



The VHF Transmitter



Keystone VHF Club, Inc. W3HZU Founded 1955 – York, PA

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June, 2009

American Diabetes Association “Tour de Cure” Summary

By Dick Goodman, WA3USG

On May 30th and 31st, we provided communications support for the ADAs “Tour de Cure” Bike-a-thon held near Boiling Springs. This year, it was a two day event. The first day was similar to the routes that we’ve covered for the last five years. The longest (100K) route started at the Yellow Breeches Middle School, looped around Mount Holly Springs, past Kings Gap Environmental Center, up through Newville, then back to the school through Carlisle. What was a bit different was the number of riders. I believe that we topped 600 cyclists this year ... the highest number in memory.

We manned rest stops and the start/finish at the school. Additionally, we provided three SAG vehicles and a communicator to ride in a vehicle supplied and driven by folks from Saturn.

The weather was beautiful with temperatures in the mid 70’s. Incidents during the ride were minor. We had one group of five riders on the 50K route get lost, even so, we located them right away and they completed the ride successfully. One poor rider had five (5) flat tires along the way ... but ultimately, he also finished.

Out of the 600+ riders that started, I believe that we had less than 6 who didn’t complete the course. This was quite different from the MS-150 ride last year in Millersburg where out of about 600 riders, a good 10% didn’t finish and had to be sagged ... during this event the temperature soared into the 90’s however.

After the ride, cyclists and volunteers were treated to dinner in the school. This was the first year that the ADA didn’t have Spaghetti! It was Chili, Corn Bread, and Salad. Not good!!

The second day of the event was a 16 mile Mountain Bike ride on trails in the Micheux State Forest. We ended up with 55 riders taking part. This started at 9 AM at Big Flat on the ATV/Snowmobile parking lot. For this event, we manned the Start/Stop location at Big Flat and three check points along the trails.

We were able to keep track of every cyclist as they passed each check point by using their rider numbers. Our job as well as keeping track of the riders, was to ensure that they went in the correct direction after they departed the check point.

The ride was rough! There were some steep climbs, drops, extremely rocky areas, and places where the trail got very narrow. Some of the folks who passed my check point were even a little bloody! Out of the 55 participants, we had close to a dozen who didn’t make it around the entire course. The weather for this day was again beautiful. The last rider finished at about 1 PM.

and lunch was provided by the ADA for everyone back at Big Flat.

In summary, I believe that this years event was the best in the six years that we’ve supported it. It had the most riders, the ADA really had their act together, and we as communicators did a fantastic job keeping track of everything that was going on.

Special kudo’s go out to Steve Gobat, KA3PDQ from R.E.A.C.T. for again taking the job as Net Control at the school in the R.E.A.C.T. communications van. This really gives Amateur Radio high visibility at any event!

The following folks participated and did a glowing job:

Day 1 – Boiling Springs area

- Net Control** – Steve Gobat, KA3PDQ
- Trine Park RS** – Bob Gundlach, N3NBT
- Huntsdale Fish Hatchery RS** – Kimball Shaud, K3KLS and Jeff Ferree, KA3HKI
- Laughlin Mill RS** – Kathy Dellinger, KA3THC and Jack Dellinger, N3BQB
- Sheaffers Coal RS** – Tom Graybill, KB3ETG
- Agway Store RS** – Chip Diamond, W3FJD
- Mount Zion Church RS** – Donna Lee, N3VPJ
- SAG-1** – Dick Goodman, WA3USG
- SAG-2** – Ralph Brandt, K3HQB
- SAG-3** – Sandy Goodman, N3ECF
- SAG-5 (Comm)** – Steve Steffan, WB3EFA

Day 2 – Micheux State Forest:

- Big Flat (Net Cont)** – Sandy Goodman, N3ECF
- Trail CP-1** – Tom Graybill, KB3ETG
- Trail CP-2** – Ralph Brandt, K3HQB
- Trail CP-3** – Dick Goodman, WA3USG

Having Steve ride as a communicator in the vehicle provided and driven by Saturn worked out quite well. Using Steve, we were able to switch his vehicle to areas with the most traffic when the need arose.

I would also like to add that when I asked Ralph, K3HQB if he would be willing to drive his own vehicle as a SAG, not only was he more than willing, he even went out and spent a considerable sum for a bicycle rack!

The week before the event, Ralph also went out with me to Micheux State Forest so we could determine what repeaters/frequencies could be used for this event. It was during this trip that we discovered simplex would work and no repeaters would be necessary.

Again, thanks to everyone who participated. Tom, KB3ETG and Sandy, N3ECF participated both days and for Tom, that was a long drive. I believe that this was the best year

Field day is coming up in just 3 weeks. I’ve only heard from 1 person so far ... I’m getting a little worried. If you intend to be there please drop me an e-mail: wa3usg@verizon.net Thanks, Dick

Our next Event: The MS-150 Bike Tour

July 18th and 19th are the dates for the MS-150 Bike Tour in Millersville. This ride gets its name from the possible mileage the riders can make over the two days of this event. Actually on the first day there is a 100 mile century loop so I suppose that one could do that the first day and then the 75 mile route the second day for a whopping 175 miles. Regardless ... I don’t think that many of us in the club are going to be bicycling anywhere that day ... hopefully we will be communicating.

I’m looking for volunteers for rest stops and to ride with SAGs. This is the ride where we get to spend Friday & Saturday nights in a dorm room at Millersville University. Yes ... it’s the 60’s all over again! Additionally, dinner on Saturday after the ride and breakfast on Sunday are provided.

This is an enjoyable event. Sometimes (but not every time) the Trogg’s Brewery has a stand set up and are offering free samples. Friday & Saturday evenings are fun. We all usually meet at a local eatery in the Lancaster area. I’ll be coming out with an e-mail in the next week asking for volunteers. Hope to see you there!

Was sitting in the shack this evening and received an email from Buzz Kutcher, K3GKW in Jenkinsburg, GA stating that 10 meters was open. I went to 10 meters and heard a good bit of traffic from the south and west. Found a clear frequency, then sent a reply to Buzz that I was listening on 28.380.

Several minutes I heard him calling me. We had a 10 minute chat with S9 signals. Hope this is a sign of things to come.

Bob N3NBT

The “Elmer Net” starting at 9 PM (after the regular Monday Night Net) on 97 is going quite well. Jeff Ferree, KA3HKI is net control and the topics of conversation are interesting. If you have questions in reference to any aspect of Amateur Radio, Electronics, Computers, the creation of the Universe or even the meaning of life itself, please check in. The net runs for an average of a little more than an hour and I am certain there will be something of interest for you!

NEXT MEETING
Thursday, June 4th under the pavilion at the club site. Please dress for the weather!

Harrisburg Radio Amateurs Club

W3UU

The HRAC invites you to a special evening with **Laura Smith**,
Esquire,
FCC Special Counsel for Amateur Enforcement.
Wednesday, September 16, 2009
7:00 P.M.

Holiday Inn and Convention Center

148 Sheraton Drive

New Cumberland, PA
(Exit 40A, Route 83, Limekiln Road)
(This exit is located just north the junction of the
PA Turnpike – Harrisburg West exit (#242) and Route 83)
*This meeting is open to all amateurs and we urge you to pass
the word to others in your club or area.*

No reservations required!
Questions, contact:
Glenn Kurzenknabe, K3SWZ
717-774-1728
k3swz@arrl.net

HOUSTON REPRESENTATIVE INTRODUCES AMATEUR RADIO BILL IN CONGRESS

On Wednesday, April 29, Representative Sheila Jackson-Lee (D-TX) introduced HR 2160 -- the "Amateur Radio Emergency Communications Enhancement Act of 2009" -- in the US House of Representatives. This bill, if passed, would "promote and encourage the valuable public service, disaster relief, and emergency communications provided on a volunteer basis by licensees of the Federal Communications Commission in the Amateur Radio Service, by undertaking a study of the uses of Amateur Radio for emergency and disaster relief communications, by identifying unnecessary or unreasonable impediments to the deployment of Amateur Radio emergency and disaster relief communications, and by making recommendations for relief of such unreasonable restrictions so as to expand the uses of Amateur Radio communications in Homeland Security planning and response." The bill has been referred to the Committee on Energy and Commerce

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

The MS-150 Bike Tour (Lancaster area)	18/19 July 2009
The ARC of York 10 mile Run	22 Aug 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..

One Possible Direction of EmComm The SCTF and ARWG By Dick Goodman, WA3USG

The first point that I would like to make absolutely clear is that this article in no way reflects the policy or beliefs of the Keystone VHF Club or any other organization ... it is my opinion and my understanding only.

In 1998 the **South Central Pennsylvania Task Force (SCTF)** was created in response to the growing threat of terrorism and weapons of mass destruction. The SCTF is one of nine regional task forces formed in Pennsylvania. Counties supported by the SCTF are Adams, Cumberland, Dauphin, Franklin, Lancaster, Lebanon, Perry and York. It should be noted that the SCTF is not an Amateur Radio related organization but is actually a sub group of the Department of Homeland Security. The SCTF is run by a Chairperson who is elected from the Emergency Managers of the above eight counties. These Emergency Managers encompass the Executive Board (EB) of the SCTF and have final oversight over all aspects of the Task Force.

Beneath this EB are approximately 11 sub committees and Work Groups. The **Amateur Radio Work Group (ARWG)** is one of those and was established to develop a structure and procedures to provide Amateur Radio emergency communications (EmComm) support to the SCTF.

ARWG EmComm operators will operate as an arm of the SCTF (**a government organization**) and abide by the policies of the SCTF. The ARWG is for all intents & purposes also a government organization. The ARWG is not intended to replace existing ARS emergency services such as RACES, ARES, REACT, or YARS. Furthermore, these preexisting ARS organizations are not functionally part of a government activity. EmComm operators in these organizations may set their own policies and procedures as long as they do not conflict with those of the organizations they are supporting.

ARWG policies differ from those of traditional EmComm support by ARS operators in the past. As part of a government organization (SCTF) we are required to abide by their policies, training requirements, and yes, even their bureaucracy. Some people object to this last part. Up to now, we have always set our own rules. As part of the SCTF we will have to operate by the organizations rules. This is what Police, Fire Fighters, Hazmat teams, and a plethora of other emergency services have always done. It is a step from becoming an "Amateur" EnComm team to a professional one. It will require additional training (as directed by the SCTF) and a change of attitude by the operators.

As a member of the ARWG your current guidelines are:

- ** Attending regularly scheduled meetings
- ** Participating in training sessions & SCTF initiated exercises
- ** Complying with all SCTF policies & procedures
- ** Keeping the ARWG committee apprised of your communications capabilities
- ** Developing a background in EmComm procedures, FCC rules and regulations, and communications net procedures.
- ** Be able to commit at least 12 continuous hours to support incident communications if needed
- ** Support the organization by providing feedback, suggestions, and serving on committees where appropriate.
- ** Complying with volunteer standards established by the SCTF

Continued on Page 3



Trustees Report for June 2009

By Paul Schreck, N3VI

The grass has been mowed multiple times. KA3HKI and K3KLS mowed out of the goodness of their hearts one day. The Trustees greatly appreciate the help and shower them with praise. N3XUD helped N3BQB one afternoon and is also showered with praise. Hail the Non-Trustee grass mowers, for their contribution is superior to our own. The Trustees will gratefully accept any help offered from the membership.

MORE candy and snacks have been purchased. I'm not sure where it all goes since nobody seems to be getting any fatter. OK, that's a lie.

I'm trying to figure out what made me buy peanuts for snacks since the amount of gas coming out of the clubhouse is already greater than most hog farms. I'm waiting for Al Gore to send us a reprimand for our emissions. Out-Gassing seems to be a hobby at KVHFC.

All food items in the clubhouse, with the exception of the small bags of chips, are 50 cents. The chips are 25 cents. Anybody who wants to over pay for these items is encouraged to do so. The Trustees have no problem with that.

Kimball, get down!

Amateur Radio at Trinity High School

By Sean Barnes, N3JQ

Hello fellow ham radio enthusiasts,

We just had a successful (and busy) FCC testing session at Trinity High School and I thought I'd pass along the report to everyone.

Laurel VE Team: Amateur Radio Club of Trinity (ARCoT)
Place: Trinity H S, 3601 Simpson Ferry Rd, Camp Hill, PA 17011
Date: Thursday, April 23, 2009, 12:30 pm
VE Lead & Physics/Radio Instructor: Sean Barnes N3JQ
VE's Present: James Musselman K3XLT, Charles Hooker AD3L, Daniel McGlothlin KB3MUN
Seated to test: 59 (57 Trinity Students, 2 from the community)

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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>

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To change your address for the Newsletter, contact: Dick Goodman, WA3USG
199 Maple Lane
Mechanicsburg, Pa.
(same as above)

Results: 50/59 upgraded: 28 new Technicians, 20 new Generals, 2 new Extras (both of the community applicants passed: Tech & Extra)

Trinity program since inception September 2002:

475 Licenses: 206 Girls, 268 Boys, 1 Club – N3THS

License Class Level: 403 Tech, 60 General, 11 Extra, 1 Club

Students Currently Licensed in the Building: 96

(79 Seniors will graduate, 17 Juniors will return)

(69 Tech, 25 General, 2 Extra)

Thank you all for your continued support of our program. It's hard for me to be the Elmer to so many new hams, so community support is vital. As they near the end of the school year, I always have them turn in a homework assignment: What city will you be in next September? (many off to college) What is the Callsign of the club on campus? (or nearest club in the city that you will be living). Who is the president of that club, and what is his/her e-mail address? I record their homework "points", and return this assignment to them to point them in the right direction next September.

I was at the CPRA/HRAC dinner/meeting with Riley Hollingsworth, K4ZDH, as speaker, last month. He emphasized the need for growth in our hobby by the younger folks both for the numeric support of our hobby, and the intellectual advancement of our next generation(s). I will continue to do my best to get all the students I can influence at Trinity to become licensed and responsible amateur radio operators. I ask you all to continue to make them feel welcome as they 'really' learn how to drive with their license/key on the airwaves.

73, Sean Barnes, N3JQ

Trinity High School Physics (& Trigonometry) teacher

Trustee for N3THS, the Amateur Radio Club of Trinity (ARCoT)

Moderator of the Astronomy Club of Trinity too (AsCoT)

ARWG ... Continued from page 2

There are also expanded training requirements. At this time they are not absolutely finalized. Training must be completed within two (2) calendar years from date of membership:

- ** A valid FCC technician Class (or higher) license
- ** IS-100.a Introduction to Incident Command Systems or ..
- ** IS-100hc Intro to Incident Command Systems for Healthcare/Hospitals
- ** IS-700.a National Incident management System (NIMS), Intro
- ** First Aid/CPR certification (on-going discussion)
- ** Hazardous materials (HAZMAT) Awareness (on-going discussion).
- ** Amateur Radio Emergency Communications Course level 1 or equivalent (Kentucky ARES Emergency Comm Parts 1 & 2).

There is a greater paradigm shift here than most people realize. Not are we only operating IAW another organizations procedures and rules, but we also must conform with (and believe in) their attitudes. There may be times at an incident that you feel we are even performing functions not fully related with Amateur Radio.

It must be realized that Amateur Radio is a tool that we as communicators have the expertise to utilize. Depending upon the incident, this tool may only be a small part in what is necessary to get a particular job or function completed. We have to take the attitude that getting the job done is the most important factor, regardless of what Amateur Radio's role is in this instance.

Right now the SCTF doesn't really know our capabilities. They don't know where we fit in. The next several months (or years) will be critical in the way they perceive us. We have to be flexible, we have to conform to their standards. We may be asked to perform functions that you feel are not related to our hobby ... but remember, we are now outside the realm of a hobby.

My XYL Sandy, N3ECF received an e-mail from someone (I won't mention names). This person stated "*Amateur Radio is a hobby and if that is all you want to do with it then fine, just DO IT. However if you want to be part of Emergency Communications as a licensed Amateur Radio operator, then you enter a whole different ball game where there are rules and regulations that go far beyond a hobby. It should be a simple choice, just a hobby or public service.*"

Keystone VHF Club – “Constructors Corner”
APRS Tracker for the VX-7 Hand Held
By Tim Beck, KB3OFE

It's been about a couple of years since Mike (N3VQH) & I demonstrated the very cool tracking features of Bob Bruningas APRS (Automatic Position/Packet Reporting System) at a summer club meeting in the pavilion. Mike rode his bicycle around in the dark with my 300mW APRS tracker on board and I demonstrated the basic software tools (with the help of the PC projector & screen) that could track him on a map, remarkably, no one got hurt.

Since then we've installed an APRS gateway (I-GATE) at the club that basically listens for tracking device packets on 149.39Mhz and sends the data to the internet for everyone to look at from anywhere (try www.aprs.fi) . Quite a few members have also bought various APRS compatible devices and installed them in their vehicles.

You may have also seen & heard my own experiments to add live Radio-GPS tracking to a model rocket (check out the Club Video section of our website), but some club members have also recently have upgraded their HTs to the new Yaesu VX-8 with built in GPS and APRS features.

The new VX-8 has a boatload APRS & other additional cool features packed into a remarkably small package, but not being ready to ditch my own VX-7, I decided to build an APRS upgrade unit that plugs into the speaker-mic socket of my HT.

My unit consists of 3 three key items, a GPS receiver (\$64), a TNC (\$48, Tiny Track SMT from www.byonics.com) and an enclosure (\$3) & 9V battery. Additionally I wired in a 4 conductor socket to allow the original speaker-mic to be plugged in too.

I had to mill out the RadioShack enclosure to make room for the GPS module on top of the Battery, I also sanded off the enclosure feet to reduce the overall package size and make the unit look a little less boxy.



The wiring is pretty straight forward but gets busy quick when you add a switch and an external speaker-mic socket.

Here's a picture of the completed setup, it works great, it's doesn't offer GPS info or APRS receive functions like the VX-8, but a definitely worthy of a VX-7½ score.



There are few advantageous features of my VX-7½ unit, it offers Smart Beacons which means it automatically transmits when your movement path exceeds a defined turn-slope calculation, that means it uses the minimum number of transmissions to plot your movement, thus saving battery power and reducing frequency congestion. The Tiny Track TNC also offers a programmable and unique GPS power switching signal that can be used to turn off the GPS when it's not required and back on again with suitable position acquisition time (typically 38seconds) before the next transmission is required – saving 60mA of continuous GPS current consumption. thus valuable battery power.

The unit could be made considerably smaller, perhaps even built right into a microphone – for mobile radios with illuminated keypad buttons, the battery can be eliminated completely.

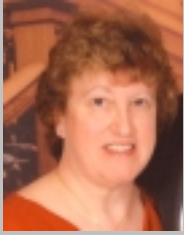
If you're interested in this or any other APRS project, drop me a line at KB3OFE@arrl.net or call me on 146.97Mhz.

38th Annual Pack Rats Flea Market Recession
Priced
Admission

HAMARAMA

Ham radio—Electronics—Computers

Sunday Sept 27, 2009— Middletown Grange
Penns Park Rd, Wrightstown, PA rain or shine
General Admission \$5, sellers add \$10 /car space
Indoor tables \$15ea—Non-ham XYLs and children under 13 free
Food, beverages & facilities on site—No reservations needed
No overnight parking —opens 6AM for sellers and 7AM for buyers
More info , maps & directions at <http://www.packratvhf.com>



**Keystone VHF Club
General Meeting Minutes of
May 7th, 2009
By Sandy Goodman, N3ECF**

The General Meeting was held at Keystone VHF Club was called to order by Pres. Dick WA3USG at 19:04. There were 27 members present and 1 guest (Angel All).

PRESIDENT REPORT: Dick, WA3USG, advised the Newsletter went out just on time. The Website is up to date with videos restored.

SECRETARY REPORT: Paul, N3VI, moved to accept the April minutes as published, 2nd by Harry, N3KYR. Motion carried.

TREASURER REPORT: Linda KB3EBV reported for April: Income: \$490.87; Expenses: \$590.51; for a NET Total of -\$99.64; Account Balances: 2 CDs \$9,049.27; Checking Acct \$3,038.29; Trustee Acct \$331.20; Total \$12,418.76. Ralph, K3HQI, moved to accept the report, 2nd by Lew, K6LAP. Motion carried.

COMMITTEE REPORTS:

TECH REPORT - Tim, KB3OFE reported

- ❑ 2-meter repeater problems still persist. Tim, AA3BJ, was to meet the repeater service rep, but we don't know if that happened yet.
- ❑ The remote site at Conewago is active and working well. Tim, AA3BJ, wants to add the pre-amp site for improvement on the receiver. Tim would like to get the other receiver back on the site at Loganville, near Exit 10 off Route 83
- ❑ Internet is now back up at the club, after some adjustment of settings.
- ❑ The satellite receiver, which was donated by Dick, WA3USG, is now working. Tim asked Dick for the manual for that.

ECHOLINK REPORT – Jim, K3JIM reported that Echolink is back up with the return of the Internet. Will work on the 2-meter once all the problems have been corrected.

CONTEST REPORT - Mike, N3VQH said the June VHF Contest is in the middle of June. Dave, N3XUD, will be working the 6 meter sprint this weekend (weekend of May 9th).

EMCOMM/PUBLIC SERVICE NEWS – Jack, N3BQB reported TMI Drill on May 14th went well. We had 30 HAMs at 12 EOCs. We were the primary communications for a couple of EOCs when their EMA radios weren't working.

- ❑ Public Service events are on the web. Tour De Cure May 30-31 and MS Bike July 17-18 are being organized by Dick, WA3USG. The ARC of York on August 22 will be a run so not as many operators will be needed as were required when the March of Dimes did their walk on the Heritage Trail.
- ❑ Skywarn Training is May 23rd. The correct time is 10 AM to Noon. Tom, KB3ETG, asked to be notified if you're attending so he orders enough donuts and coffee. Tom asked for a email notice and reminder on the NET.
- ❑ The Task Force Working Group held a drill for the EOCs and hospitals to test repeaters and simplex frequencies. Not all sites were manned, but enough to provide a good test. Pager problems were identified. It was noted that interference didn't affect the UHF frequencies, so may be considered for more use. Filters for the VHF frequencies are an alternative to UHF.

TRUSTEE REPORT – Paul, N3VI reported that there were work parties last month and this month. Paul encourages anyone to come up to the club site and help with yard work. Anyone wanting to volunteer to assist in mowing can contact Jack, N3BQB, for access instructions.

VE/ED REPORT - Jack, N3BQB told us that all 12 participants in the April 18-19 Technician training class pass, including our visitor Angel. We had thought Angel was the youngest to pass, but there were 2 children, ages 7 & 8, who came in from Chambersburg to take and pass the test. We have interest from a few of those who passed to join our club.

MEMBERSHIP APPLICATIONS: Second readings were done for Richard Reese, KR3EE, Andrew Hertz, KB3RFH, and Zachary Ferree, KB3SOL. All three were then voted in as new members. First readings were done for Lorna Miller, KB3SST, and Angel All, KB3STA.

OLD BUSINESS:

- ❑ The 501©3 application has been submitted to the IRS.
- ❑ Field Day was discussed. We will participate with the Hilltoppers. There are about 8 members who are interested in participating. Paul, K3VI, moved to authorize use of the club's TS2000 for the contest, 2nd by Kimball, K3KLS. Mike, N3VQH, amended the motion to add that the radio will be signed out and whomever signs it out is responsible for its return. Motion passed. Linda was asked to check the insurance to make sure it's covered when used off site. Bob, K3DJC, moved to spend \$120 to rent the pavilion in Felton, 2nd by Gene, AO3E. Motion passed. Paul, N3VI, moved to approved up to \$50 to be used for food, 2nd by Jack, N3BQB. Motion passed. Jim, K3JIM, requested a meeting with all participants closer to Field Day.
- ❑ The one tenant BIG has removed all their equipment. Triangle Radio is interested in leasing our tower space. It was recommended that we accept them with the same contract that we had with BIG, except their rent will be \$450 per month. Mike, N3VQH, moved to accept that contract, 2nd by Tim, KB3OFE. Motion passed.
- ❑ Club nets are going well. Jeff, KA3HKL, said the Elmer NET is going good. He's had to close down the net at 10 PM to avoid going on until 12:30 AM. Other discussion does continue, but not as an official net. Jeff would eventually like to get some other NET Control Operators. Jeff encourages everyone to check-in, experienced and new operators. Anything for the "love" of HAM radio can be discussed.

NEW BUSINESS:

Dick asked if there was interest in a Pig Roast for fall. Paul, N3VI, moved to provide up to \$250 seed money for the roast, 2nd by Bob, K3DJC. Motion passed. October 3 was approved for the date, with the meal to be no later than 4 PM.

A new air conditioner is needed for the club since all others are no longer working sufficiently. Tim, KB3OFE, moved to spend up to \$300 on a new air conditioner, 2nd by Ralph, K3HQI. Motion was approved.

About 520 E-QSL cards are waiting online. Dick made an account for W3HZU. Mike, N3VQH, will handle with help.

Mike, N3VQH, bought a shop vacuum, which was previously approved. He will provide the receipt to Linda.

GOOD OF THE CLUB: Candy, soda, and water are available, but need to be paid for. Please remember to deposit 50 cents when taking them.

50-50: Lew, K6LAP, won \$20.50. Lew returned it to the club with thanks.

Jim, K3JIM, moved to adjourn, 2nd by Mike, N3VQH. Adjourned at 19:55.

Don't forget to keep an eye on the "What's Hot" section of the club web site for notification of outstanding events!

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: _____