

# DIRECT CURRENTS

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

## 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.

**WE WIN 4H CATEGORY IN WINTER FIELD DAY 2019**

WFD 2019 RESULTS											
HOME											
4H											
CALL	CAT	SECT	PH	CW	DI	MULT.	PWR	Bonus PTS	CLAIMED SCORE	CALCULATED SCORE	
N4HAI	1H	OH	8	22	0	4	4	0	832	768	
WB4HRL	1H	SC	140	0	0	3	2	0	840	756	
KM4HVE	1H	TN	38	0	0	3	2	0	228	216	
KK4HUK	1H	VA	58	0	0	2	2	0	232	196	
KM4HQL	1H	GA	21	0	0	2	2	0	84	76	
KK4HFG	1H	SC	10	4	0	4	1	0		48	
N1KT	4H	CT	434	0	3	9	1	0	3960	3672	
K0WPM	4H	KS	121	100	0	5	1	0	1605	885	

N1KT wins category! 4H results from Winter Field Day 2019.



On March 27, 2019 Winter Field Day Association announced the results of the 2019 Winter Field Day and partial results are show above. But the best news is that we, **N1KT won category 4H!**

This is 4 stations at a home location. While we operated from WAS, the rules clearly state that any location where there is normally ham radio, is considered a home station – and WAS is certainly that!

WFDA calculated we made 434 QSOs & scored 3672 points, while second place was 121 QSOs for 885 points. Not bad. Not bad at all. In fact, it's a great effort!

Analysis: N3FJP software calculated just 4050 points with 447 QSOs. This is a difference of 13 QSOs. If we allocate them to "busted QSOs", that's  $13 \times 9 = 117$  points.  $4050 - 117 = 3933$  points. Not sure how WFDA calculated 367. Even if we allocate 2 points per busted QSO, that's  $26 \times 9 = 234$  points.  $4050 - 234 = 3816$  points. That's still a difference of 144 points! Perhaps they penalize more for busted QSOs?

*We also came in 5<sup>th</sup> overall in all the 'H' categories contest wide with the number of QSOs at 437.*

Congratulations to everyone involved in this winning effort!

**FOXHUNT – MAY 11**

Ken NE1CU and Larry AB1JC are planning to hold a foxhunt on May 11. Contact Ken or Dave to assist!

**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 May or June would be good because the holidays are over and it is before everyone starts traveling for the summer.

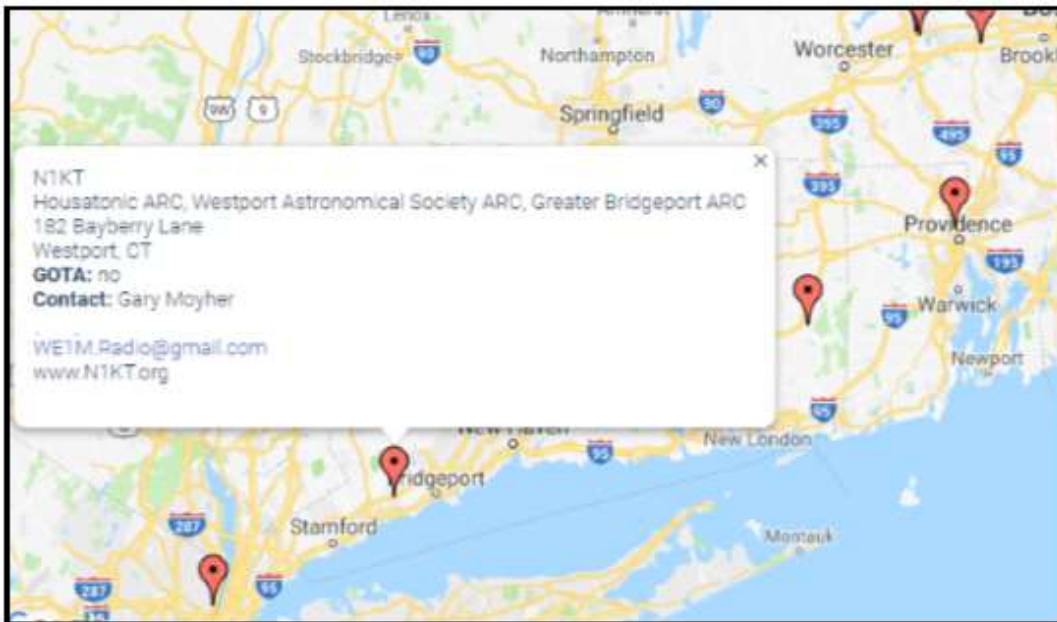
Please RSVP & how many. Please respond to your email.

**WE WILL OPERATE 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 again operate our 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.

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



**P.T. BARNUM'S MUSEUM**  
 CREATOR OF THE GREATEST SHOW ON EARTH  
 GENERAL TOM THUMB AND HIS MAGNIFICENT MINIATURE EQUIPAGE  
 MARVEL AT THE EXHIBITS  
 GASP IN AMAZEMENT AT WONDROUS CURIOSITIES  
 A Five-Ring Circus of Mythic Proportions  
 THE ASTONISHING AND HORRIFIC FEJEE MERMAID  
 JENNY LIND THE SWEDISH NIGHTINGALE

Mayor of Bridgeport, CT  
 Showman  
 Co-founded Bridgeport & Port Jefferson Steamboat Company  
 Pro-Temperance  
 Founded Bridgeport Hospital  
 Conn. State Legislator  
 Significant Contributions to Tufts University  
 Invented Three-Ring Circus

**K1B**  
 The Greatest Special Event Station on Earth

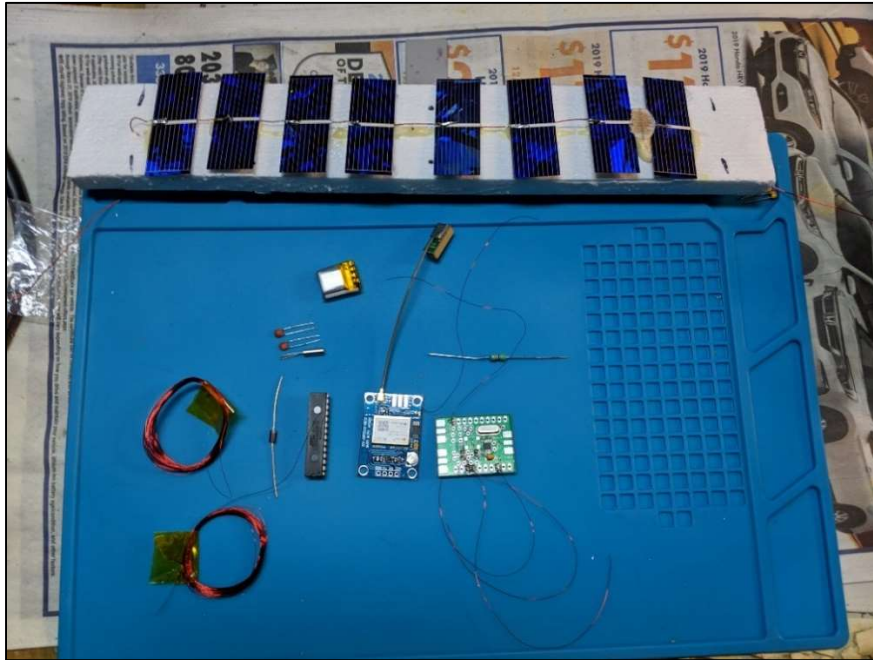
QSO w/ Mode  
 Date/Time  
 Frequency (mHz) RST  
 Tranceiver ICOM IC-7000  
 Kenwood 590  
 Antenna HY-Gain AV-14AVQ  
 G5RV @ 45-ft.

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 mostly built. Launch is scheduled for the Maker’s Faire Westport.



Dave KB1LTW is building his pico balloon. Parts are shown here.

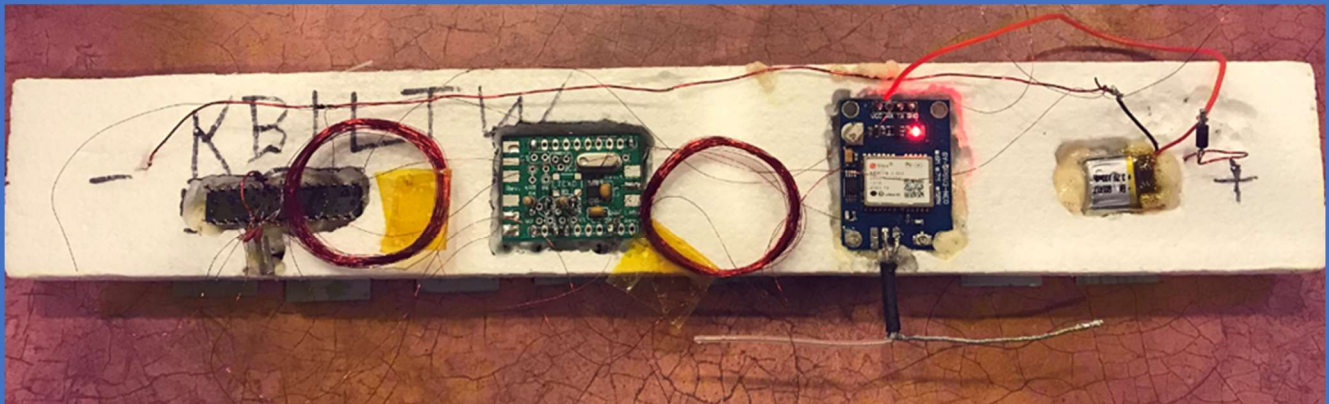
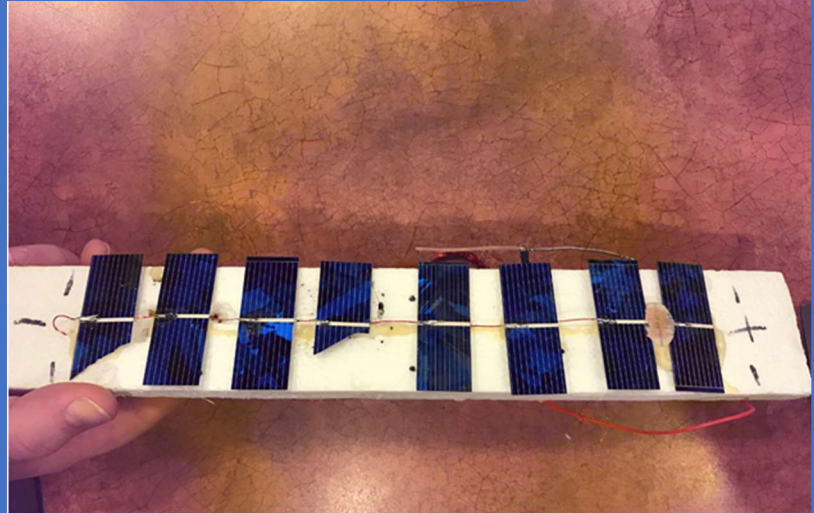


Payload weight is 25 grams.





Dave's Pico-Balloon is assembled and ready for launch after he replaces the broken solar cells.



**CQ WW SSB WPX**

Gary WE1M and David S KB1LTW operated the 2019 CQ World Wide Sideband Prefix Contest March 30 from WAS. Dave and Gary operated a total of 4-1/2 hours out of a possible 48. This year's contest was both thrilling and exciting. We operated 1 station on 20 meters SSB using the vertical antenna with the Ameritron amplifier at 500 watts. Set up time was a breeze as it turned out to be just assemble the station and amp, and attach the antenna.

Below is contest information and some pictures of the operation.

Score Statistics	
Total Contacts	61
Total QSO Points	123
Total Multipliers	58
Total Score	7,134
QSOs / Hr (Last 20 min)	0
QSOs / Hr (Last 60 min)	0

We made 61 contacts, 58 multipliers and scored 7,134 points

Prefixes Worked = 58
4L0 9A1 AA4 AJ7 CR6 D4 EI19 F4 IB9 II1 II8 II9 IO4 IO5 IO9 IQ8 IR6 IR8 K0 K4 K9 KI4 KJ4 KM9 KQ2 KU1 KV5 LZ73 LZ9 N6 N7 NB4 NF4 NG7 NI0 NN5 NO6 NP2 NR5 NR7 NT5 OM70 PJ2 RU1 S50 S57 TM29 TM6 UX5 VC6 VE3 VE4 VE5 VP5 W7 WN1 YM7 YT3

58 prefixes worked



**Total Contacts by Country:**

Country	Total	%
-----	-----	---
USA	26	43
Italy	10	16
Canada	5	8
France	3	5
Bulgaria	2	3
Slovenia	2	3
Cape Verde	1	2
Croatia	1	2
Curacao	1	2
European Russia	1	2
Georgia	1	2
Ireland	1	2
Portugal	1	2
Serbia	1	2
Slovak Republic	1	2
Turkey	1	2
Turks & Caicos Is.	1	2
Ukraine	1	2
US Virgin Is.	1	2
Total = 19		

**Total Contacts by Continent:**

Continent	Total	%
-----	-----	---
NA	33	54
EU	24	39
AS	2	3
AF	1	2
SA	1	2
Total = 5		

We worked 19 countries  
and 5 continents

**Total Contacts by Band and Mode:**

Band	CW	Phone	Dig	Total	%
----	--	-----	---	-----	---
20	0	61	0	61	100
Total	0	61	0	61	100

All on 20 meters





**2019 CQ World Wide Prefix SSB Contest  
March 30, 2019**

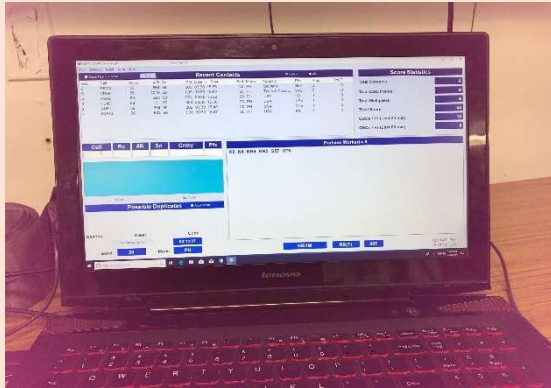


Alex N1AK, Dave KB1LTW and Gary WE1M at WAS.





**2019 CQ World Wide Prefix SSB Contest  
 March 30, 2019**



## DISCOSAT-1 CUBESAT SATELLITE

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



Museum balloon and CubeSat ground station

## TECHNICIAN COURSE COMPLETES

GFARA & HARC ran a Technician course at GFARA CG 77 building in Fairfield. The class moved along nicely. Six club members taught: Gary WE1M, Larry AB1JC, Jeff KB1LZ, Ned KA1CVv, Larry W1LAG and Sam W1SMF.

The VE exam was held on Wednesday April 17, 2019 in the evening. Of the 11 students, we now have 9 new Technicians and 2 new Generals! Congratulations to them all. They worked hard and have earned it. Below are pictures of the examination session.







Sam W1SMF running the show

Taking the exam

**Technician Class  
 April 2019**

Taking the exam

Sam W1SMF and Marilyn KB1YYO

Jeff KB1LZ & Sam W1SMF

Gary K1IC and Marilyn KB1YYO



### NEW TECHNICIAN COURSE

HARC and WAS will offer a Technician course beginning Saturday May 4 and running for 8-10 weeks. Classes will be at WAS Saturday morning from 9:30 am until 12 noon. Scheduled to

teach are Gary WE1M, Dave KB1LTW. Sam W1SMF will VE the final exam. If interested in attending, send an email to [WestportHamClass@gmail.com](mailto:WestportHamClass@gmail.com) and you will be registered!

# INTRODUCTORY HAM RADIO TECHNICIAN LICENSING CLASS

The Westport Astronomical Society Amateur Radio Club is pleased to announce it's upcoming Technician class  
Amateur Radio  
licensing course beginning  
Saturday May 4, 2019 at 9:30 am

**LOCATION: Westport Astronomical Society  
182 Bayberry Lane, Westport, CT 06880**

The course runs every Saturday morning for 8-10 weeks. Adverse weather delays will be made up on the following Saturday morning or by extending the course further into July. Whichever is most convenient.  
A \$50 fee covers the cost of all materials as well as the FCC sanctioned license exam.

Discover the opportunities for education, camaraderie, community service and fun... for all ages!, the Hallmarks of Amateur Radio.  
Learn from trained, experienced & Certified Instructors. No Morse Code - Ever!



Please email Gary Moyher, WE1M at [WestportHamClass@gmail.com](mailto:WestportHamClass@gmail.com) to reserve your place.

Last minute walk ins may be accepted dependent on class size limitations.

Hope to see you there and "ON THE AIR"

Gary Moyher, WE1M  
Westport Astronomical Society  
Amateur Radio Club





**MAKERS FAIRE – APRIL 27**

Dave KB1YYJ, Mike K1MJM & Gary WE1M will attend the Maker’s Faire Westport on Saturday April 27, 2019. Additionally, Dave KB1LTW is scheduled to launch his “pico-balloon”. Read all about it in next month’s issue of Direct Currents!

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



Breakfast at Circle Diner, Fairfield Saturday April 13, 2019. Left to right: Gary K1IC, Emily N1DID, Ken NE1CU, Larry W1LAG, Mike KA1EOU and Sam W1SMF. Jeff KB1LZ was the shutterbug.







Breakfast at Riverdale Diner, Shelton Saturday April 20, 2019. Left to right: Dave KB1LTW, Bob W1RPG, Gary K1IC, Mike KA1EQU, Emily N1DID, KB1LZ, Sam W1SMF and Gary WE1M.



Gary WE1M, the two-fisted coffee drinker!



**HAMFESTS**

- Dayton Hamvention, 05/17-19/2019
- Goshen, CT Hamfest 05/18/19
- 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

- Congrats to Gary WE1M on the birth of his new grandson Ethan.

## UPCOMING CONTESTS

- May (2<sup>nd</sup> or 3<sup>rd</sup> full weekend) – CQ WW Foxhunting Weekend (see CQ rules)
- May 25-26 – CQ WW WPX CW
- 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 17-19 – Sweepstakes phone
- Nov 23-24 – CQ WW DX CW
- Dec 8-9 – 10-meter contest

## OUR SKED

- May 04 – KY Derby
- **May 11 – Foxhunt**
- May 12 – Mother's Day
- May 18 – Preakness
- May 27 – Memorial Day
- May or June – Bi Annual Buffet Dinner
- **June 22-23 – Summer Field Day (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

Lorraine Wilson, PhD - W1AR SK

It is with great sadness that we report the passing of our friend Jay N1NRP.

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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