coordinated by the Training Committee
N3JOX - Ed McGowan, Lebanon
WB3FTD - Alan Frame, York
WB2OOB - Ron Small, Lancaster

Information in reference to our "Outdoor events" is beginning to trickle in. I have attended two ADA Tour de Cure meetings and one MS-150 Bike Tour meeting. I will have the Web Site updated with all of this information within the next week. Information for our 21 mile hike in the Tuscarora State Forest is also becoming available. I know the route of the first 12 miles, the second half of the hike has not been finalized yet. We will be staying overnight Friday in the "Bunk House" again this year. I will get this preliminary information up on the Web site shortly. I hope to see many of you at all of these events ... they make for a great day out in the fresh air! 73, Dick, WA3USG

Have you paid your Dues ?

Your club membership dues for the year 2009 are now payable

(Just in case that you forgot !)

Full Membership only \$20.00

Family Members still \$ 5.00

Full members under 18 \$10.00

Make checks payable to: Keystone VHF Club

See your treasurer at the next club meeting or for same day service send check directly to:

Linda Warner
125 Southview Dr.
York, PA. 17402

Scheduled Events for 2009

Three Mile Island (TMI) Drill	14 April 2009
The ARC of York Hike & Bike	25 April 2009
The March of Dimes March for Babies	26 April 2009
The Multiple Sclerosis Society York MS Walk	19 April 2009
The American Diabetes Association Tour de Cure	30 & 31 May
The ARC of York 10 mile Hike & Bike	22 Aug 2009
The MS-150 Bike Tour (Lancaster area)	18/19 July 2009
The 2009 SATC Hike for Habitat	19 Sept 2009

*** Note: The Club Web site has all of these events listed under the "Events" section. The details of each may be seen by clicking on the event itself.

2009 TMI Nuclear Power Plant Drill

Date: April 14, 2009

Amateur Radio EmComm will again participate in the TMI Drill. We are being asked to setup communications from twelve (12) boro/township EMA EOCs. The times will most likely be between 5 PM and 10 PM. We would like to have at least two operators as each location, more at the County EOC.

We want an 'experienced' operator at each location plus a 'new' operator to learn the procedures etc.

Some of the EOC's have radio and antenna installed while others have nothing. So having your own equipment is a plus(especially for the experienced operator).

Message traffic may be higher this year as the old County EMA radio system no longer exists and the new trunking system may not be working?

Please contact Walt K3DQB at K3DQB@arri.net or via telephone/radio if you are interested in participating. You may also contact Jack N3BQB at jkdelli@aol.com.

The following are the EOCs that we need to man:

- | | |
|-----------------------------------|-------------------------------------------|
| 1. Fairview - K3JIM, K3SUN | 8 Mount Wolf (NE) - ** |
| 2. York Haven - N3BQB, N3VI | 9. Manchester Boro(NE) -** |
| 3. Goldsboro - N3CSV | 10. . Manchester TWP |
| 4. /Lewisberry - WA3USG, N3ECF | 11. Conewago - AB3EM, KB3IGH |
| 5. Warrington - KR3EE, K3HQI | 12. Dover - WB3FTD |
| 6. East Manchester(NE) - KM3G | 13. Hellam TWP - WY6Z, K3KLS |
| 7. Springettsbury - N3UAC, N3NBT? | 14. York County - K3DQD,
KA3THC, N3RBT |

SkyWarn Training to be Offered

York County Office of Emergency Management will sponsor SKYWARN training at their facility at 120 Davies Rd, York PA, on Saturday May 23rd, 2009, between 9 AM and noon. This will be a combination of standard and advanced training. SKYWARN training is open to all citizens, there is no requirement for an Amateur Radio license. Contact Tom Graybill at TAGraybill@ycdes.org if you are interested in attending.

Dan Sullivan sent this notice out from the SMRA Group. You might want to notify other APRS users about this.

At 10EDT/9CDT, 4 April, 2009 (wx date 18 April 2009), 15 universities will launch ballons carrying amateur radio APRS, as part of the Halo 2 project.

Look for the call signs KB9ZNZ (1 - 15) on 144.390, in In, IL, Mn, Oh, Tn, Va, & other states, basically all east of the Mississippi River.

Here is a link to the site.

<http://www.ARHAB.org>

Enjoy.

73/75 de ka9jwx, Paul Lewis Webster

40 Meter Band Being Completely Returned to Amateur Service!

As decided by WRC-03, we get the upper part of 40 meters back this month, world-wide! It almost seems like very few want this information disseminated, I almost fell out of my chair after bringing in the latest issue of ER in from the mailbox. I thought it was NEXT year. Nothing to be found on the ARRL site, except an editorial back in 2000 proposing the return of the upper part of the band.

For every two things they do right, it always seems they develop a bad case of cephalo-posterioritis on something else, and a lot of the reporting is a day late and a dollar short. I then spent some time looking through AMfone.net, but they don't seem to be discussing it either. Makes me wonder if the saying about fone-only operators might be at least partially true: "Without CW, its just CB." Maybe they're just fine sitting on one frequency on a band that usually goes flat by 10pm.

The only place I found on the net that has it straight and out in the open is Wikipedia. http://en.wikipedia.org/wiki/40_meters

I don't get it... Unless the word gets out, there'll be no one ON the upper part of 40m when it opens up! C'mon, this is a BIG deal! I'm betting this news is a big surprise to many here, please respond to the thread if that is correct. Regardless, three Sunday nights from now I'm going to have the DX-100 fired up on 7290!

73, Jason KF6PQT

A Follow-up by Bob Riese, K3DJC

I don't know if you have tuned around lately but the SW stations are gone. I tuned up last night and made a quick contact. station from Il faded a group from Montana were running a net of some kind.

I wonder if we should shift the net to 40 meters over summer see what propagation is like.

From Dick, WA3USG

It's almost scary that the band is so quiet! I was on 40 meters on Friday evening and worked a guy in California! I can remember back in 1973, the year I got my license. 40 meters was a hopping band! I worked more stations in California than any other state! The signals were strong too ... 20 to 30 DB over S9 most of the time from the western states. I was using a HyGain Model 18AVQ ground mounted outside my apartment building in Goose Creek, SC. I didn't have any ground radials either, just a 4 foot ground rid. I had the antenna mounted on a short piece of TV mast that I hammered into the ground. Man ... that antenna worked well!

The VHF Transmitter

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199 Maple Lane
Mechanicsburg, Pa.
(same as above)



Really Good Stuff Cheap!

Dick Goodman, WA3USG

Wa3usg@verizon.net

Oh ... I'm having regrets! I went to the Timonium Hamfest last Saturday and saw the most beautiful Technics Reel to Reel Tape Deck that I've ever laid my eyes on! The seller had a tape playing on it ... I think that it was Peter Frampton from right out of the 70's! He had a couple of computer speakers connected to the line level outputs and damn ... the thing sounded downright righteous!

I must have stood in awe for a good 5 minutes just listening & watching that beautiful device. Kimball, Jeff Farree, his son Zackary, and Paul Schreck walked up behind me and in my moment of weakness, tried to convince me to buy it ... if only I had listened! If only

What's with Reel to Reel tape Decks anyway? They draw me to them like a magnet ... and flashlights! What self respecting dude can fight the irresistible urge to pick up a finely machined flashlight. About 3 weeks ago, during a Thursday night Tech Session at the club, Paul, N3VI reached into his pocket and withdrew a stealthy and unassuming L.E.D. flashlight. Now I'm as big on flashlights as I am on Reel to Reel tape decks. This little gem was small. Initially, I was unimpressed, but by the way Paul was handling it ... almost reverently ... I got the feeling that there was something here that didn't quite meet the eye!

Paul snapped the light on ... immediately, it had the attention of everyone in the room. Damn that thing was incredibly bright! Tim Barefoot, AA3BJ and I were both absolutely astounded by the performance of this little thing that measured about 5 inches in length by less than 1 inch in diameter. Both Tim & I are "Flashlight affectionados" and up to this time, I believe we thought we were King of the Hill in these matters. But now to our chagrin, we realized that there was a "Flashlight Gap" up at the Keystone VHF Club ... and we were on the losing end! Not only this, but we found out that Paul had actually built his flashlight! We were appalled ... our manhood was at stake! We found that Paul's light had an illumination rating of 250 Lumens. Tim got on E-bay and found a very similar sized light available from Hong Kong ... it was \$30.00 but it was 285 Lumens! We each immediately ordered one on-line using PayPal! Okay ... maybe we didn't build our flashlights but ours would be brighter!!

About two weeks later, they arrived! The "UltraFire" is gun metal black. It comes with a little Velcro holster and is less than 5 inches in length. These little things are beauties! I've had mine outside and compared it to my 5 cell MagLight with a Krypton bulb. I've always thought that the MagLight was the epitome of the flashlight. It uses 5 D-Cells, is close to 2 feet in length, has a lens close to 3 inches in diameter, packs extreme lighting power, and can even serve as an effective blunt instrument weapon! Well the MagLight has finally met it's match! The UltraLight packs a much greater lighting punch! At this time, the Flashlight gap still exists but is now in Tim & my favor! However, we did discover another small L.E.D. flashlight on E-Bay rated at over 900 Lumens!

Will the war continue?? Stay tuned!



The "UltraFire" is on the top. I even put 5 brand new Duracells in the MagLight to ensure a fair comparison

The 2009 ARRL DX Contest

By Dave All, N3XUD

Brad (N3NRN) with assistant operators N3JDQ, K3NK, and N3XUD (Dave All) were quite busy during the ARRL DX contest, March 7-9, 2009. Brad started off Friday night, then Saturday morning N3XUD arrived to offer some assistance. This was N3XUD's first experience of an HF contest where everyone was concentrated on one band. Twenty meters was where all the action was and to say the least it was crowded. But with the great guidance of N3NRN he showed me how to handle the condition and then handed me the mike and said "your turn". It really took some getting used to but after about an hour of tuning up and down the band I was comfortable. I was able to even work 2 or 3 countries that were new for Brad. That made me really happy.

K3NK came in around 1 PM for the second shift followed by N3JDQ at around 5 PM for the 3rd shift. N3JDQ and N3NRN worked a lot of Japan stations as 80m opened up for them. I then returned on Sunday morning for another shift. 20m was still as crowded as it was on Saturday, but with the previous days experience under my belt I felt a lot more comfortable. N3NRN and I would trade on and off the mike till I left a little after 2pm. When I left then we had 410 QSOs.

N3NRN's goal was 500 qso's. The final unofficial tally was 460 qso's. I just want to say great job Brad (N3NRN), Brad (N3JQ), and Jim (K3NK). As well as a big thank you to N3NRN for allowing me to operate this contest from his home.



Dave, N3XUD looking for yet another contact!

Don't Forget About 2 meter Simplex!

By Dave All, N3XUD

With the June VHF QSO Party right around the corner, I would like to just throw out a few reminders. In our clubs general geographical region we have a great location that allows for any one with a mobile and or handheld transmitter and a magnetic mount antenna to be a rover. The FM19 and FN10 dividing line runs between the Galleria mall (FM19) and the club site (FN10). So by definition for a rover you must activate two grids. All the while running around town doing what ever you do on the weekend. Or you could remain in only one grid and give out points to any one you might hear.

On the weekends I hear lots of chatter on the repeater. That is great. There are a few of us in this area that enjoy contesting and at the present time don't have all mode radios. There are even some local "big gun" stations that will call on 2m FM looking for anyone. The most common freq. that I have found for this 146.55mhz. Personally I have two local repeater frequencies and 146.55 programmed into the first 3 memory channels of my radio. I will then use the memory scan feature as I drive around on a contest weekend when I am not

actively contesting that is.

This area has a large number of active on the air repeater users. Let's see if we all can't benefit by testing the true capabilities of our radios and antennas. You will be amazed at just how far away you can hear on 2m FM simplex. For example there is the Tri State 2m FM simplex net that meets weekly on Thursday nights at 2030 local, on 146.55. This net is a great way to see just how far away you can hear on simplex. If you see and or hear that a contest is coming up it would be nice to an increase in the 2M FM simplex operation in this area.

The Spring VHF & Up Sprints are on!

The 144, 222 and 432 MHz events will be in April, each continuing with the traditional "band activity night" and from 7pm to 11pm Local time.

144 MHz will be on Monday, April 6th, 2009.

222 MHz will be on Tuesday, April 14th, 2009

432 MHz will be on Wednesday, April 22nd, 2009.
The Microwave/902 MHz & Up will be on Saturday, May 2nd, 2009, from 6am to 1pm LOCAL time.

The 50 MHz Sprint will remain as the ONE event that is in UTC, start time 2300Z on May 9th, through 0300Z on May 10th, 2009. "Locally" (within where most of the participants have been), this will be on Saturday in the evening (part of late afternoon for the more western participants).

FOR SALE - WANTED

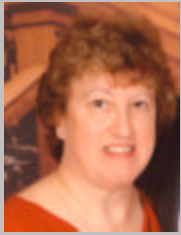
4 each 20' sections of Commercial grade triangular Tower.Made by Stainless Inc., of North Wales,PA, Model G-17.Sections 15" c/c face, 1-1/2" dia legs, 1/4 thick and weigh 180 lbs each. Spec sheets in hand.

These tower sections are part of the estate of the late Bob Dickenson, W3HJ, (formerly W2CCE). He never put them up, and have been stored in a barn. They are in like-new condition. The property, near Quakertown,PA, is sold and Settlement date is April 15, so they must be removed. If no takers by April 10 they will go to a scrap dealer. Any reasonable offer must be sincere, and real soon. I can help with arranging removal and hauling. Contact me by phone, (610-346-7313) or via e-mail at w3tdf@juno.com.

73, Ray



Hail from the QTH of Bob Riese, K3DJC located next to York Hospital. This was from the storms passing through on Sunday, 29 March.



**Keystone VHF Club
General Meeting Minutes of
January 8, 2009
By Sandy Goodman, N3ECF**

Meeting held at York EOC was called to order by Pres. Dick WA3USG at 1904. There were 25 members present and 2 guests.

PRESIDENT COMMENTS - Dick WA3USG

Newsletter was out on time. More videos are being added to the website.

SHOW AND TELL:

Tim, KB3OFE, showed his off his rocket that he launches with an APRS transmitter. Lew Prince showed his 6 meter Gooney Box.

PRESENTATION: Jeff Ferree gave an overview presentation on "Ham Radio Deluxe". This is a program for operating the digital modes over the air. That software can be downloaded from ftp.ham-radio.ch/common/ppt/HRD_W9DHI.ppt. For more information, google Ham Radio Deluxe on the web.

SECRETARY REPORT: reported in Newsletter. Motion to accept as published by Paul, N3VI; 2nd by Don, KB3LHT. Motion carried.

TREASURER REPORT - Linda KB3EBV

Income: \$798.23

Expenses: \$926.17 for a net of \$-127.94.

Balances: 2 CD \$9049.27

Checking Acct \$2,968.79

Trustee Acct \$366.30 for a Total of \$12,384.36.

The high expense included payment for the insurance. Motion to accept by Lee, WB3HNA; 2nd by Harry, N3KYR. Motion carried.

COMMITTEE REPORTS:

TECH REPORT - Tim KB3OFE

Repeater is not yet fixed. The PCs are running great. Let Tim know if any problems are encountered. Echolink is up and running.

CONTEST REPORT - An attempt was made to participate in the WSJT 6m/2m sprint contest. Only 1 confirmed contact was made to Elizabethtown. There was an unconfirmed contact attempted with Lititz.

EMCOMM/PUBLIC SERVICE NEWS - Jack, N3BQB

Jack, N3BQB, and Rich, KR3EE, participated in the Severe Weather Drill this morning. They connected with PEMA on the 147.05 repeater. There were 8 check-ins on the 146.97 repeater. The drill lasted about an hour. The drill was an attempt to see how many people were listening.

We are short of operators for the TMI Drill on April 14. About 10 more operators are needed. This will be evaluated by PEMA/FEMA. Also, there will be Skywarn Training on May 23. Contact Tom, Graybill, KB3ETG, if interested.

SPCG is supporting a Boy Scout Day of Scouting on April 24-26. Amateurs are needed to demonstrate amateur radio. Also, counselors are needed for supervision. Contact Nate Kirschman, N6PHW, if willing to volunteer.

Dick, WA3USG, described the High Speed Digital Network which Gary Blacksmith, WA3CPO, is developing with the SMRA and CPRA clubs. According to Jack, N3BQB, the Task Forces wants proof of concept and may eventually fund some of the effort. This project does avoid the internet and landlines. This system works totally under RF. Motion by Paul, N3VI,

with a 2nd from Lee, WB3HNA, to allocate \$400 in support of this effort. Motion passed.

TRUSTEE REPORT - included in newsletter.

VE/ED REPORT - dates are on the website. No one registered for the testing on March 7, so that has been cancelled.

OLD BUSINESS -

Our CPA is still working on the 501(c)3 application.

NEW BUSINESS -

For Field Day, the Red Lion Hilltoppers invite us to participate at their pavilion. A committee was formed to determine what we will do: Paul, N3VI, Tim, KB3OFE, Dick, WA3USG, Kimball, K3KLS, and Ralph, WB3EOE.

GOOD OF THE CLUB -

Hilltoppers are conducting a Basket Bingo. Details will be posted on the website.

Rich, KR3EE, reported that the combined Monday night NET is averaging 25 check-ins and running an average of 21 minutes, with 5 or 6 pieces of traffic. NCS operators will rotate through the same list. We still need 5 to 10 minutes of training content. Let Rich know if you have anything to contribute.

50-50 was won by Bob Storm, WB3EAF, \$14.50.

Motion to adjourn by Paul, N3VI; 2nd Sandy, N3ECF. Adjourned at 2032.



Hey! Check this out! This is our own Life member, Doug Reed, N3AIA ... looks like he's driving the Pace Car at the "Kobalt Tools 500" at the Atlanta Motor Speedway! Some guys move south to retire ... Doug's like the EverReady EneGizer Bunny ... he just keeps on going, and going, and going

**CHAPTER 165 BLURB SPECIAL EDITION
MARCH 2009**

It's not time for the regular newsletter but I have a question and some news to pass on. First the news: Charlie Arnold W3PRG our past president has been awarded the 60 year continuous membership award by the ARRL. That is a great accomplishment and we are proud of you Charlie. I won't live long enough to be a member for 60 years.

Now the question: I need an answer from each of you. When Chip N3IW sent me the minutes from the last meeting he mentioned that there had been some discussion about our next meeting of April 11th. being too close to Easter. (the day before)

I need to know if this should be moved to April 25th. Remember the week after the 11th. is the York Hamfest. It would be possible to hold it then at the hamfest but that would have to be after 2 PM and no lunch.

So get back to me ASAP should we change the date and to when?

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 Collecte _____
 Applicant Sponsored by: _____