

# DIRECT CURRENTS

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

## 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. 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.

## SUMMER FIELD DAY

We operated 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 was used. Full coverage of our Field Day effort will be covered in the next issue of our newsletter Direct Currents.

Below are pictures of our team fixing our beam so it's ready for summer Field Day.



### FIXING OUR BEAM

Left: Mike K1MJM Iwo Jima's the beam whilst Larry AB1JC assists. Jeff KB1LZ attaches the balun and Mike KA1EOU holds the table to keep Jeff from tumbling down.

Below: Ken NE1CU, Mike K1MJM, Dan N3DAW (Aloha) and Larry AB1JC.





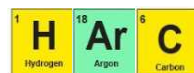
**REBUILDING OUR BUSTED MA5B BEAM**

**Top Left: Mike K1MJM, Larry W1LAG, Mike KA1EOU, Jeff KB1LZ, Mike KA1EOU and Larry AB1JC. (Larry W1LAG is just off screen). Gary WE1M was the shutterbug.**





Jeff KB1LZ shown above is working on fixing a trap on our MA5B beam.  
 Left: pristine pictures of WAS with no ham set up at all.



### **LIGHTHOUSE ACTIVATION**

Dave KB1LTW is planning to activate a lighthouse sometime this summer and is looking for help operating. If you would like to assist, contact Dave KB1LTW. More details next issue!

### **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!

### **TECH CLASS**

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.

### **PICO BALLOON LAUNCH**

Dave KB1LTW has decided to launch his pico balloon from the Discovery Museum in Bridgeport on June 29, 2019. This balloon was originally planned to be launched from the Westport Maker's Faire last month. However prevailing winds were too strong that day. Now he will attempt a launch again but this time from the museum. All are welcome to attend. Details next issue!

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

Our bi-annual Tuesday night buffet get-together and dinner took place the evening of Tuesday June 11. Ten members and wives got together and had a wonderful time. This was a one price all you can eat buffet with live entertainment. There were many items to choose from the buffet including salad, rolls, fish, ribs, cooked chicken, three types of shrimp, chicken parmigiana, stuffed mushrooms, pasta and prime rib. Everyone was very impressed by the menu, the entertainment and the low price! It was Dave S. KB1LTW's idea to have this buffet twice a year. Good call Dave! Our next scheduled buffet dinner will be for Christmas in the month of December. So, prepare your appetites and get ready for a good time! See pictures from the buffet below.







**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!



Showman Mayor of Bridgeport, CT Co-founded Bridgeport & Port Jefferson Steamboat Company Pro-Temperance  
 Founded Bridgeport Hospital Conn. State Legislator  
**The Greatest Special Event Station on Earth**  
 Significant Contributions to Tufts University Invented Three-Ring Circus  
**K1B**  
 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>**

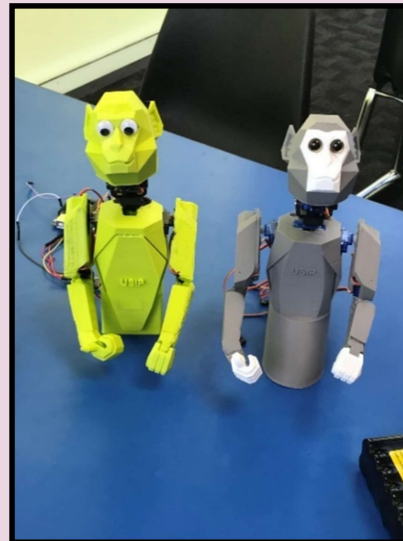
Our CubeSat team is also working on a second NASA STEM project called the Undergraduate Student Instrument Project (USIP). It is designed to have an Undergraduate payload launched on a high-altitude balloon. Our undergrads are producing an Arduino based High Altitude robotic Monkey (HAM). The expected flight schedule is: July TBD – Test Launch, August TBD – Backup launch Date, Sept TBD - Full Scale Launch. More details next issue!

**Undergraduate Student Instrument Project (USIP)  
Robotic Monkey Project**



**Club Member Larry AB1JC advising UB students Ricky and Xavier and two robotic monkeys at the Discovery Museum.**

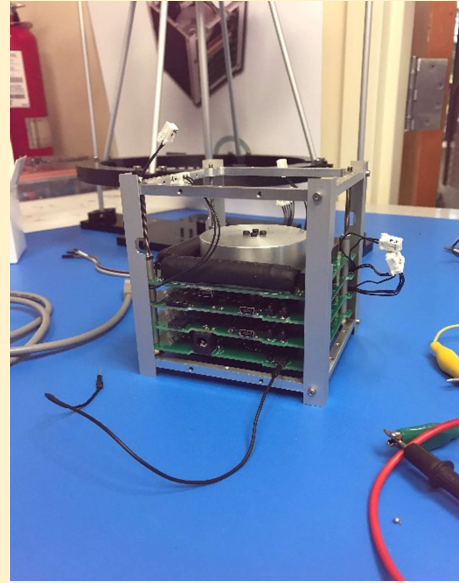
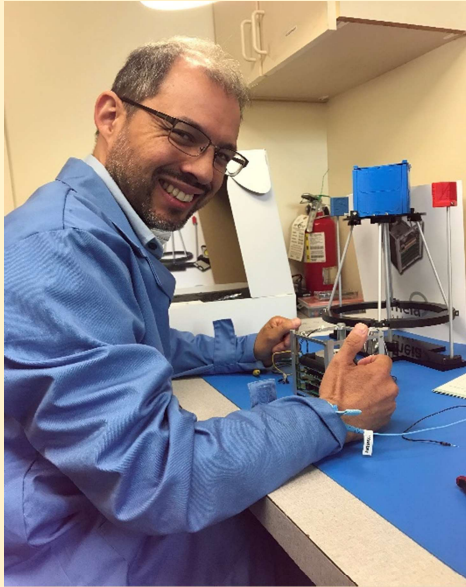
**Other club members Dave M. KB1YYJ, Dave S. KB1LTW and Gary M. WE1M are not shown.**





**DISCOSAT-1 CUBESAT SATELLITE**

**ESAT Educational Satellite**



**Dave KB1YYJ works on Ground Station (left), ESAT unpacked (Right)  
Larry AB1JC inspecting the battery manager module (below)**



**“HAMS & EGGS” SATURDAY MORNING BREAKFAST**



Breakfast at Sassafra in Shelton, May 25, 2019. Left to right: Gary K1IC, Jeff KB1LZ, Ned KA1CVV, Frank W1ZAH, Larry W1LAG and Emily N1DID. Not shown is Larry AB1JC & Gary WE1M.

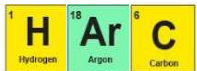




Breakfast June 1, 2019 at The Plaza Diner in Shelton. Clockwise from upper left: Sam W1SMF, Larry AB1JC, Larry W1LAG, Gary K1IC and Jeff KB1LZ. Gary WE1M was the shutter bug.

**NOTICE**

The next issue of Direct Currents Newsletter will be the September Issue.  
 Your Editor is taking the summer off.



**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



## **UPCOMING CONTESTS**

- 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 29 – Pico Balloon Launch
- July TBD – USIP Test Launch
- Aug TBD – USIP Test Launch Backup Date
- Sept TBD – USIP Full Scale Launch
- 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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