

DIRECT CURRENTS

The Official Publication of the Housatonic Amateur Radio Club, Vol XXIII Issue V

MEETING INFO

Our annual informal meeting was held in June, during Summer Field Day setup. See a charter member for details. Our annual formal meeting is held on Winter Field Day, and our informal meeting is held on Summer Field Day. Both meetings are held during set up time prior to the event start. Our next meeting (formal) is scheduled for Saturday January 26, 2019 during Winter Field day setup.

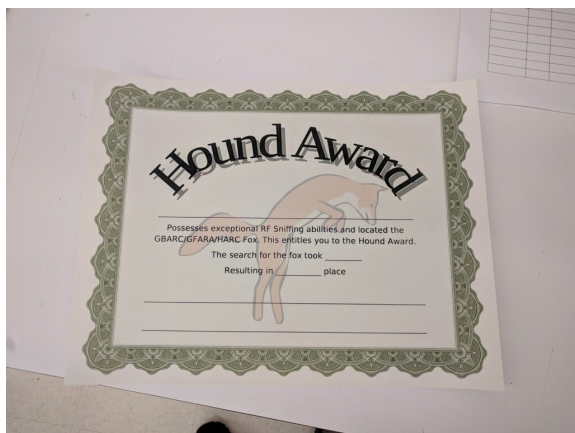
AUGUST FOXHUNT

A foxhunt was held by club members Dave KB1LTW and Larry AB1JC on August 18 right after our Saturday morning breakfast at Galaxy Diner in Bridgeport. After breakfast, contestants went to the Discovery Museum where they were given a map with frequency data on it and the location of the "after-hunt" restaurant. They were then told to "go find it" ... and find it they did! After stiff competition and a lot of fun, Ken NE1CU was supreme & victorious on the battlefield and found the fox first!



KEN NE1CU WINS AUGUST FOXHUNT

Ken NE1CU took first place winning the August Foxhunt, and I hear-tell in record time. Congratulations Ken! The team of Sam W1SMF and Jeff KB1LZ took second place. Congratulations Sam and Jeff!



Left: The Hound Award given to foxhunt winners. Right: Member Sam W1SMF tests his beam with members Ken NE1CU and Larry AB1JC watching.





Ken NE1CU testing his equipment.



Member Jeff KB1LZ working the wires.



Jay N1NRP adjusts his beam



Sam W1SMF still working his beam.



Left: The FOX in the bushes.



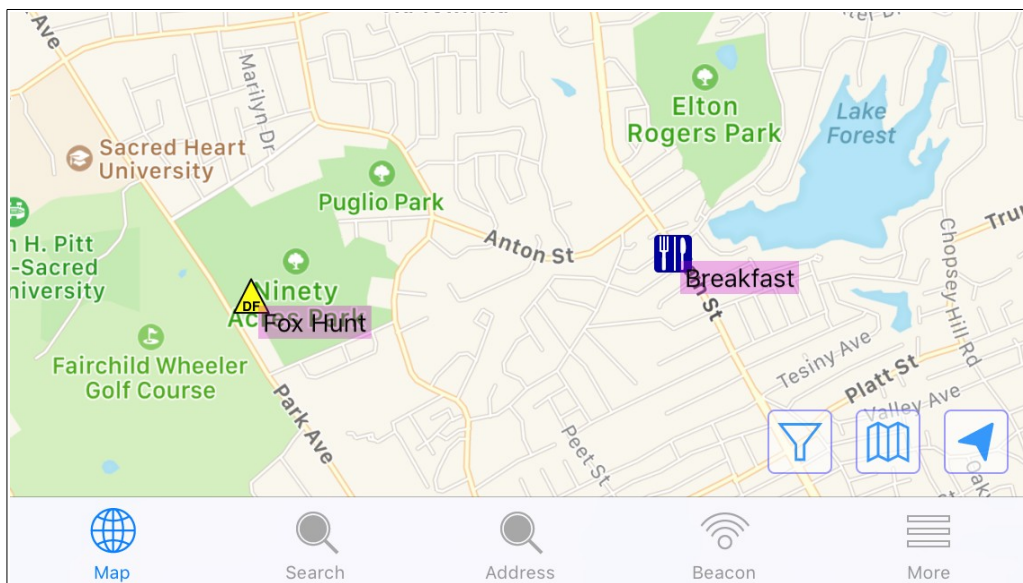
Right: The Hound Award winners pose with their certificates





Post foxhunt lunch at Bill's Drive-In in Shelton.
LtoR: Jay N1NRP, Ken NE1CU, Jeff KB1LZ, Dave KB1LTW and Larry AB1JC.

TNX goes out to all who participated and also to Larry AB1JC and Dave KB1LTW for running the foxhunt!



APRS map showing breakfast on Saturday August 18 and the starting point of Dave and Larry's foxhunt at the Discovery Museum a few blocks away.



NEW MEMBER KB1YYJ



The members of the Housatonic ARC would like to welcome our newest member David KLB1YYJ, who accepted our membership invitation on August 28, 2018. When you see David, please congratulate him on being in our club!

CALLING ALL MEMBERS – 2200 METER & 630 METER OPERATION

On July 13, 2018 HARC member Dave KB1LTW submitted a request to operate on 2200 meters and 630 meters on both Oct 27, 2018 and January 26, 2019. Due to an impending Nor'easter, the operation for Oct 17 was postponed. Jan 26 is STILL ON!

CALLING ALL MEMBERS – WINTER FIELD DAY AND 2019 NEW OFFICERS



HARC, Greater Bridgeport ARC and Westport Astronomical Society ARC will operate 2019 Winter Field Day event from the WAS Observatory site, 182 Bayberry Lane, Westport CT. Winter Field Day is Jan 26-27, 2019. Setup will begin Friday Jan 25 at 9 am. We need help! Contact Dave KB1LTW, Gary WE1M or Larry AB1JC. I hear-tell GFARA may operate WFD with us. Welcome! As we have before, breakfast that Saturday morning is at *Christie's Country Store, 161 Cross Highway, Westport, CT*. This is about 3 blocks from the WAS observatory.

CLUB OFFICERS

At Winter Field Day, new club officers will be appointed. Please be sure to attend this meeting. Additionally, if you wish to be an officer for 2019, please let any current officer know or make your wish known at our meeting!



**HOUSATONIC AMATEUR RADIO CLUB
GREATER BRIDGEPORT ARC
WESTPORT ASTRONOMICAL SOCIETY ARC
GREATER FAIRFIELD ARC**

N1KT

WINTER FIELD DAY

January 26/27 2019



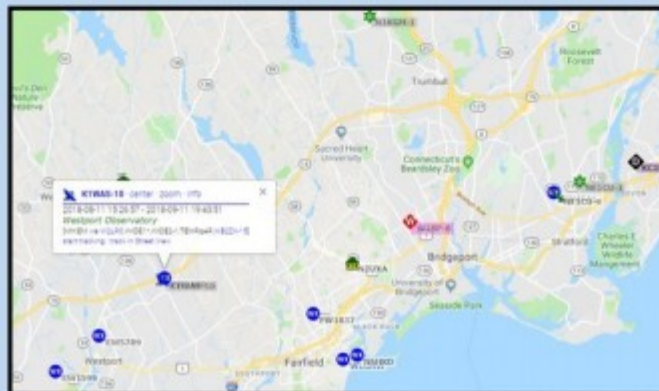
We will be operating WINTER FIELD DAY 2019

**Where: Westport Astronomical Society Observatory,
182 Bayberry Lane, Westport, CT**

Setup: Saturday January 26, 2019 at 9 am at the Observatory.

HARC Meeting: During Setup time

We will operate N1KT from 2 pm Saturday (EST) until Noon (EST) Sunday.



SOME MEMBERS BUY AMPLIFIER

Below, our crew is testing a new Ameritron AL-811H amp in preparation for the upcoming contest season. Dave KB1LTW picked up the amp at the NJ hamfest. It is owned by Dave KB1LTW, Jeff KB1LZ, Larry AB1JC, Gary WE1M and Ken NE1CU. If you would like to contribute to the amplifier's cost, contact Dave KB1LTW. Thanks.



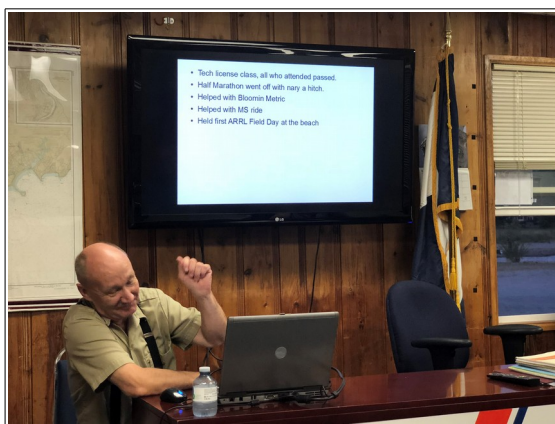
Left: Dan N3DAW, Jeff KB1LZ and Dave KB1LTW work on amp. Right Jeff and Dave.

CUBESAT INFO

As you all know, HARC has a webpage at www.N1KT.org/. Club members are assisting the Discovery Museum and University of Bridgeport in building a CubeSat satellite to be launched into space by NASA. NASA has given their "A-OK" to the proposal and now we are hard at work to make it happen! To help everyone with what's going on, we are including information on our club's website. Checkout the new CubeSat section of Page 2 of www.N1KTorg/.

DIVERGENCE AND CURL (what's happening around the area)

- Dec 1 – GNARC license exam session
- Dec 4 – GBARC Xmas party



Club member & GFARA President Jeff KB1MZL takes charge of the first GFARA club meeting of the year Sept 4, 2018



“HAMS & EGGS” SATURDAY MORNING BREAKFAST

The Saturday morning breakfasts have been a smash hit over the last 4-1/2 years and are still going strong! Breakfast location is now being posted on www.N1KT.org/ each week, as an item in the “Quick News” scroll and on the aprs site www.aprs.fi/ by searching for the word “breakfast”.

Breakfast at Donut Stop, downtown Shelton, CT July 21, 2018. Although Donut Stop is a good place, their air conditioning broke down so this is now a Winter place only – at least for the foreseeable future.

Breakfast at Donut Stop in Shelton, July 21, 2018
Left to Right: Devan, Douglas WA1SFH, Gary W1GHW, Mike KA1EOU, Gary WE1M, Jeff KB1LZ, Larry W1LAG, Dave KB1LTW, and Larry AB1JC.



Breakfast at Chips in Trumbull, CT on August 11, 2018.

Left to Right: Douglas WA1SFH, Devan, Jeff KB1LZ, Mike KA1EOU, Larry AB1JC, Ken NE1CU, Larry W1LAG, Emily N1DID. Gary WE1M was the shutterbug.



Pennys II Diner



Breakfast at Penny's II
Diner in Fairfield, CT
September 1, 2018.

LtoR: Larry AB1JC, Larry
W1LAG, Jeff KB1LZ,
Devan, Sam W1SMF,
Richard KC1IDP, Mike
KA1EOU, Gary W1GHW
and Emily N1DID.

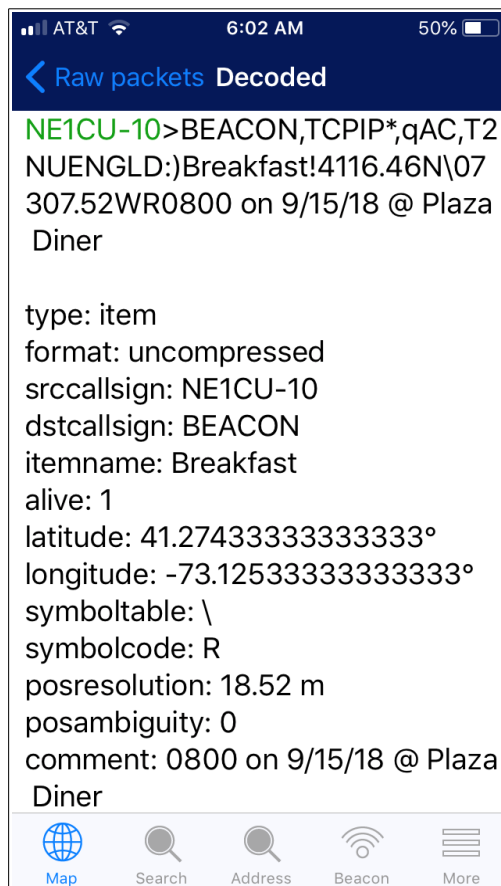
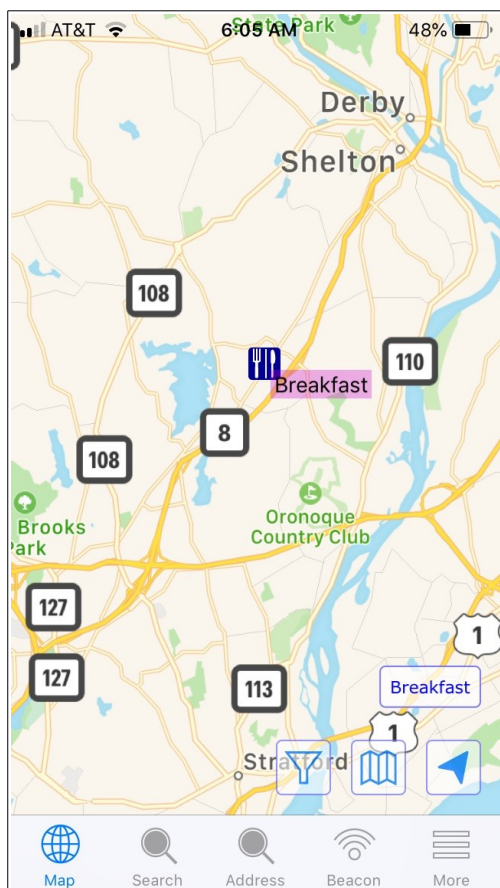
The shutterbug was Gary
WE1M.

Breakfast at Galaxy
Diner just prior to the
Foxhunt.

LtoR around the table:
Jay N1NRP, Sam
W1SMF, Jeff KB1LZ,
Gary W1GHW, Bob
W1RPG, Dave
KB1LTW, Emily
N1DID, Ken NE1CU,
Devan and Larry
AB1JC.



If you think breakfast is announced only by email, look below. The first on the left, is a snippet from www.APRS.fi in Helsinki, Finland showing Breakfast at The Plaza Diner. The second (on the right) is a packet burst from NE1CU-10 in Milford. The "itemname:" says Breakfast. The last line entitled, "comment" shows "0800 on 9/15/18 @ Plaza Diner", again announcing our breakfast all over APRS.



Thanks Ken NE1CU for doing such a fine job with this!



Breakfast September 15, 2018 at Plaza Diner, Shelton.



LtoR: Gary WE1M, Mike KA1EOU, Larry AB1JC, Emily N1DID, Dave W1CTN, Bob W1RPG, Jeff KB1LZ and Devan (WA1SFH 1st harmonic)





Breakfast at Famous 50s Diner Sept 22, 2018.

LtoR: Dave KB1LTW, Jeff KB1LZ, Larry AB1JC and Devan.

In mirror Gary WE1M is the Shutterbug.



Oreo Cookie pancakes!



HAMFESTS

- Southington hamfest 3/24/19
- Thompson CT

AMATEUR RADIO FLEA MARKET




Sunday
April 28, 2019
8 AM to 12 PM
RAIN OR SHINE

ADMISSION: **\$3.00** DONATION
TO BENEFIT: **Eastern Conn. Amateur Radio Assoc.**
(Previously the Pomfret Hamfest)

VE test session, Limited spaces available, Must Pre-register

Raceway Restaurant at Thompson Speedway

205 East Thompson Rd. Thompson, CT 06277

Tables are **\$15.00** each. Please reserve in advance

For more information and table reservations
: Contact Jon KA1MPG at Jonas217@Verizon.net or 508-943-4467

WWW.ECARA.NET

Talk in on 147.225 MHz PL 156.7

The CARA hamfest in Newtown, CT on August 26. Thanx Dave KB1LTW



Gary WE1M attended the Boxboro hamfest in MA September 8th.

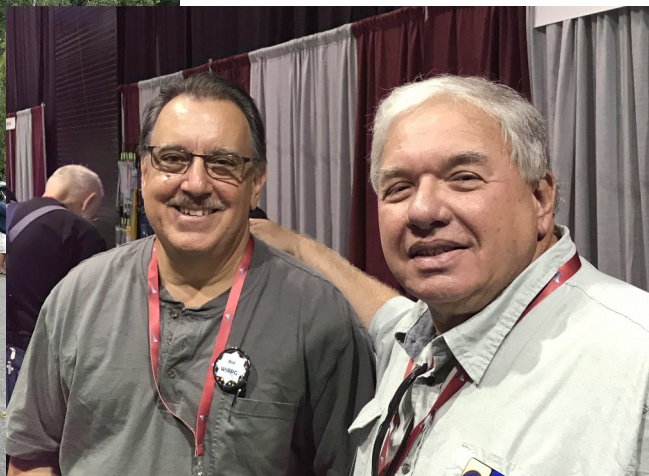


Boxboro Hamfest 2018



Ned KA1CVV

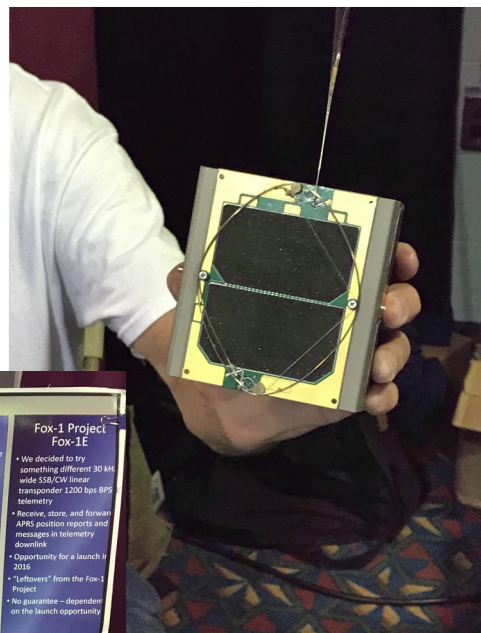




Bob W1RPG and Dave W1CTN



**B
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2018**



Fox Project	Fox-1 Project Fox-1A	Fox-1 Project RadFSat (Fox-1B)	Fox-1 Project Fox-1C	Fox-1 Project Fox-1D	Fox-1 Project Fox-1E
<ul style="list-style-type: none"> • 1U CubeSat • 9 Boards • 4 Science • Battery, Power • IHU • RF Rx, RF Tx 	<ul style="list-style-type: none"> • Mode U/V FM transponder • Scheduled for September 15, 2016 launch • Hosted experiments from two universities: <ul style="list-style-type: none"> • Penn State Erie MEMS gyro experiment (Micro Electro-Mechanical System) • Vanderbilt SDE radiation experiment in partnership with AMSAT 	<ul style="list-style-type: none"> • Mode U/V FM transponder, selectable L band uplink for mode U/V • 90WSPRTER converts signal to UHF • Spaceflight Sherpa launch in late 2015 on SpaceX Falcon 9 • Hosted experiments from three universities: <ul style="list-style-type: none"> • Penn State - Erie MEMS gyro experiment • Vanderbilt SDE radiation experiment (Fox-1A flight spare) • Virginia Tech JPEG camera (640x480 resolution) • Engineering model in testing 	<ul style="list-style-type: none"> • Mode U/V FM transponder, selectable L band uplink for mode U/V • 90WSPRTER converts signal to UHF • Flight spare for Fox-1C launch, or will be submitted in NASA CubeSat Launch Initiative (CSLI) • Hosted experiments from three universities: <ul style="list-style-type: none"> • Penn State - Erie MEMS gyro experiment • University of Iowa HIRCO (High Energy Radiation CubeSat Instrument) Re-creation of original Van Allen Belts using modern components • Virginia Tech JPEG camera 	<ul style="list-style-type: none"> • We decided to try something different 30 kHz wide SSB CW linear transponder 1200 bps BPS telemetry • Receive, store, and forward APRS position reports and messages in telemetry downlink • Opportunity for a launch in 2016 • "Leftovers" from the Fox-1 Project • No guarantee - dependent on the launch opportunity 	

AMSAT **AMSAT** **AMSAT**

AMSAT Fox-1 Series CubeSats

Fox-1 Frequencies	Uplink FM (67 Hz tone)	Downlink FM
Fox-1A	435.180 MHz	145.980 MHz
RadFSat/Fox-1B*	435.250 MHz	145.960 MHz
Fox-1C*	435.300 MHz	145.920 MHz
	1267.350 MHz **	145.920 MHz
Fox-1D*	435.350 MHz	145.880 MHz
	1267.350 MHz **	145.880 MHz

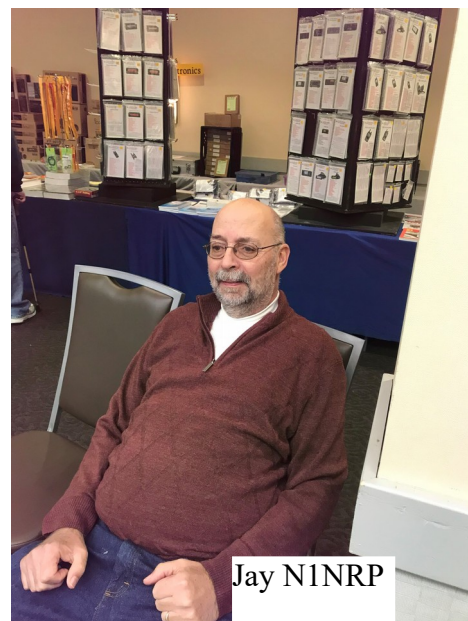
* Pending AMSAT Coordination. If needed, changes will be announced.
** U/V and L/V operations switchable by command station, not operational simultaneously.



Steve K1RF and Gary WE1M



Gary WE1M attended the Nutmeg Hamfest October 21st.



NUTFEST 2018



Larry W1LAG & Gary WE1M



Steve W1SMS, Dan N3DAW, Larry AB1JC
& Larry W1LAG



NE1CU GATES THE FIRST BEACON OF K1WAS

Larry AB1JC and Dave KB1LTW worked on Kevin's N1KGM's digipeater the other day. At the same time Mike K1MJM changed the callsign of WAS's KB1WLW's digipeater to WAS's new call sign K1WAS. During testing, this transcript is what happened next:

Ken!

Pretty cool!

You i-gated the very first beacon of K1WAS!

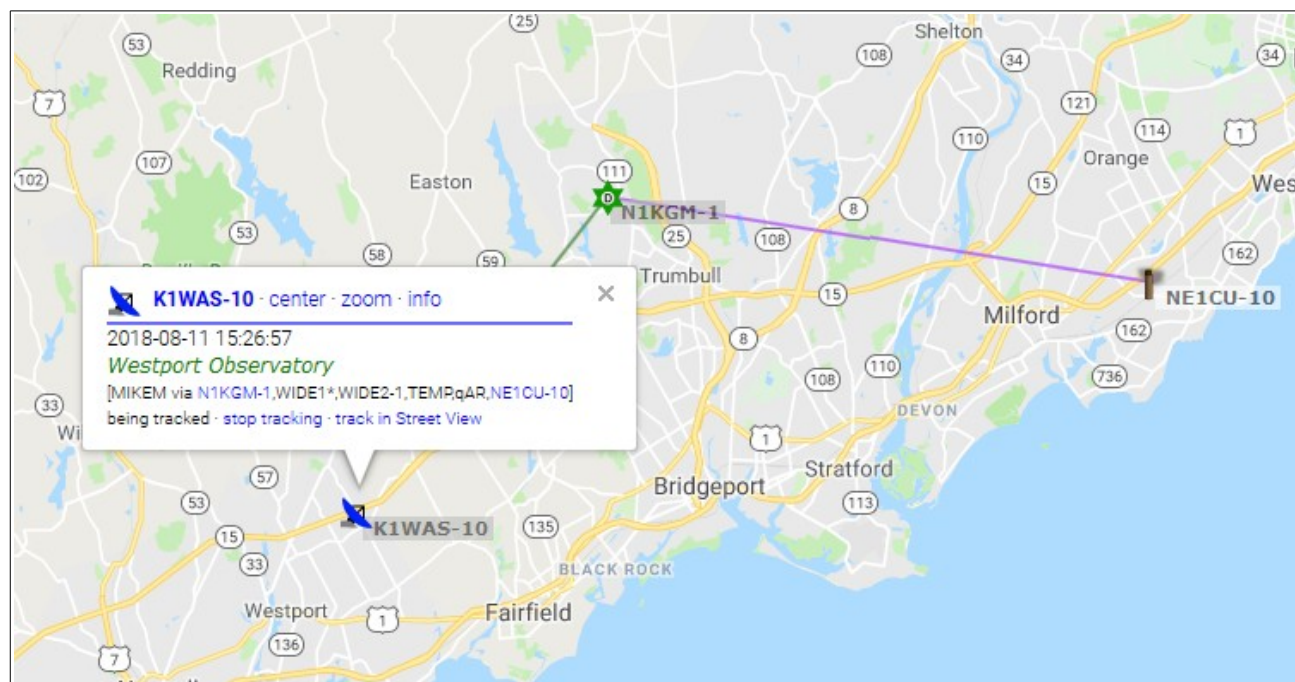
We should print this and save it in the K1WAS scrapbook!

73

[-Mike]

Larry AB1JC and David KB1LTW got Kevin's N1KGM digi functional just the other day. That's a good thing because it's been a long time since either of Ken's or Mikes stations have heard the other direct. Funny that the screen was while my symbol is a smoke stack. It's only like that briefly and not more than once in two hours. Long story. Ask me about it when I see you next. Got to let the smoke out once in a while.

[-Ken]



NE1CU-10 captures K1WAS's first digipeat through the newly fixed N1KGM-1
TNX K1MJM and NE1CU for picture and information.



A TIP OF THE HAT

- Congrats to Jay N1NRP on a successful Pasta Night in July
- Congrats to Dave KB1LTW & Larry AB1JC on their first successful FOXHUNT
- Congrats to GFARA on their new callsign N1ZU.

UPCOMING CONTESTS

- ARRL 160 meter - Nov 30-Dec 2
- ARRL 10 meter - Dec 8-9

SKED

- Our Lady of Grace Church, Stratford. Breakfast with Santa – Dec 9
- Christmas – Dec 25
- 630 & 2200 meter operation – Jan 26, 2019 (We will operate)
- January 26 – Official Club Meeting, at Winter Field Day during set-up
- Winter Field Day – Jan 26-27, 2019 (We will operate)

KIELBASA & KRAUT (Miscellany)

- This edition of the newsletter was made using LibreOffice Writer. Please let your Editor know if you see any anomalies. Thank you.
- These pictures were taken at the WAS entrance. Makes ya hungry doesn't it?



- A note posted on the hamvention web site (*tnx www.hamvention.org/*).

In the spirit of being transparent to our Hamvention family, we are distributing this update:

Hamvention/Dayton Amateur Radio Association has spent many hours working with Greene County officials to reach an agreement on a long-term contract where both the Fairgrounds and Hamvention would feel comfortable erecting a new building. Unfortunately, we have currently been unable to successfully reach an agreement satisfactory to all parties. This does not mean our relationship with Greene County and the fair board is not good, quite the contrary, it is excellent. It does mean that we will not have a new building for Hamvention 2019. Some of the significant upgrades accomplished in 2018 were, improved tents, permanent paths in the infield (flea market area) and we added an additional forum room. More improvements are planned for 2019.

We hope the Amateur Radio Community will understand and continue to support the event as enthusiastically as in the past. We will continue to send updates as the situation requires.

73,

Jack Gerbs, WB8SCT, Hamvention General Chairman

Rick Allnutt, WS8G, Hamvention Assistant General Chairman

NECROLOGY IN HONORARIUM

In Honorarium, we herewith list the names and call signs of those members and friends of HARC, who are now Silent Keys.

George Grosner – W1ASO SK

Tony Vena – K1BUI SK

Neil Lewbel – KA1PJQ SK

Mark Orner, PhD - KA1RSE SK

Lorraine Wilson, PhD - W1AR SK



HARC INFO

The Housatonic Amateur Radio Club was formed in 1995 to foster the development of Amateur Radio and advanced Ham Radio operating techniques, both through theory and on the air practice. To provide a suitable environment of camaraderie and support within which members, spouses and their children can obtain a better understanding of amateur radio, gain a proficiency in the art of amateur radio, and to have some fun.

Club Officers for 2018

President - Lawrence J. Reed, AB1JC

Secretary Treasurer – Thomas W. Moyher ESQ, N1UNT

Technical Officer – Michael J. Miciukiewicz, K1MJM

Youth Coordinator – Jennifer L. Coderre, N1ZZY

Director1 – Thomas F. Davis, W1TFD

Director2 – Kenneth E. Johnson, NE1CU

Webmaster – David H. Schadlich, KB1LTW

Trustee – Gary T. Moyher, WE1M

Website www.N1KT.org

The club call sign is N1KT.

Our annual formal meeting is held on Winter Field Day, and an informal meeting is held on Summer Field Day. Both meetings are held during set up time prior to the event start.

Contact Information

Housatonic Amateur Radio Club

Stratford, CT 06614

USA

HARC.N1KT@gmail.com

Grid FN-31

CQ Zone 5

ITU Zone 8

Fairfield County

10-X 67120

SKCC# 3980

HARC is an ARRL affiliated club.

QSL N1KT via WE1M, eQSL or Bureau.

If you prefer to send a QSL card, we will send a QSL card in return.

Our previous call sign was KB1BRB. We will gladly QSL KB1BRB contacts.

“Direct Currents” is the official newsletter of the Housatonic Amateur Radio Club and published four times a year. Gary T. Moyher, WE1M Editor.

Contact the Editor at: WE1M.radio@gmail.com

