

# DIRECT CURRENTS

The Official Publication of the Housatonic Amateur Radio Club, Vol XXIV Issue VI

## MEETING INFO

Our annual formal meeting is held every Winter Field Day, and our informal meeting is held every Summer Field Day. Both meetings are held during set up time prior to the event start. Our 2019 formal meeting was held January 26 during Winter Field Day setup. Trustee Gary WE1M addressed the membership and gave a State of the Union address, reviewing all that our club had done during 2018. This format was so popular and invoked such member interaction, that it was requested by the membership to have this format for our informal meeting in June. Our next meeting (informal) is scheduled for Saturday June 22, 2019 during Summer Field day setup and will have a Six-Month State of the Union Address.

## DAYTON HAMVENTION IN XENIA

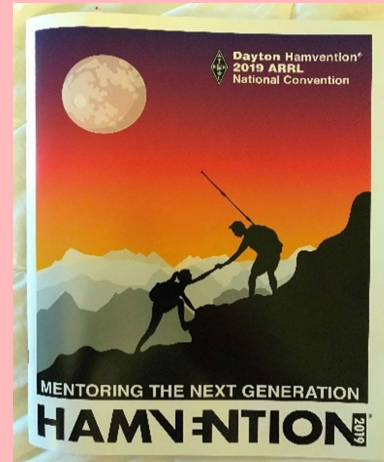
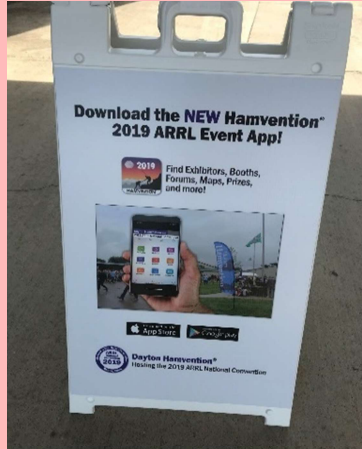
Club members Ned KA1CVv and Gary WE1M went to Dayton Hamvention in Xenia, Ohio last month. They went to assist John N1OLO with his Hamsource booth ([www.hamsource.com/](http://www.hamsource.com/)). Helping were Tom K1TMM, Dan N1ZZ, Bob WP4CI, John Z N3PDQ, Kevin Z and Mike KC9MOD.



Dayton Hamvention Patch Celebrating 50 years of AMSAT in Space



# Getting to Hamvention 2019



**Ned KA1CVV driving**



**John -N1OLO packing his trailer**



**Hamvention commemorative coins**



# Hamvention Buildings



# Hamsource & Quicksilver Radio



**Hamsource Booth**



**Bob KP4CI**



**John N1GNV & Quicksilver Radio**



**Ned KA1CVV & Dan N1ZZ**



**Not a breakfast nor member,  
but what a burrito!**





**Ned KA1CVV, Dan N1ZZ and Tom K1TMM hard at work!**



**Pin Map of Attendees QTH's**



**Gary WE1M & Gordon West WB6NOA**



**All good things come to an end.**



# Oh, The Things You Can See on Mulberry Street



### **FOXHUNT – POSTPONED**

As you all know, the foxhunt scheduled for May 11 has been postponed to a later date. No date has yet been given.

### **LIGHTHOUSE ACTIVATION**

Dave KB1LTW is planning to activate a lighthouse sometime this summer and is looking for help operating. More details next issue! Contact Dave to assist!

### **BI-ANNUAL BUFFET DINNER**

It is time for our bi-annual Tuesday night buffet get-together and dinner. We need to decide what Tuesday to go. Cost is \$19.95 per person + drinks + gratuity.

Bring XYL, harmonics etc. There is a live crooner type singer for our entertainment.

Since Gary WE1M must make reservations, please let him know how many you are bringing and we can all discuss which Tuesday night works best for everyone.

Sometime in June would be good because the holidays are over and it is before everyone starts traveling for the summer. Please RSVP & how many. Please respond to your email.

### **ARRL SWEEPSTAKES**

We are planning to operate in the ARRL Sweepstakes in November 2019. WAS has been reserved for the weekend. This is a fun contest and we urge all members to participate.

The phone portion of the contest runs November 16-18, 2019.

“The contest is somewhat unique in that each station may only be contacted once and the number of different recognized locations (“multipliers”) is limited to the ARRL and RAC sections. Working all of the sections is called a “Clean Sweep” and allows the station to claim one of the coveted Clean Sweep coffee mugs – there are other awards, as well.”-ARRL

More details next issue! Contact Dave KB1LTW or Gary WE1M to assist!

### **NOTA BENE**

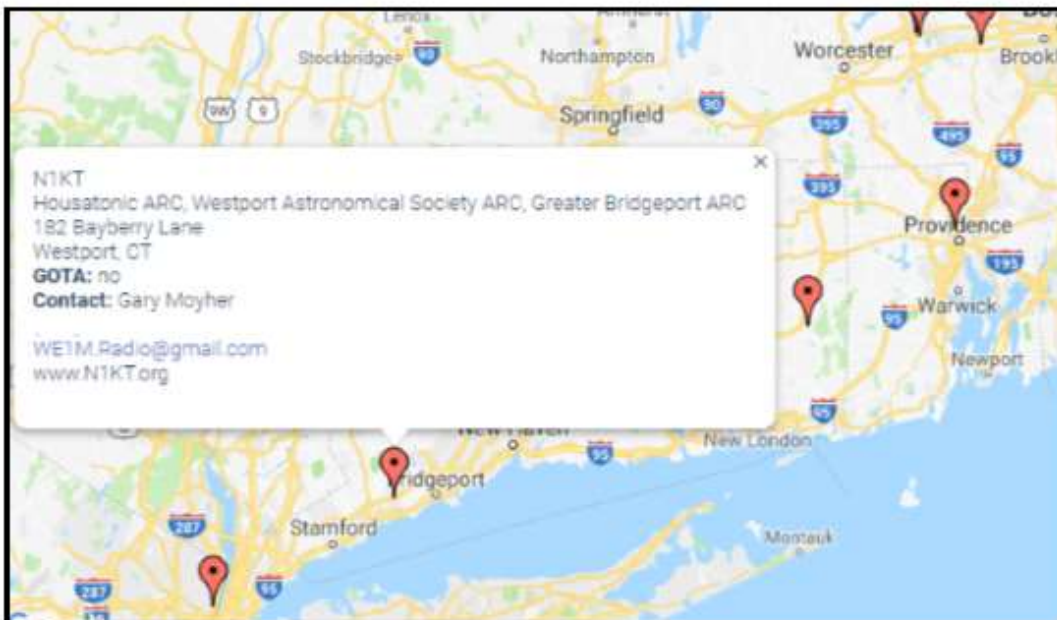
The Technician class scheduled to begin on Saturday May 4 was cancelled due to lack of student interest. We are now focusing our attention on holding a class at the University of Bridgeport for UB Grad students and CERT members in September, 2019. Negotiations are currently underway.

### **SUMMER FIELD DAY**

Summer Field Day is next Month! We will operate Summer Field Day the weekend of June 22-23 at the Westport Astronomical Society’s Observatory in conjunction with the WAS Radio Club & GBARC. N1KT will be used. We urge all members to join in on the fun! We will meet at WAS Friday June 21 at 9:30-ish am to scout the site. Setup begins Saturday June 22 at 9:00 am after a hearty breakfast at Sherwood Diner! Our official announcement is shown below.



**HOUSATONIC AMATEUR RADIO CLUB**  
**WESTPORT ASTRONOMICAL SOCIETY ARC**  
**GREATER BRIDGEPORT ARC**  
**N1KT**  
**FIELD DAY 2019**



**We will be operating Field Day Saturday June 22 to Sunday June 23, 2019**

**Where: Westport Astronomical Society Observatory,**

**182 Bayberry Lane, Westport, CT**

**Setup: Saturday June 22, 2019 at 9 am at the Observatory.**

**Informal HARC Meeting: During Setup time**

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





**KILOWATT 1 BARNUM SPECIAL EVENT STATION**


HARC and WAS will operate a special event station honoring the life and times of the great showman, P.T. Barnum.

On April 11, 2019 Gary WE1M requested the 1x1 callsign K1B from the ARRL 1x1 special event QSL manager, with the intention of running the PT Barnum special event station. This was approved on Monday 4/15/19. We have the callsign from September 7 through September 21, 2019. Gary also requested via Dan N3DAW the use of WAS for this event and this was also approved. So, if you

think you had a great time at the last PT Barnum special event station or the Nathan Hale special event station, attend this one!

We plan on two stations running amplifiers this time. We will put one station on the trapped vertical antenna and another possibly on the off center fed dipole. Time will tell if we can run the beam. (Jeff KB1LZ in looking at the beam.)

Operations should commence on Saturday September 7 after a nice breakfast at Sherwood diner. We need operators, so please consider attending and be sure to have a really fun time!



QSO w/ Mode

Date/Time

Frequency (mHz) RST

Tranceiver ICOM IC-7000  
Kenwood 590

Antenna HY-Gain AV-14AVQ  
G5RV @ 45-ft.

Proposed K1B QSL by Larry W1LAG



### BALLOONING with LARRY and Dave<sup>2</sup>

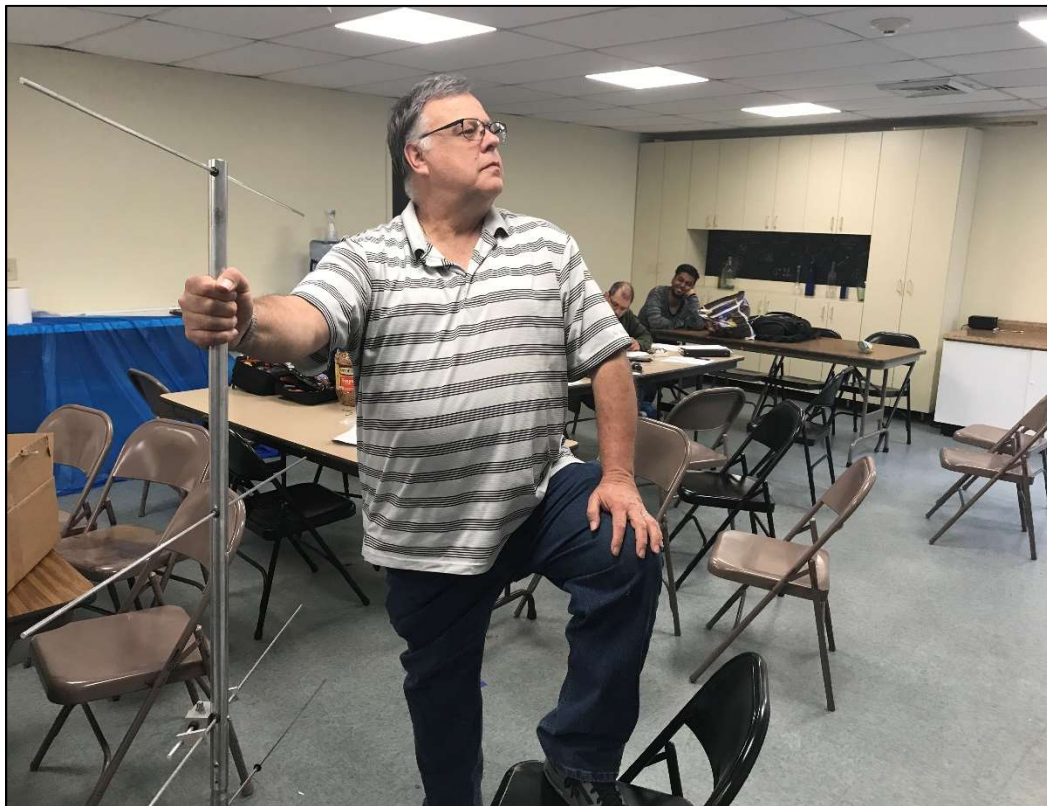
Dave S. KB1LTW and Dave M. KB1YYJ are working on a “pico” balloon. Dave S. KB1LTW has the kit built. Launch was scheduled for the Maker’s Faire Westport, however sustained winds of over 20 mph prevented him from launching. Stand by for further launch dates!

### DISCOSAT-1 CUBESAT SATELLITE



We would like to welcome club member Ken NE1CU to the CubeSat development team.

The following are the latest pictures of the CubeSat team putting together the ground station antennas and taking receipt of a Theia Space CubeSat simulator system kit. The kit will be used for Graduate Student instruction on CubeSat structure, design and control in space. There is also a picture of Sam KC1HOD receiving a Certificate for his invaluable contribution to our DiscoSat-1 CubeSat project. Sam was also instrumental in our balloon launches and in the video balloon launches for the 2017 Solar Eclipse in Paducah, KY. Larry AB1JC returned to the Satellite Development Lab to view the ESAT and to work on our satellite.

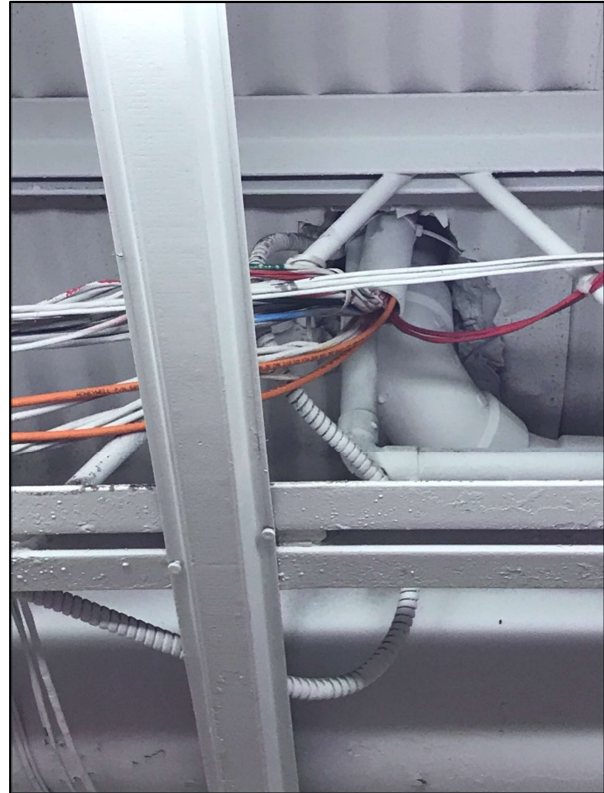


Captain Gary WE1M watching for whales





Mike K1MJM, Dave KB1LTW and Sam KC1HOD assemble the ground station antennas



Ken NE1CU and Gary WE1M ran CAT-6 Cables to the Satellite Development Lab



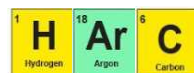


**Theia  
 Space  
 ESAT  
 CubeSat  
 Trainer  
 Kit**



**Sam KC1HOD (left) receives a certificate for his contributions to the CubeSat project!**





Here are some videos on the ESAT Kits.

<https://www.youtube.com/watch?v=4uSP5TAIFjo>

<https://www.youtube.com/watch?v=r2Ep3aZ630U>

<https://www.youtube.com/watch?v=ZPWiiBcHOH4&t=5s>

### **MAKERS FAIRE – APRIL 27**

Dave KB1YYJ, Mike K1MJM & Gary WE1M attended the Maker's Faire Westport on Saturday April 27, 2019. Mike demonstrated an ATV system which utilized a camera with a 1 watt transmitter on one side of the tent and a television with a wire antenna on the other side of the tent. Dave set up a 20 meter SSB station with a wire vertical antenna. Gary ran a continuous power point presentation and offered a signup sheet for the upcoming Technician course. Here are the first two slides of the presentation:



# K1WAS MAKERS FAIRE WESTPORT

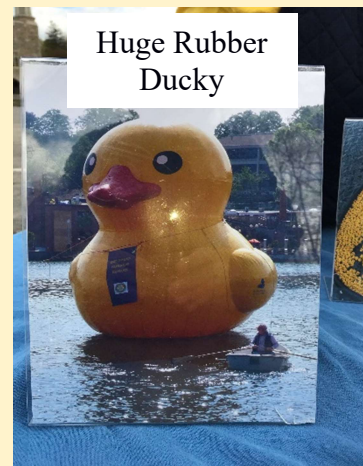
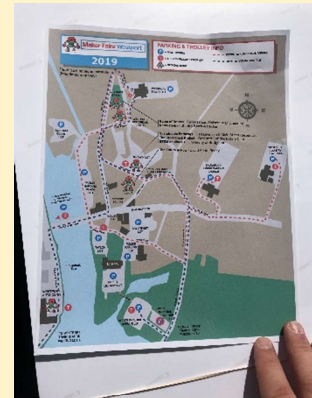


# K1WAS MAKERS FAIRE WESTPORT





# K1WAS MAKERS FAIRE WESTPORT



## “HAMS & EGGS” SATURDAY MORNING BREAKFAST

Breakfast at Circle Diner in Fairfield May 11, 2019.



Left to Right: Frank W1ZAH, Sam W1SMF, Jeff KB1LZ, James KC1LJH, Ken KC1LJJ, James KC1LJI, Emily N1DID, Larry W1LAG, Mike KA1EOU and Gary K1IC.  
Gary WE1M was the shutterbug.



**HAMFESTS**

- Newtown, CT Hamfest 08/25/19




Sanctioned by ARRL

# SAVE THE DATE

# AUGUST 25, 2019

Sunday, Doors open 8AM

Candlewood Amateur Radio Association  
Annual

## Western CT. Hamfest

The **BIGGEST**, little Hamfest in  
Western Connecticut

Indoor tables \$20 each, Tailgating \$15 / spot

Includes 1 admission  
 Admission at the door \$7 (\$1 discount with flyer)  
 Children under 12 Free  
**See you at the Hamfest "73"**  
CARA is a 501(c)3 organization

FALL "ARES" FORUM  
10:30 IN THE HALL

DEMONSTRATIONS

MAJOR VENDORS

INDOOR TABLES  
OUTDOOR TAILGATING

VE SESSION - 9:30  
NO APPOINTMENT REQ.

REFRESHMENTS  
RAFFLE  
DOOR PRIZES  
50/50  
GOOD TIMES

**TO BE HELD AT**  
 Edmond Town Hall  
 45 Main St  
 Newtown, CT

[Hamfest.cararadioclub.org](http://Hamfest.cararadioclub.org)

Contact: John Morelli  
 (W1JGM)

[Hamfest@cararadioclub.org](mailto:Hamfest@cararadioclub.org)

203-417-0160



## TIP OF THE HAT

- Congratulation to Sam KC1HOD on getting your first job out of school.
- Good luck to Charter Member Fred KB1BU with moving to North Carolina

## UPCOMING CONTESTS

- June 8-10 – VHF Contest
- **June 22-23 – Summer Field Day (We will operate)**
- July 13-14 – IARU HF World Championship
- July 20-21 – CQ WW VHF Contest
- Aug 3-4 – 222 MHz
- Aug 17-18 – 10 GHz
- Sep 21-22 – 10 GHz
- Sept 28-29 – CQ WW RTTY DX
- Oct 26-27 - CQ WW DX SSB
- Nov 3-5 – Sweepstakes CW
- **Nov 16-19 – Sweepstakes phone (We will operate)**
- Nov 23-24 – CQ WW DX CW
- Dec 8-9 – 10-meter contest

## OUR SKED

- June – Bi Annual Buffet Dinner
- June 22-23 – Summer Field Day (We will operate)
- Sept 7-21 – PT Barnum Special Event
- Nov 16-19 – Sweepstakes phone (We will operate)

## 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  
Thomas Wilson, PhD – WV1C SK  
Earl Dugan Sr. – KA1DCL SK  
Jay Albano – N1NRP 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 2019

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 – Kenneth E. Johnson, NE1CU  
Director2 – David H. Schadlich, KB1LTW  
Webmaster – David H. Schadlich, KB1LTW  
Trustee – Gary T. Moyher, WE1M

Website [www.N1KT.org/](http://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](mailto: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, NE1CU or Bureau.

Send a QSL card and we will send our QSL card in return. We prefer an SASE, but it is not necessary. We QSL 100% returned.

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

“Direct Currents” is the official newsletter of the Housatonic Amateur Radio Club.

It is published monthly. Gary T. Moyher, WE1M Editor.

Contact the Editor at: [WE1M.radio@gmail.com](mailto:WE1M.radio@gmail.com)

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