



The VHF Transmitter



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

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November 2001 CALENDAR

*Edited by Bob Gundlach, N3NBT
n3nbt@aol.com*

- Nov. 1 Keystone VHF Club meeting-CYBER Center
- Nov. 1 All Saints Day
- Nov. 3-5 N. American Collegiate ARC Championship, CW
- Nov. 3-5 ARRL November Sweepstakes, CW
- Nov. 6 Hilltoppers ARC meeting
- Nov. 6 Election Day
- Nov. 7 SPCG ARC meeting
- Nov. 10-11 Japan International DX Contest, Phone
- Nov. 12 Veteran's Day
- Nov. 13 York ARC meeting
- Nov. 16 VE Exam-York, PA- 717-292-3529
- Nov. 17-19 ARRL November Sweepstakes, Phone
- Nov. 17-19 N. American Collegiate ARC Sweepstakes-Phone
- Nov. 22 Thanksgiving Day
- Nov. 24 VE Exam-Port Deposit, MD-410-378-2771
- Nov. 24-25 CQ WW DX Contest, CW

EMERGENCY PREPAREDNESS

By Dick Goodman, WA3USG

With the recent developments in the world situation, this is a good time to take a hard look at the role that Amateur Radio may play. Perhaps the best place to start would be to take a good look at your Ham shack. If you lost power from the commercial mains, what bands could you operate on ... and for how long? Most of us have HT's. That would enable us to communicate on 2 meters or 70 cm, at least for a several hours, but what happens when the battery runs down? Do you have a way to recharge the battery without commercial power?

How about your HF equipment? Do you have a way to get on the air at all without the mains? Do you have a way to monitor local over-the-air TV broadcasts (not cable or satellite TV)? Most people have battery-powered radios that will enable extended reception of local AM & FM stations but in an emergency, your TV cable system may not be functional. The capability to receive traditional broadcast television may be very important. In our geographic area, with an outdoor TV antenna, it is possible to receive broadcast TV from as far away as Philadelphia, Baltimore & Washington. This same antenna also makes an excellent scanner antenna for receiving police & fire communications from a radius of 50 to 100 miles depending on your location. If this antenna is connected through a simple Radio Shack splitter to your FM broadcast receiver, then FM stations over 100 miles away may be received. An outdoor TV antenna is a good investment!

What's the point of all this? We as Amateurs should have access to as much information as possible without relying on telephone lines, the cable, the Internet, or commercial power. We should be able to operate these receivers for extended periods of time (greater than 48 hours). We should also be able to operate our transceivers for at least this time period.

In my shack, I have a 100 Amp-hour deep cycle discharge battery as a backup for my 12 Volt power supplies. This would keep a conventional 2 meter transceiver operating for several days. It would keep an HT operating for several weeks! The battery may be constantly trickle charged so it is ready to supply power when needed. A trickle charger may be purchased or built from instructions in the Radio Amateurs Handbook. In this situation, this battery will last from 4 to 6 years before it needs to be replaced. The deep cycle discharge battery will also recharge the batteries in your HT if desired. But what would happen if you lost power for more than a few days?

If you would really like to be dedicated, consider purchasing a 60 watt Solar Panel from Solarex. It will cost less than \$300 and will provide enough power to operate your 2 meter transceiver, a scanner or small battery powered TV, and several other 12 volt powered accessories constantly for as long as is necessary and keep your deep cycle battery fully charged as well. This would even allow you to operate HF at power levels of 100 watts. An investment of about \$500 would include the battery, the Solar Panel, and the charger-regulator that controls how the panel keeps the battery charged. With a system such as this, you can keep your station on the air indefinitely with no commercial power!

This would give one the ability to operate several pieces of equipment for extended periods of time without the hassle and noise of a generator. While a generator will supply a much greater amount of power, for less money, you have many other issues to contend with. Noise, heat, Carbon Monoxide, storage of gasoline, and the fact that if it's raining when you need your generator, you have to keep it from getting wet (or have a dedicated "Generator building". Finally, generators never seem to want to start when you need them the most. With 60 watts of Solar Power, the panel provides enough power to run reasonable loads during the day ... and still keeps the battery charged. At night, you run totally on the battery.

Finally, I remember years ago (back in 1983) the initial excitement Packet Radio brought. For many years, packet technology evolved in leaps and bounds ... then came the Internet. Packet technology stopped dead in it's tracks. Perhaps we need to rethink this and place more stress in developing digital networks on the air, and less on the Internet. In an emergency, the Internet will be either overloaded or down! Packet radio is a protocol with robust error detection & correction algorithms. This is necessary when passing emergency traffic. It is much better at this than PSK31 or other "digital modes". Dust off those old TNC's!

The Keystone VHF Club has been involved in many projects in the past. At this time in our history, it seems that these would be very worthy projects for some of our members to become involved in. I can't think of anytime in Amateur Radio where this was more important than today! We need to think about emergency communications!

Club meetings are held on the 1st Thursday of each month at the Cyber Center or Clubsite in Summer, York, PA

**NEXT MEETING
November 1st, 7 PM
at the Cyber Center**



From the President
 By *Ruthanna Pearson, WB3CQN*
 wb3cqn@aol.com

Hello,
 Was nice to see all of you for the last meeting, although we weren't sure where we were going to sit !!! Worked out OK and Charlie has checked for us so we know what room to meet. Election is coming up the slate will be presented in the Nov. Meeting, anyone wishing to run for any of the office please let us know, there will be nominations from the floor.

Last evening I decided to listen on the radio and worked the following stations D2YY Pam in Angola 4x4MU Hanina Israel 9K2ZZ Bob in Kuwait TA3BN Nuri in Turkey SV1DKL Stathis in Athen. Was nice to get something in my log!!! Keep well ... see you at the next meeting!!



**Way's & Means
 Committee
 Report
 By
 Barb Green, N3RMI**

All of the projects have been successful so far. Turkey raffle will held at the Nov. meeting. The flyers for the after Christmas party will be distributed at the meeting. Please think about your choice of Stuffed Chicken Breast or Roast Beef with filling. Price will be \$16.00 per person. Please sign up as soon as possible. We need at least 35 people to attend, and last year was very good! Please see me for reservations.

Barb Green, Ways & Means

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 (same as above)

THE PA QSO PARTY

By *Bob Riese, K3DJC*

Your ace reporter on the spot was at the Pa Qso party site on top of beautiful Tuscora summit Oct 12. The boys were having a bang up time operation but needed a PC power cord. This reporter checked his car but no luck. Did find a partial Big Mac that was enjoyed by all



Not a bad setup for being way out in the boonies! The guys did lots of operating and all in all... Sounds like lots of fun was had by everyone who was there!



Have you paid your Dues ?

Your club membership dues for the year 2001 are still due and 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:

Sandy Barefoot
3040 Muirfield Dr.
Dover, PA. 17315



BOB'S TECH TALK

ELF
LF
HF
ATV
ANTENNAS
SSB
SECRET
STUFF!



By Bob Riese, K3DJC
riese-k3djc@juno.com

Back in the early 60s before I went into the USAF I was one of just a few folks on 432 MHz. This was just at the time that the band was getting populated and people were leaving super regens behind and going to crystal control. From my folks QTH I never could have worked out of my back yard and the solution was to get on from the Club Site. In those days getting on 432 with serious equipment was a little like getting on 10 gig today. There was little commercial equipment so you had to build your own.

One thing that you really needed was a good solid HF receiver that you could feed your Home Brewed converter in to. You needed an IF receiver. Now I am no longer sure where I bought it but I found an HRO 5 made by National. This is a radio that used plug in coils but the tuning dial had over 12 feet of read out. Pretty Cool. Anyhow using that old radio and the HB converter I managed to work all up and down the east coast from W3HZU. Before I went in the AF the radio got away from me and I often wished for it back. Just recently that happened. No not my old HRO 5 but something even better. I found the predecessor to the 5. I found an HRO M(X), WOW the HRO M was a limited production run that fit in between the HRO and the HRO 5 and dated to 1940 / 41.

This one came with a complete coil set that consisted of 9 plug in coil sets to cover the frequency range from 50 Kcs to 30 Mhz. Double COOL. This radio's coil set all had the number 16 hand painted on their front and that indicated it was probably one of (?) number used in a monitoring operation. This was born out from the fact it came from England and was an X. The MX uses tubes from the 30s and the type 6D6 and 6C6 are used for all stages. The info I have been able to gather tells me the M (X) was a real limited production run and was as a result of needing lots of radios to be used for monitoring Germany from England during WW2. The X also meant that the radio could have parts that were substituted for National parts because of war shortages and sure enough My HRO M(X) has for the S meter a 0 to 1 ma meter. Now this could be a replacement for a bad meter but the chances of it fitting perfectly are pretty slim and this one does fit like it was meant to. All I needed to do was rebuild the National power supply that consisted of an National case and a home made 220 volt supply inside the case. This I junked and rebuilt on a piece of wood, cut to fit the case and it works well producing the 240 VDC and 6.3 VAC to operate the radio



The radio fired up OK but was not sounding very good so I decided to replace all the Capacitors as I planed to make it a keeper. Well the radio is 60 years old and should need new caps but I found that it had already been done and had mostly British caps in it. Most Odd ! That fact and the condition of the radio indicated the Caps were replaced when the radio was fairly new. It should not have needed much done to it before the 60s. My old HRO played fine on all of its original caps . I used it in the early 60's. In any event I went ahead and replaced fifteen .01s and seven .1s and several 10 Mfd caps. When I powered it back up the improvement was nothing short of wonderful. I had checked the inter stage audio coupling cap and it was passing 3 volts DC to the 42 output stage and really made it sound muddy. Not any more. All the instability from the open or leaky caps was gone and it really sounded good. I was able to copy WA3USG just about as well on 160 meter with this old boat anchor as the IC 756. I have been listening to WSM on 650 Kcs which plays blue grass music and a Canadian station on 740 Kcs that plays old big band music. Lots of neat stations below 910 WSBA. On short waves between 7 and 14 Mhz the short wave stations sound good as well. The radio has a crystal selectivity control that works very well and you sure can't beat the sound of AM and SW played on a radio that still uses a diode detector.

This old classic is in good enough shape that I will be willing to do demos with it at any ham functions so if any club wants to see it playing just give me a call. The last Picture is the HRO in operation in the shack



There sure is something almost magical about listening to a vacuum tube radio. Probably over half the members in the club have never heard a "radio that glows in the dark" before. Some people say that tube radios have a better dynamic range. Others say that they are more linear. What ever it is, it is most certainly different from receivers that use solid state devices. It sounds crisp, clear, even the static doesn't sound the same.

About 30 minutes ago, I got an E-mail from Bob telling me to tune down to 740 KHz and listen to a "Big Band" station that was booming in from Canada! So for the next hour or so, I sat there... toes tapping while Glenn Miller emanated from the speaker of my Kenwood R-2000.

Then I suddenly remembered ... on my workbench sat the Philco Model 38-9 table top receiver (circa 1930's) that I purchased 2 years ago at the Antique Wireless Convention up in New York. Like Bob's receiver, it also needs to have the capacitors replaced ... but it doesn't play bad the way it is. I plugged it in and switched it on. I tuned to 740 Kcs and there was Glenn Miller and his band playing "In the Mood", from the Meadowbrook Ballroom in Cedar New Jersey. The difference between the Philco and the R-2000 was dramatic ... I was back in 1939 listening to the music the way it's supposed to sound!

Best O' 73 "The Ed"

MICROWAVE OPERATIONS

By John Jaminet, W3HMS

Here are two pix of my micro ops from Reddish Knob VA on 5 Aug 01 with W4SW. My gear is for 3.456 Ghz at 4.7 watts, 5.760 Ghz at 8 watts and 10.368 Ghz with 5 watts. Each rig uses an LNA plus SSB or CW. The IF is at 2 meters with a FT 290 on 10 Ghz and then FT 817 now Ten Tec 6N2 for 3.4 and 5.7 Ghz. On the latter bands, I have a small PIC computer with my call and CQ auto caller. Best DX on 3.4 is 204 miles, on 5.76 at 105 miles and 10 Ghz at 182 miles. Have had many fine QSOs beyond 70 miles. I worked K8GP from Hogback on 9 Sep at 72 miles with meter pegged on each band in SSB. My report was "extremely strong".

73, John W3HMS



HOW TO FIND YOUR 'FRN'

By Ray Shaub, W3AXC

If you need to do business with the FCC, you must now know your "FRN". This procedure will allow you to see what your "FRN" is or to register to get one if you don't have it.

- (1) Go to this Web site:
<http://www.fcc.gov/wtb/uls/>
- (2) Click on the "LICENSES" link located to the right of the word "SEARCH"
- (3) On the next "License Search" page, Click on the word "Continue"
- (4) Enter your Amateur Radio call sign in the box "Call Sign:"
- (5) Scroll to the bottom of the page and click on the "Search" button
- (6) Click on your highlighted call sign (on the next page) to get to your FCC record
- (7) At the top of the screen, you will see two links - each entitled "License Information"
- (8) Click on the second (from the left) "License Information" link
- (9) Your 10-digit FRN is displayed on the top line

If the FRN number is blank, then you should register by clicking ULS TIN Registration from the ULS homepage located at:

<http://www.fcc.gov/wtb/uls>

The FCC also said they would be holding a Public Forum on CORES implementation on October 24, 2001, in the Commission Meeting Room (FCC headquarters in Washington, DC) from 10 a.m. to 12 noon.

Letters to the Editor

Hi Guys... You are all invited to join the Studio Backroom mail list which is the discussion group that I maintain and co-moderate. Originally intended as a music recording forum, the base of topics has broadened and now includes everything from current events to electric generation to steam powered railroad engines. You might find the topics to be of interest.

About half of the list readership are licensed hams and there are several broadcast engineers, an electric utility engineer, and a cataloger for the Library of Congress who are active on the list. Bob Riese (K3DJC) and John Fletcher (N3NFO), both who you may know from the local ham community show up on list from time to time.

At the bottom of this message is the current digest where the topic is rechargeable batteries for portable radios and other apps.

To subscribe cut and paste the following instructions and send them to majordomo@recordist.com

subscribe backroom
end

For the digest version
subscribe backroom-digest
end

Regards:

Peter Carli/KA3QXE

We invite you to participate in our fall transmitter hunt which will be held on Nov. 11 (Sunday). We are having it on a Sunday as to allow my father N3NPE to participate, as he usually works on Saturdays. The location hasn't yet been determined, but it will be somewhere in central MD, or maybe closer to you in PA. This will be an on-foot, low power hunt for an unmanned fox (will have multiple hunts over the course of the day as time allows) which will allow you to practice your close-in DF skills.

If you know anyone else in your club who would be interested, please forward this info to them. Just let me know their address so I can fill them in on the location as soon as it is decided.

If you are interested in taking part in this, please get in touch with Peter Carli, KA3QXE. Peter's E-mail is:
ka3qxe@arrl.net

I recently received a phone call in reference to starting the 10 meter net back up. Do we have enough club interest to do this? Perhaps a little discussion at the upcoming meeting is in order.

Back some years ago, we organized a lot of activities through the formation of Committees who actually did the planning & execution. A net does require a degree of planning ... do we want a rotating net control? Do we want to change every week... every month? We had problems on 10 meters with everyone hearing each other. Do we want to move this net to 2 meters, 70cm, another band? Should it be a directed net or should it be only loosely controlled?

How about SSTV or PSK 31? There are lots of questions about what would interest most people. Perhaps a committee or a group of people should meet (over dinner maybe) to discuss this.

73, Dick .. WA3USG

A HISTORY OF THE KEYSTONE VHF CLUB

CHAPTER FIVE

THE CLUB SURVIVES AND LIFE GOES ON

By Ray Shaub, W3AXC

After the big Bendix layoff the meetings were dismal, it seemed like the end of an era. So many of the members had left the county and some had even left the state, It was at this juncture that the very first "Life Membership" was conferred.

Of all the members that were leaving, it seemed that John Shaffer W3SST would be the one most missed. John was a prime force in the organization of the club. He had held several offices in the club including President. At the first meeting of the club after the big layoff, life membership was conferred on John because of his dedication to the club and his unselfish work as the county radio officer for Civil Defense and his untiring efforts in instructing many new hams and administering FCC tests for a multitude of new hams in the area. John had accepted a position with the microwave division of Bendix and he was leaving the area. This was the very first life membership that the club presented. Club life went on, we still grew but at a slower rate attracting members from the city and county that were newly licensed. The "Keystone Club" was always the club for technician class operators. The "York Club" attracted the "novice" operators and the higher class operators.

In the middle and latter years of the sixties other devastating occurrences plagued the club. The Middletown Air Force Base closed. Many of our members were also members of the Air Force MARS network . We attended meetings at the AFB once each month and many of us were given surplus electronic equipment. Some great pieces and some "boat anchors". There was a MARS net that ran one night per week and the net control station was George Gadbois, W3FEY in Lancaster. After the AFB closing the net was disbanded and one of the sources of free equipment was lost. Some of the equipment we had at the club site for the "Moonbounce Project" was on loan from Middletown.

There was a "Moonbounce" Committee" that was working on the construction of a permanent antenna mount in the woods to the West of the club building. I believe that this was dismantled in the past several years. As I remember, the committee was made up of members: Fred Lowe W3MMV, Don Baker K3NUZ, John Shaffer W3SST, Bob Riese K3DJC, Alan Goughnour K3 PQZ , and maybe others I don't remember. We have pictures of a Saturday work party during the construction of the antenna mount. I suppose there may be a cement base still in place but the automobile "rear end," etc. are gone. I know the tube and cavity for the Transmitter that was "gleaned" from a project at Bendix was discarded in the 1980's by a work crew at the club because they didn't know what it was.

About this same time the Navy plant was closed and the facilities sold to The AMF Corp. Some of the Navy employees moved from the area transferring to other Navy installations out of the area. Some employees transferred to Mechanicsburg but remained living in the York Area. Others just stayed at the plant and worked for AMF.

This again was a blow to the club membership. The members that moved out of the area of course dropped their membership. Bill Barefoot W3UQJ was one of those that stayed with the Navy Department and transferred to the "Mechanicsburg Depot" but kept his home in York. Bill never missed a beat with the club through the layoffs and the downturn in membership. Bill was one of the charter members that have held continuous club membership in the club to this day.

Code and theory classes were taught Jim Strauss K3JFL in the building on Mason Ave. behind the JRS Distributors store. This was an annual event for several years and produced many new members for the club.

The activities of the club continued as usual, there were transmitters hunts and the club always entered the VHF contests in January, June and September. The hamfest was held annually. (*That will be the subject of another book.*) the attendance continued to grow and our share of the proceeds grew with it. Our share grew from about \$150. to over \$400 during the decade. You must remember that we shared the proceeds with three other clubs. Although the York Hamfest was the product of the our club we invited the "York Club", "Hanover" and "Red Lion" clubs to join with us. It may be interesting to note that we sold hamfest tickets to club members in advance and at a reduced rate. We also gave 50/50 tickets to each member to sell before the hamfest.

We held our Christmas Party every year. The location of the Christmas party changed as the decade progressed. We had started out with our parties held at fire halls with a covered dish social. And then moved on to family restaurants as the club grew in size, and had a larger treasury because the club always paid part of each member's dinner. Some years we held the party in conjunction with the " York Club"

.....to be continued.

THE HAZARDS OF SOLAR ENERGY

Over the years I have heard and read much nonsense, to the point where nothing surprises me any more. Recently an item caught my eye, a pamphlet put out by the Citizens' Reactionary Alliance Concerned with Keeping the Environment Decent. It's a nice example of the style and 'logic' common to propaganda pieces from many groups of alarmists and 'aginers.'

— Donald E. Simanek

Many groups and individuals are proposing that our government spend tax money on research and development of systems to utilize solar energy. They urge construction of vast solar energy collectors to convert sunlight to electricity to supply our energy needs. They would even put solar collectors on roofs of homes, factories, schools, and other buildings. Proponents of this technology claim that energy obtained from the sun will be safer and cleaner than coal, oil, or nuclear energy sources.

We view these proposals with alarm. Unscrupulous scientists and greedy promoters are hoodwinking a gullible public. We consider it rash and dangerous to commit our country to the use of solar energy. This solar technology has never been utilized on such a large scale, and we have no assurance of its long-range safety. Not one single study has been done to assess the safety of electricity from solar energy as compared to electricity from other sources. The promoters of solar energy cleverly lead you to believe that it is perfectly safe. Yet they conveniently neglect to mention that solar energy is generated by nuclear fusion within the sun. This process operates on the very same basic laws of nuclear physics used in nuclear power plants and atomic bombs! And what is the source of this energy? It is hydrogen, a highly explosive gas (remember the Hindenberg?) Hydrogen is also the active material in H-bombs, which are not only tremendously destructive, but produce dangerous fallout. The glib advocates of solar energy don't even mention these disturbing facts about the true sources of solar energy. What else are they trying to hide from us?

In addition to the known dangers cited above, what about the unknown dangers, which very well might be worse? When pressed, scientists will admit that they do not fully understand the workings of the sun, or even of the atom. They will even grudgingly admit that our knowledge of the basic laws of physics is not yet perfect or complete. Yet these same reckless scientists would have us use [Continued on page 6]

Any newsletter articles will be very cheerfully accepted by Dick Goodman, WA3USG at E-Mail: wa3usg@compuserve.com

this solar technology even before we fully understand how it works. Admittedly we are already subject to a natural 'background' radiation from the sun. We can do little about that, except to stay out of direct sunlight as much as possible. The evidence is already clear that too much exposure to sunlight can cause skin cancer. But solar collectors would concentrate that sunlight (which otherwise would have fallen harmlessly on waste land), convert it to electricity and pipe it into our homes to irradiate us from every light bulb! We would then not even be safe from this cancer-producing energy even in our own homes!

We all know that looking at the sun for even a few seconds can cause blindness. What long term health hazards might result from reading by light derived from solar energy? We now spend large amounts of time looking at the light from television monitors or computer screens, and one can only imagine the possible long-term consequences of this exposure when the screens are powered with electricity from solar collectors. Will we develop cataracts, or slowly go blind? Not one medical study has yet addressed itself to this question, and none are planned. In their blind zeal to plug us in to solar energy, scientists seem to totally ignore possible fire hazards of solar energy. Sunlight reaching us directly from the sun at naturally safe levels poses little fire threat. But all one has to do is concentrate sunlight, with a simple burning- glass, and it readily ignites combustible materials. Who would feel safe with solar energy concentrators on their roof? Could we afford the fire insurance rates?

These scientists, and the big corporations which employ them, stand to profit greatly from construction of solar-power stations. No wonder they try to hide the dangers of the technology and suppress any open discussion of them. Proponents of solar energy present facts, figures and graphs to support their claim that energy from the sun will be less expensive, as conventional fuel supplies dwindle and technology of solar energy systems improves. But even if this is so, what will stop the solar energy equipment manufacturers and solar power companies from raising prices when they achieve a monopoly and other fuel sources disappear?

Of course every technology has risks. We might be willing to tolerate some small risk—if solar energy really represented a permanent solution to our energy problems. But that is not the case. At best, solar energy is only a temporary band-aid. Recent calculations indicate that the "Sun Will Go Out in a Billion Years As Its Fuel Runs Out" (Source: newspaper headline) As that calculation was made a year ago, we now have only nine-hundred ninety-nine million, nine-hundred ninety-nine thousand, nine-hundred and ninety-nine years left during which we could use solar energy. Wouldn't it be better to put our human resources and scientific brains to work to find a safer and more permanent solution to our energy needs?

(c) 1978, 1994 by Donald E. Simanek, Lock Haven University, Lock Haven, PA 17745.


| CALL | FIRST | LAST | PHONE |
|-------|----------|-----------|---------------|
| AA3BJ | Tim | Barefoot | (717)292-6404 |
| AB3BB | Bruce | Budinger | (717)848-1137 |
| AD3E | Gene | Warner | (717)755-8562 |
| K3AVF | Paul | Miller | (717)244-2696 |
| K3DJC | Bob | Riese | (717)854-8624 |
| K3ELM | Ernie | Mellinger | (717)755-6712 |
| K3GWK | Buzz | Kutcher | |
| K3GXU | Sterling | Trimmer | (717)292-3876 |
| K3HGG | Harry | Graver | (717)764-2025 |
| K3IIB | Carey | Green | (717)244-9228 |
| K3IWK | Charles | Byers | (717)292-4901 |

| CALL | FIRST | LAST | PHONE |
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| AA3BJ | Tim | Barefoot | (717)292-6404 |
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| AD3E | Gene | Warner | (717)755-8562 |
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| K3DJC | Bob | Riese | (717)854-8624 |
| K3ELM | Ernie | Mellinger | (717)755-6712 |
| K3GWK | Buzz | Kutcher | |
| K3GXU | Sterling | Trimmer | (717)292-3876 |
| K3HGG | Harry | Graver | (717)764-2025 |
| K3IIB | Carey | Green | (717)244-9228 |
| K3IWK | Charles | Byers | (717)292-4901 |
| K3JIM | James | Walsh | (717)246-2401 |
| K3JRO | Art | Chadburn | (717)292-2032 |
| K3MJN | George | Adams | |
| K3MQH | Dick | Ballou | (717)292-7746 |
| K3MTD | Madeleine | Strong | (717)266-3398 |
| K3PQZ | Alan | Goughnor | (717)755-5843 |
| K4AYL | Ed | Weiler | (717)244-6086 |
| K8UYC | Jack | Magar | (717)757-6089 |
| KA3AVX | Jeff | Orner | Not Available |
| KA3CST | Roy | Cannon III | |
| KA3EZE | Thomas | Saxmann | (717)428-1278 |
| KA3IUB | Charles | Shultz | |
| KA3KAQ | Craig | Wisherd | (717)854-4474 |
| KA3LIK | Bob | Klinedinst | |
| KA3LJL | Ed | Swank | (717)854-2151 |
| KA3QXE | Peter | Carli | (717)846-3341 |
| KA3VDD | Ray | Orendorff | (717)266-3422 |
| KB3CHB | Dan | Blair | (717)266-0548 |
| KB3DBT | Heather | TeBeau | (717)751-2190 |
| KB3DNY | Michael | Leas | (717)259-9789 |
| KB3DPF | Richard | TeBeau | (717)751-2190 |
| KB3DXN | Bob | Hoke | (717)755-3327 |
| KB3DXO | Josh | Hoke | (717)755-3327 |
| KB3DXP | George | Reisinger Jr. | (717)757-3374 |
| KB3EBV | Linda | Warner | (717)755-8562 |
| KB3ETG | Tom | Graybill Jr. | |
| KB3ETH | Ryan | Fouk | (717)626-5880 |
| KB3EVC | Susan | Graybill | |
| KB3FKE | Lonna | Mellinger | (717)755-6712 |
| KB3FQM | Joyce | Shortencarrier | (717)764-2305 |
| KB3FWI | Greg | Potter | (717)797-1446 |
| KB3GIX | Sarah | Warner | |
| KB3PP | Don | Wildasin | (717)848-5230 |
| KB9TDS | Ronald | Maatman | (717)266-4232 |
| KC3PS | Jim | Kinsey | (717)854-1281 |
| KE3CW | Greg | Hagens | (717)292-7969 |
| KE3YR | Joseph | McLaughlin Sr. | (717)503-1413 |
| KE6DK | John | Stewart | (717)757-1880 |
| KF3AV | Larry | Shaw | (717)755-4879 |
| KF4BHY | Linda | Ness | (352)259-3336 |

| CALL | FIRST | LAST | PHONE |
|-------|-----------|----------------|---------------|
| KI0EH | Peter | Fleszar | |
| KK3Y | Dave | Gutshall | (717)741-4565 |
| KT3A | Cameron | Bailey | |
| N3AIA | Doug | Reed | (404)993-4354 |
| N3BEU | Donna | Chadburn | (717)292-2032 |
| N3BQB | Jack | Dellinger | (717)741-3932 |
| N3BSM | Marie | Hagens | (717)767-6312 |
| N3DRQ | Shirley | Parker | (717)755-0205 |
| N3DRR | Jack | Parker Jr. | (717)755-0205 |
| N3DVO | Pete | Chantiles | (717)848-9307 |
| N3ECF | Sandy | Goodman | (717)697-2353 |
| N3EEI | Dan | Shortencarrier | (717)764-2305 |
| N3GKY | Jim | Goshert | (717)840-1868 |
| N3HUE | Richard | Bair Sr. | (717)252-1756 |
| N3IFH | Charles | Kirby | Unlisted |
| N3JDQ | Brad | Kline | (717)862-3845 |
| N3JRW | Dennis | Goodling | (610)856-5111 |
| N3JZK | Mark | Ness | (352)259-3336 |
| N3KDS | Robert | Moore | (717)252-1694 |
| N3KDU | Cleveland | Wolfgang | Unlisted |
| N3KVE | Chuck | Miller III | (717)767-7720 |
| N3LD | Lee | Driscoll | (717)852-0878 |
| N3LHJ | Bill | Coleman | (717)308-0752 |
| N3LHK | Stephen | Laucks | (717)757-1497 |
| N3LHL | Fred | Hagens | (717)252-0673 |
| N3LJV | Bonnie | Starck | (717)633-6098 |
| N3LLN | Terry | Bosserman | (717)764-5876 |
| N3LPE | Dan | Friese | (717)235-5752 |
| N3LSN | Robert | Secrist | (717)292-2909 |
| N3LTZ | Dorothy | Barefoot | (717)755-9728 |
| N3LZP | Dave | Ness | (717)852-8559 |
| N3LZS | Virginia | Moore | (717)252-1694 |
| N3MFR | John | Ness | (717)755-9451 |
| N3NBT | Bob | Gundlach | (717)757-3133 |
| N3NBV | Caine | Haffner | (717)292-6404 |
| N3NCF | Sandi | Barefoot | (717)292-6404 |
| N3NEM | Jeff | Heller | (717)767-5314 |
| N3NQI | Kelly | Roller | (717)266-6441 |
| N3ODI | Sharon | Cannon | |
| N3ODS | Geraldine | Stauch | (717)854-9863 |
| N3OEZ | Fred | Christensen | (717)225-1727 |
| N3OFB | Cindy | Goshert | (717)840-1868 |
| N3OFE | Joe | Krenitsky | (717)845-5090 |
| N3OFF | Vicki | Krenitsky | (717)845-5090 |
| N3OFG | Terry | Drawbaugh | (717)843-2576 |
| N3ONL | David | Sharp | (717)292-1816 |
| N3PRH | Marlyn | Warren | (717)792-5050 |
| N3QWS | Penny | Espenshade | (717)367-1967 |
| N3QZL | Robert | Carn | Unlisted |
| N3QZO | Michael | Feeney | (717)755-0887 |
| N3RBO | Gale | Livelsberger | (717)225-6750 |

| CALL | FIRST | LAST | PHONE |
|---------|-----------|----------------|---------------|
| N3RBT | Mary | Gundlach | (717)757-3133 |
| N3RMH | Crystal | Espenshade | (717)367-1967 |
| N3RMI | Barbara | Green | (717)244-9228 |
| N3SUI | Adam | Barefoot | (717)292-6404 |
| N3SWS | Joanne | Gotwalt | (717)244-4735 |
| N3SWU | Clyde | Gotwalt | (717)244-4735 |
| N3SWV | Brandon | Gotwalt | (717)852-0552 |
| N3TAM | April | Storm | (717)235-5481 |
| N3TFT | Joseph | Tomalesky | (717)235-1533 |
| N3TKJ | John | Green | (717)751-2231 |
| N3TQY | Tom | Eubank | (717)792-0598 |
| N3TVL | Monte | Schaszberger | (717)428-9404 |
| N3TVS | Missy | Schaszberger | (717)428-6404 |
| N3UAC | Jacob | Frederick | (717)848-9622 |
| N3URR | Charlotte | Markley | (717)938-1764 |
| N3VPJ | Donna Lee | Hoover | (717)258-6847 |
| N3VQH | Mike | Stackpoole | (717)244-1069 |
| N3WP | Bill | Pope | (717)840-0640 |
| N3XGF | Ernie | Markley | (717)938-1764 |
| N3XYW | Neal | Winters | (717)292-2226 |
| N3YOS | Mike | Goshert | (717)840-1868 |
| N3YOT | Aaron | Goshert | (717)840-1868 |
| N3ZLC | William | Nugent | (717)757-1395 |
| N3ZVK | Frans | Delhez | (717)845-1680 |
| N4JKX | Carol | Landes | (540)434-1280 |
| NG3X | Harry | Sieber | (717)252-3304 |
| No call | Rita | Delhez | (717)845-1680 |
| NO3C | Sterling | Tate | (717)764-0187 |
| W3AJD | Dale | Rahe | (717)259-0687 |
| W3AXC | Ray | Shaub | (717)292-3529 |
| W3BJG | Dave | Germeyer | (717)432-3103 |
| W3BRX | Carlton | Trotman | (717)846-2565 |
| W3CGG | Charles | Guisse | (717)292-2783 |
| W3CRL | Guy | Clippinger | (717)244-1589 |
| W3EDO | George | Gable | (717)764-1266 |
| W3FEY | George | Gadbois | Unlisted |
| W3FJD | Chip | Diamond | (717)456-7698 |
| W3FLD | John | Zett | (717)764-2475 |
| W3HMS | John | Jaminet | (717)697-3633 |
| W3JIF | Richard | Toomey | (717)792-9417 |
| W3MMV | Fred | Lowe | (717)755-1352 |
| W3MYK | Jim | Shultz | (717)854-4782 |
| W3PN | Bill | Kirby | (717)235-2570 |
| W3SST | John | Shaffer | (717)764-4805 |
| W3UQJ | Bill | Barefoot | (717)755-9728 |
| W3WJZ | Ken | Starck | (717)630-2466 |
| W3YQJ | Ed | Kirby | (717)764-5021 |
| WA3CLV | Robert | Hildebrand Sr. | (717)764-3748 |
| WA3EJH | Richard | Bair Jr. | (717)252-2774 |
| WA3IKQ | Tom | Conard | (717)292-7754 |
| WA3ISD | Howard | Baker | (717)741-3930 |
| WA3KYD | Tim | Burk | (717)755-7285 |
| WA3ONG | Jay | Lyter | (717)741-4270 |
| WA3USG | Dick | Goodman | (717)697-2353 |

| CALL | FIRST | LAST | PHONE |
|--------|----------|-----------|---------------|
| WA4EED | James | Overdorff | (717)246-2545 |
| WB3AWJ | Bob | Poff | (717)428-2479 |
| WB3BLM | Richard | Kline | (717)792-0825 |
| WB3BZA | Clarence | Stambaugh | (717)266-4360 |
| WB3CQN | Ruthanna | Pearson | (717)292-9421 |
| WB3CZL | Tim | Altieri | (717)252-5232 |
| WB3EAF | Bob | Storm Jr. | (717)235-5481 |
| WB3EFA | Stephen | Steffan | (717)843-3898 |
| WB3FHA | Thomas | Codori | (717)846-2049 |
| WB3FTD | Alan | Frame | (717)767-4998 |
| WB3GRN | Al | Lewis | (717) |
| WB3GRO | Ann | Lewis | (717) |
| WB3KVN | Richard | Renn | (717)854-3871 |
| WS3C | Michael | Sullivan | (717)259-8276 |
| WX4C | Don | Landes | (717)434-1280 |



**Keystone VHF Club
General meeting Minutes
of
4 October, 2001
By Charlotte Markley, N3URR**

Meeting called to order at 19:15 by Ruthanna WB3CQN. 31 members present.

SECRETARY'S REPORT:

Charlotte N3URR, Minutes approved as appeared in newsletter.

TREASURER'S REPORT:

Sandi N3NCF, Balance in Certificate of Dep. \$2,217.12
 Balance in First Capitol Acct. \$2,602.60
 Balance in Merrill Lynch Acct. \$4,415.29
 Total Cash and Bank Accounts \$9,235.01

Report filed for audit

WAYS & MEANS REPORT:

Barb N3RMI, Basket Raffle-drawing end of meeting. Turkey Raffle tickets available. Drawing will be at Nov meeting. Christmas Party Jan.5 at Vikings. Choice of Stuffed Chicken Breast or Roast Beef/filling. Diabetic pie will be available. **Price \$15.00.**

VEC/EDUCATION REPORT:

Ray W3AXC, Classes will start in Dec. if anyone signs up to attend.

RACES/ARES REPORT:

Jack N3QB, Activated net for N.Y disaster. About 41 members signed up for active and stand-by. Also activated net for Tornado warning in area. About 15 members responded.

CONTESTING REPORT:

Gene AD3E, Pa. QSO Party, Tuscaroara Mts. October 12, 13, 14.

OLD BUSINESS:

Joe KE3YR, Hamfest report. Profit of food sales \$332.1. Nominating committee looking to fill office for Trustee, Treasurer, and President. Anyone interested in any of these spots please get in touch with Nominating Committee.

Second Reading for **Kathleen M. Dellinger, KA3THC**, Family membership. Membership approved.

NEW BUSINESS:

1st reading for Lawrence Louss, N3YPZ, full membership.

Results of Longaberger Basket Tickets are:

1. Tradition Button Basket ----- Lonna Mellinger, KB3FKE
 2. Recipe Box----- Ellen Schreiber
 3. Darning Basket----- Harry DeVerter, N3KYR
 4. Bread Basket----- Mike Oxenreider, WB3CTC
- 50/50 drawing Sandi N3NCF. Meeting adjourned at 20:00

**Keystone VHF Club
E-Board Minutes of 11 October, 2001
By Charlotte Markley, N3URR
Secretary**

Meeting called to order at 19:00, 5 officers and 3 committee persons were present.

SECRETARY'S REPORT:

Charlotte N3URR, Minutes for Gen. Mtg., Oct. 4, 2001 and minutes for Sept. 13, Minutes approved.

TRUSTEE'S REPORT:

Bob N3LSN, generator at club needs checked. Carburetor leaking. 440 Radio needs repaired. Bob will check prices for anti-skid paint for floor at club site.

NEWSLETTER REPORT:

Dick WA3USG, will not send the newsletter out in regular mail. Newsletter will still be sent via E-Mail. Will have volunteer club members print extra copy of newsletter and send it to a member that does not have E-Mail capabilities.

CONTESTING REPORT:

Gene AD3E, E-Board gave Gene permission to use club equipment at Pa. QSO Party.

NEW BUSINESS:

Meeting room at Cyber Center is in question. For next meeting report to same room (conference Room) as last month. If Anyone has ideas for meeting place please get in touch with an officer of club. Ernie K3ELM, will look into Merrill Lynch Acct., also check out options for reinvesting account somewhere else.

Meeting adjourned at 20:10

FOR SALE/WANTED

I have a Yaesu FT-726 for sale. With the hand mic. and operators manual. Unit has 6M, 2M, and 432 modules installed. Good condition. **\$350.00 - you ship.**

Respond to: rgb119@blazenet.net

73 Dick K3MQH

Enjoy Breakfast Out ?

The club now holds two (2) Saturday morning breakfasts. The first starts at **7 AM at the "Round the Clock Diner" on route 30.** This is for you early birds or club members who will be attending work parties up at the club site. Our second breakfast is held **at 9 AM at the Shiloh Family Restaurant right along Route 74 in Shiloh.** It's for those of us who like to sleep just a little later on Saturday mornings.