



The VHF Transmitter



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

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August, 2001



August 2001 CALENDAR

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

- Aug. 1 SPCG ARC meeting
- Aug. 2 Keystone ARC meeting-club site
- Aug. 4 Hamfest, Lewistown, PA
717-242-1882
- Aug. 4-5 ARRL August UHF contest
N. American QSO Party-CW
Ten-Ten Summer QSO Party
National Lighthouse Weekend
- Aug. 6 VE Exam-Myerstown, PA
717-933-5301
- Aug. 7 Hilltoppers ARC meeting
- Aug. 9 Keystone E-Board meeting
- Aug. 11 VE Exam-Shrewsbury, PA
717-235-0273
- Aug. 12 Hamfest-Shrewsbury, PA
717-927-6662
- Aug. 18-19 N. American QSO Party
phone
- Aug. 18-19 International Lighthouse /
Lightship Weekend
- Aug. 25-26 W / VE Island Contest
- Aug. 25 VE Exam-Port Deposit, MD
410-378-2771
- Aug. 26 Hamfest-Kensington, PA
724-339-9607

NEXT MEETING
August 2nd, 7 PM
at the Club Site

The following article was written by Bob Gundlach, N3NBT. It is the story of Bob, his XYL, Mary (N3RBT), and Ruthanna Pearson's (WB3CQN) recent trip to Russia and several other Baltic countries. All photographs were taken by this group of hardy club members and their new found friends in Russia!

To Howard Baker, WA3ISD
"Howard ... thanks for the donation of the superlawn mower!" See page 4 for details.



On June 22, 2001 Bob and Mary Gundlach and Ruthanna Pearson departed York for the Philadelphia airport and a flight to London, which would ultimately put us on a large luxurious Holland America cruise ship bound for various Baltic States. The next twelve beautiful days were spent visiting eight different seaport towns. Our first day we were at sea, and on the second day we arrived for a visit in Oslo, Norway. The second day we were in Helsingborg, Sweden and on the third day it was Warnemunde, Germany. After Germany it was on to Ronne, Bornholm, Denmark, Stockholm, Sweden, Helsinki, Finland and then what turned out to be the highlight of the trip, St. Petersburg, Russia.

Since planning this trip beginning about one year ago, I had a desire to try to arrange to meet some fellow "Hams" while in St. Petersburg, since it was the only stop where we would be for two days. With the help of Leonid Soliterman (KB3CBF, formerly UA1LD) and Ed Kritsky (NT2X) I was able to establish contact by e-mail with several Hams. For several weeks prior to our departure I was in contact with Alex Belchenko and Vladimir Sidorov weekly, and suggested that if there were any other local Hams that would like to join us they were welcome. We agreed upon meeting and settled on our meeting location being the Alexander Column (Aleksandrovskaia Kolonna), a statue located in the Palace Square at the Hermitage Museum. We were to meet at 10:00 AM on Sunday morning July 1.

On Sunday morning we left the ship and hailed a cab for our journey to the Palace Square. Upon our arrival at the Square the beauty of the buildings of the Hermitage Museum complex overtook us. We arrived at the meeting place a little early affording us time for a little sight seeing. At 10:00 AM we saw a gentleman approaching us, and it turned out to be Alex Belchenko. Within a few minutes Victor Topler, Alex Pastchenko, Jakov Lapovok, Vladimir Sidorov, Mikhail Fokin and his wife also joined us. The following picture shows the group shortly after meeting in the Palace Square. A portion of the Hermitage Museum is in the background. Shown in the picture from left to right are Alex Belchenko-RA1AW, Victor Topler-UA1MU,

Ruthanna Pearson-WB3CQN, Mary Gundlach-N3RBT, Bob Gundlach-N3NBT, Alex Pastchenko-RV1AC, Jakov Lapovok-UA1FA, Mrs. Mikhail Fokin and Mikhail Fokin-R1AND. Missing because he was taking the picture is Vladimir Sidorov-RV1CC



After this picture was taken we started out on what turned out to be a six hour very enjoyable walking and riding the Metro tour of the city. We had the pleasure of visiting The Memorial Museum of Alexander Stepanovitch Popov where we listened to a very interesting talk by Jakov Lapovok, concerning the contents of the museum. The Russians credit Mr. Popov with the invention of radio, whereas we are taught that Marconi invented radio.

Continuing on our tour, we stopped at a small café / restaurant and had lunch. Against our wishes, our guests insisted on paying the bill. We continued sightseeing until it was time to return to Palace Square from where we would return to the ship. It was certainly difficult bidding farewell to our newfound friends. We had presented them some trinkets and patches for both the York and Keystone Clubs so that they might remember us. We and our new friends both took numerous pictures to record the event.

From St. Petersburg, it was on to Estonia for a day then to Copenhagen, Denmark where we began the journey home. I am sure we all now look forward to an opportunity to contact one or all of our new friends on the air.

While in St. Petersburg visiting one of our new Ham friends, Alex Belchenko (RA1AW, I think) told us that he may be coming to the USA in the near future concerning the work he is involved with. He said that if he comes, he would be in Orlando, FL, Somewhere in TN, and in the DC area. On Saturday evening, July 21, I received a phone call from Alex indicating he and his wife Olga were in the Washington area, had a rental car, and would like to come to York on Sunday, July 22 and visit with us. Mary and I had to alter our plans, but were willing to make the sacrifice to accommodate Alex and Olga. I immediately contacted Ruthanna (WB3CQN) and advised her of the event. She

See "Trip" on page 4



From the President
 By *Ruthanna Pearson, WB3CQN*
 wb3cq@aol.com

When I accepted the office of President, I was very serious. I want us to be the great organization we have worked to become! I cannot conduct a meeting with some of you always talking among yourselves while I'm talking. The results are that people around you can't hear what is being said and you're not being fair to the other members!!

We want to enjoy our meetings and the fellowship and we can have this with everyone's cooperation, there is enough time to socialize before and after the meetings, **BUT NOT DURING THE MEETINGS!!!**

REMEMBER WE HAVE LADIES, AND SOMETIMES YOUNG PEOPLE PLUS GUESTS IN ATTENDANCE. The obscene jesters, foul language and passing of gas is crude and offensive, if you have to pass gas be a gentleman take a walk or squeeze your cheeks!!!

When men are with men and you want to use the four letter word, grab yourself, pass gas, or be crude that is up to each individual. Guys don't be offended by my comments. Just take a minute and think about it, we appreciate all you do. You're the bigger percentage and we are glad for all you do and have done and will do. I just want to make the meeting go a little smoother and try to please everyone.

Have a great day enjoy the July meeting Brad will be filling in for me as I will be cruising along with Mary & Bob!!

Ruthanna

**ARE YOU A MEMBER OF
 THE ARRL?**

Now more important then ever!

The VHF Transmitter

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

**SEE YOU AT THE ANNUAL CORN
 ROAST!**

When--- Saturday, August 11 at 3:30 p. m.
 Where-- Keystone VHF Club Pavilion

Please bring your own hamburgs, hot dogs, or whatever, our grills will be hot! Also bring a casserole, and a dessert, enough for 8 people, and bring serving spoons. Club will supply the drinks (water, lemonade & iced tea), the corn, watermelon, butter, salt & pepper, and tableclothes. Meal will be served at 4:00, followed by the Auction.

Again, we ask you to bring your white elephant items, (good, used, or new, things) for this auction. Make sure the items are in working order! Bring things forkids, too!

Come early at 1:00 p.m. for games, activities and fellowship. If you are bringing children, we need some yard games. We have horseshoes and table games. We would ask that if anyone can stay after it is over to help clean up, it would be greatly appreciated. Let the Ways & Means committee know at the August meeting! Let's have a good crowd this year. Corn will be great, and so will the company!

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

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

See Make checks payable to: Keystone VHF Club
 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

Here is the rest of the story.

Some time ago Dick WA3USG handed out a spectrum analysis program that allows the visual copy of QRSS or Slow CW. There are several type of programs that will do this and they all have either "Spectro" or "Grahm" or "Argo" in their name. I am not sure which one Dick Provided.

Now on the part 15 band centered around 13.5 Mc., you have a chance to play with the program. If you don't have it you can still give a listen for the Lofers that have beaconson this frequency. As I understand it, the only limit to get on 22 metersis an ERP of around 2 Mw or so. A pretty QRP signal. The amazing thing is that on this frequency and at such low power, signals are getting out and being heard. There are a variety of CW speeds that the fellows are transmitting. If you give a listen you should be able to hear the QRSS stuff but some folks also run CW at around 12 WPM. This is also a spy band and as I haven't listened there much I have been told you will sometimes hear coded messages. My antennas are down for an addition of a screened porch and need to get the L hooked back up again. So if anyone is interested in playing with the Spectram program or just listening to see what you can hear, these are a partial list of the frequencies that are being used.

So far no one has had a two way contact and I am not sure why no one has suggested a nite for activity. There are enough of them on the air that the odds are pretty good that propagation will provide a path and a QSO will occur. This is a world wide DX band , one of the New Zealanders is active and has been copied in the US.

Well I finally got my antenna back up and have heard several folks in the Hifer band. There is a lot of odd things and signals to be heard around this frequency and there is a lot of government experimenting going on here. This is a frequency used for over the horizon radar and other ionospheric testing.

Makes you wonder how these small signals do get out mixed in with the QRM and just goes to prove that propagation will allow a signal to get out. Most folks , as I understand it, are running a vertical 1/4 wave antenna and some kind of xtal oscillator. The important thing is that the signal is on the stated frequency so it can be copied using QRSS (slow CW) programs so plug into the LWCA or long wave club of America into your web browser and check out the LF info and all the other fun links.

BEACON FREQ LOCATION GRID NOTES

NC 13.5555 Stanfield, NC EM95 NC has already been heard coast to coast running QRSS mode!

LEK 13.5554 Atkin, MN EN36 12WPM CW, followed by 50 second long dash.

MP 13.554.41 MP in QRSS?

RIC 13.555450 North Richmond, Australia 8 mw QRSS..heard into parts of the US. Operated by Steve Olney, VK2ZTO

AWV 13.55655 Fort Lauderdale, FL .3 WPM QRSS with 10 second pause. Inverted V antenna.

JJ 13.557.5 Plymouth, MA FN42qw QRSS 3 Sec dot length. 24/7

WVRM Village Radio Montclair 13.557 Montclair, NJ Part 15 AM broadcast format. Not on air yet.

YK 13.5579 Evansville, IN QRSS 2.5 sec dot length.

TLTX 13.560 Sherman, TX EM13 Alternates between QRSS and 45 Baud RTTY. 24 HR.

DG 13.560 Polk County, Iowa EN31 QRSS. Coming soon!

WA 13.562500 Andover, MA FN42 QRSS and other digital modes.

XM 13.56625 Helena, AL EM68 QRSS Only. .75WPM. Not on air yet...planned for June launch.

NC 49.852.5 Stanfield, NC EM95 On during e-skip openings. Sending CW at present. 1st 49'er beacon active!

Credit for making this band popular must go to Jonathan B. Smick, W2MXW who has a couple of great web pages that describe this band, and even offer schematics for easy to build transmitters!

Part 15 Stations Jonathan's great web page describes all the activity on Lower, Medfer, and Hifer bands!

22 Meter Transmitters - Jonathan has taken the trouble to put complete plans for both AM and CW transmitters for this Part 15 band!

A FANTASTIC IDEA !!!!

When you get those pre-approved letters in the mail for everything from credit cards to 2nd mortgages and junk like that, most of them come with postage paid return envelopes, right?

Well, why not get rid of some of your other junk mail and put it in these cool little envelopes! Send an ad for your local chimney cleaner to American Express. Or a pizza coupon to Citibank. If you didn't get anything else that day, then just send them their application back! Just make sure your name isn't on anything you send them.

Heck, you can send it back empty if you want to just to keep 'em guessing! Let's turn this into a chain letter! Eventually, the banks and credit card companies will begin getting all their crap back in the mail.

Let's let them know what it's like to get junk mail, and best of all... THEY'RE paying for it! Twice! Let's help keep our postal service busy since they say e-mail is cutting into their business, and that's why they need to increase postage again!

Please note that the keystone VHF Club does not condone horrible things like this!!! BAD BAD !!!!!



**Keystone VHF Club
General meeting Minutes
of
5 July, 2001
By Charlotte Markley, N3URR**

Meeting called to order at 19:15 by Brad N3JDQ. 32 members were present.

SECRETARY'S REPORT: Charlotte N3URR

Minutes read for June 7th. General Mtg. and minutes for June 14th E-Board Mtg. Both approved as read.

TREASURER'S REPORT: Report read by Brad N3JDQ.

Balance in Certificate of Dep. \$2,217.12
Balance in First Capitol Account \$3,315.09
Balance in Merrill Lynch Account \$4,338.05
Total Cash and Bank Accounts \$9,870.26
Report was filed for audit.

TRUSTEE'S REPORT: Bob N3LSN

July 7th work party at club site.

WAYS & MEANS REPORT: Barb N3RMI

Corn Roast, Aug. 11th. No grilled chicken to be sold.
Will eat at 4 P.M.
Bonus Book sales, sold 15 books.

VEC/EDUCATION: Ray W3AXC

Testing session at Adams Electric on Tuesday, July 10.

ATV REPORT:

Will have work party at ATV site.

RACES/ARES REPORT: Chip W3FJD

Need more operators for Bike Tour at Gettysburg.
Contact Chip if interested in helping. Tour July 15, & 16th.

CONTESTING REPORT: Gene AD3E

Points received, 2100 QSO, and 700 bonus points.
423 rig has been repaired, cost \$111.00.

NEW BUSINESS:

John W3SST asked about using pavilion June 22, 2002. Will let him know because of Field Day.

Ray W3AXC gave \$35.00 check for use of pavilion for QCWA picnic.

Joe KE3YR, will head food committee for Hamfest.

50/50 drawing won by Ernie N3XGF.

Good of Order - Final Announcements

Meeting Adjourned at 19:45

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.

**Keystone VHF Club
E-Board Minutes of 12 July, 2001
By Charlotte Markley, N3URR
Secretary**

Meeting called to order at 19:15 by Ruthanna WB3CQN. 6 officers and 2 committee members present.

SECRETARY'S REPORT:

Charlotte N3URR, Minutes read for June 14 E-Board and July 5th General Meeting. Read and approved.

TRUSTEE'S REPORT:

Bob N3NBT, Power mower donated to club by Howard Baker WA3ISD. Thanks Howard.

Bob N3LSN, Air conditioner working in club, and chimney ready to paint.

WAYS & MEANS REPORT:

Marie N3BSM, Longaburger Basket fund raiser. Approved by E-Board members.

ATV REPORT:

Joe KE3YR, Joe and Greg KE3CW worked on ATV repeater, now working.

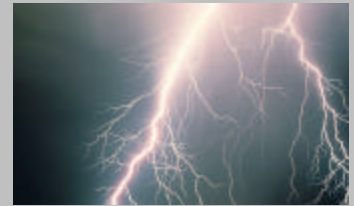
OLD BUSINESS:

Joe KE3YR, will be head person for food committee for Hamfest.

Meeting Adjourned at 19:45

**TRUSTEE'S
REPORT**

*By Bob Gundlach,
N3NBT*



Today I picked up from Howard Baker, WA3ISD, a power mower which he has graciously donated to the club.

The mower is a "Snapper" 21 inch self propelled mower with multiple ground speeds and electric start. Tonight I dropped the mower off at the club and Linda Warner took it on it's "maiden voyage." The present battery in the mower is dead, but Howard also gave us a new battery and charger for it. The mower appears to function very well and with proper care and maintenance should last us a long time.

I think we all owe Howard a big "thank you."
Bob-N3NBT

Trip ... continued from page 1

likewise adjusted her schedule. It then struck me that Leonid Soliternan, KB3CBF and former UA1LD, who had helped me in establishing contact with the Russian Hams was only a few hours from York, and perhaps he would also like to join us. A few phone calls later and arrangements for Leonid to travel by Greyhound Bus from Wilkes Barre, PA which is near his home in Larksville, to Harrisburg where Mary picked him up and brought him on to York. A great time was had by all until about 5:30 PM Sunday when Alex and Olga had to begin their return trip to the Washington area. It was a strange coincidence that Alex and Olga's arrival on Sunday, July 22 was exactly three weeks since we met them in St. Petersburg. Hopefully we have generated a long lasting friendship with some special friends from another country.

FOR SALE/WANTED

This is the list of HF equipment I have for sale,

I would like to sell it all as one package.

- ? Kenwood TS 850S AT HF Transceiver
- ? Kenwood SP 31 External speaker
- ? Kenwood MC 60 Desk mike
- ? Timewave DSP-599ZX
- ? Bencher BY-1 Paddle
- ? Alpha Delta Delta-2 Coax switch

They are all like new condition, all manuals included

Everything listed above for \$1,600.00

Call 755-4879 Ask for Larry KF3AV

I have a used Hy-Gain 2BDQ 40 and 80 meter half wave length doublet antenna in need of a good home. It is 100' in length and can be installed as an inverted V. Have the traps and wire and instructions. It is free, just call me at 767-4998 after 6 PM.

Alan Frame WB3FTD

Subject: FCC REPORT & ORDER

NOTICE OF PROPOSED RULE MAKING FOR THE
RESTRUCTURING OF PART 97 AMATEUR RADIO LICENSE
CLASSIFICATIONS (FCC)

Section I- No amateur or amateurs, or person or persons acting on the direction or suggestion or supervision of an amateur or amateurs may try, or attempt to try or make, or make attempt to try to comprehend or understand any or all, in whole or in part of the herein mentioned FCC Regulations, except as authorized by the Administrator or agent appointed by, or inspected by, the Administrator.

Section II- If an amateur, or group of associate amateurs becomes aware of, or realizes, or detects, or discovers, or finds that he or she, or they, are, or have been beginning to understand the FCC Regulations, they must immediately, within three (3) days notify, in writing, the Administrator.

Section III- Upon receipt of the above-mentioned notice of impending comprehension, the Administrator shall immediately rewrite the FCC Regulations in such a manner as to eliminate any further comprehension hazards.

Section IV- The Administrator may, at his or her discretion, require the offending amateur or amateurs to attend remedial instruction in FCC Regulations until such time that the amateur or amateurs are too confused to be capable of understanding anything.

..Thanks Joe, WA3PTV

From the Estate of Dutch Hildebrand
Contact Mrs Hildebrand at 757 4513 evenings or John Shaffer 764 4805

Item	Description	New Price	Asking Price
KENWOOD			
TM741	2M/70Cm. 50W/35W mobile FM	\$399.95	\$245.00
TS690	160-10M 100W mobile	\$699.95	\$490.00
TH78	2M/70Cm. Handheld+ bat and Rapid drop in charger	??	\$220.00
TH21A	2M handheld	\$175.00	\$55.00 (if found)
Clegg	FM28 2M mobile TXRX		\$110.00
Ringo	2m Ringo Antenna		\$35.00
Astron	RS12A 12V @9A. Power Supply	\$71.95	\$38.00
	RS35A 12V @35A. Power Supply	\$144.95	\$100.00
SWAN			
	1200X Linear AMP. 80-10M 1200 Watts SSB, 700W CW., 300W AM.		\$330.00
Drake	TR22A 2m 1W + carrying case		\$35.00
th	HD16 Phone Patch		\$12.00
Kantronics	KPC2 Packet node controller		\$12.00
	RTTY,CW Interface		\$12.00
VISTA	Model IV Power Supply 12V@4A		\$17.00
Hy Gain	T2X Tail Twister HD Rotor	\$619.95	\$440.00 (+ take down)
Mosley Antenna	PRO-67-A 6 band Beam Antenna		\$490.00 (+ take down)
Rohn Tower	25G 40 feet some surface rust.	\$370.00	\$165.00 (+ take down)
Hamstick	Antenna	\$ 24.95	\$12.00
Daiwa	DX10M Duplexer 1.6 to 150 Mhz and 440Mhz ports.		\$45.00



The VHF Transmitter
 C/O: Dick Goodman
 199 Maple Lane
 Mechanicsburg, PA.
 17055

DATED MATERIAL



**CLUB
 REPEATERS
 FM
 IN/OUT
 29.580/29.680
 52.97/53.97**

**146.370/146.970
 TONE 123.0**

**442.275/447.275
 ATV
 426.25 IN
 439.25 OUT
 923.25 OUT**

**PACKET 145.090
 PBBS W3HZU-1
 KA-NODE W3HZU-7
 W3HZU-8
 (Digi, Alias YORK)**

**Keystone VHF Club, Inc. W3HZU
 P.O. Box 7462
 York, PA 17404-0462**

CLUB WEB SITE: Any volunteers to create one?

CLUB SPONSORED NETS

All Nets: 146.97 (-)

**MON 8:30PM York ARES/RACES Committee
 MON 9PM York County 2-Meter Net
 TUES 8PM ATV Net (146.970 for audio)
 WED 9PM Quarter Century Wireless Assoc.**

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