



# ZERO BEAT

<http://hcra.org>

May 2020

*Special points of interest:*

**Next Meeting:**

**HCRA physical are currently postponed until we have access to the meeting rm at Holyoke Hospital. Meetings will take place on Zoom.**

[Visit the HCRA facebook page.](#)

- Don't forget to check out [hcra.org](http://hcra.org)
- Our section webpage—[WMA.ARRL.org](http://WMA.ARRL.org)
- [Visit Summits on the Air](#)
- [Visit POTA413 facebook](#)

New Member—Welcome!!

Roberto Carrasquillo KP4RCD

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Hello everyone,

The word of the day is Zoom!

OK, by now, most, if not all of you have heard of, or participated in a Zoom meeting. Remember when Skype was the new way to see Grandma? And Facetime was the way for Apple users... well, business has Zoom. There are some security changes that have happened recently – a password is sometimes needed depending upon how the meeting is setup.

So, FCARC (our neighbor club in Greenfield – [www.fcarc.org](http://www.fcarc.org)) had their April meeting on Zoom, with a display and discussion of Arduino by Aaron KF1G. It went pretty good.

HCRA had the April BofD meeting on Zoom—(it worked great!) and is planning the May member meeting on May 1 with our guest speaker Marty Sullaway, NN1C to tell us about Team Exuberance – teens and contesting. This should be interesting – a chance for us all to be together, at home, and see a presentation on youth and Amateur Radio. We have had Skype in presentations at meetings before, but Skype generally works best one on one. Zoom can handle 100 people / connections. Go to <https://zoom.us/download> to get set up.

In other info – Netlogger is now being used on the HCRA nets. Several of us have been using it on HF nets (3838 Breakfast Club, Great Maine Potato Net, etc) and it really helps keep the discussion going – each person can hand off to the next in line, everyone can see who is on, and who is talking – so tune in on Mondays at 1930 (28.375) and Thursdays at 1930 (146.715, PL100—W1BR repeater). Go to [www.netlogger.org](http://www.netlogger.org) and download the software – it runs pretty easy. Once you get bit by the net bug, you can jump on other open nets through Netlogger. Nets are an easy way to ragchew with other hams.

Oh, and don't forget—"our" QSO party is the 1st weekend in May—<https://neqp.org/> — HCRA is an award presenter!!

73, John N1JIE

# Win a IC-7300

## Tickets only \$10 each

### Only 250 to be sold

**Drawing to be held at the MTARA HamFest March 2021 or when all tickets are sold.**



# FROM THE SHACK

LARRY KRAINSON W1AST



## May 2020 HCRA Presidents Message

I am writing this in mid-April. By now most of us have been in a home, self quarantine for a month or more. I run a home based business, so being home is not an adjustment for me. Having my wife Faye home at the same time is a slight adjustment. She works from the opposite end of the house.

I have been hearing from others that being home is making them crazy for many reasons. Either the quiet, the lack of others around them, the inability to concentrate, lack of work, increased distractions or inability to work with their kids home and so many other reasons. Some are lack of work. Or just more free time.

Lack of work and extra free time means more time for fun and interesting things, like ham radio. The HF bands have been pretty active and I keep hearing about openings on 10 and 6 too as well as other bands. I've been listening to DMR and have caught some of you on some of the talk groups. This extra time could be a good time to learn cw or improve your cw skills.

Try one of the Long Island CW Groups classes. I hear they do a heck of a good job teaching cw. ARES in the area is making a return and they are looking for more help. Contact K1YO or AA1WH for more info. If you don't want to make any noise, headphones and cw are a good choice or one of the digital modes are even quieter. So many choices.

One of the ways Faye (my xyl) and I have been getting out of the house safely while still social distancing ourselves is by going fox hunting in CT on the weekends. The ctfoxhunter group has 2 to 4 foxboxes that they hide each week. Each foxbox is in an ammo can with a radio, battery and some sort of antenna. They are hidden in the woods and locked to a tree or other object so it can't be stolen.

By watching the group, we can gather what town and where in that town is a good place to be to take a reading. We'll find a place where we can activate the foxbox and take a reading. We then pick a spot to take the next reading and repeat. Last week we were in Bolton Notch State Park in Bolton, CT and in Manchester, CT. Both were walk up foxhunts. We activated the foxbox and walked and repeated until we found it. The one hidden in Manchester had us a ways into the woods. Lots of trees, but the antenna pointed right at the foxbox which was covered with branches and hidden very well. But finding it with a tape measure beam and offset attenuator was easy and fun. We do this every weekend.

Finding those foxboxes in CT is great. But we'd like to do so in the CT River Valley too. I know there are many people interested in the Springfield area but they don't want to drive to central CT to find those foxes. The HCRA is doing something about that.

The HCRA is assembling a foxbox of its own. It's our first one and all those in the assembling and programming of it are very excited that soon, we'll be doing hunts here too. We also think if interest is high enough, we could add one or maybe two additional foxboxes to make it even more interesting.

This would give you a reason to safely get out of your house by yourself, with your spouse or maybe a fun activity with your kids. It's something you can share with your family and who knows, maybe enough to spark that interest in ham radio. It's an activity we could do at Field Day or as a demo with scouts or other youth groups. The possibilities are endless.

How do we activate the foxbox? On the set simplex frequency, I ID, press a certain tone and have the PL all set and IF the foxbox can hear you. It will transmit a series of tones and then ID itself. The HCRA foxbox will do the following:

# FROM THE SHACK CONT'D

A series of tones, then ID in CW with “WB1Z HCRA FOX HUNT”

WB1Z is one of the club calls. For those that do not know, WB1Z belonged to a club member; Jim Allen; who died way too young from cancer. He was an avid foxhunter. His widow allowed us to take his call to honor him. WB1Z rarely gets used when compared to the main club call; W1NY. By putting his call on the foxbox will put the call to good use and one Jim would be proud to have his call associated with.

If all goes well, by the time you are reading this, the foxbox will be in it's first hiding location waiting to be found.

How will you know when the foxbox has been hidden? Or how to trigger it? Announcements will be made on the HCRA Facebook page and email list when it's been placed. If you are interested in watching others or helping to find or go out and find the foxbox, you should join the new group WMAFoxHunters at: <https://groups.io/g/WMAFoxHunters>

Click on messages and watch the posts from the hunters. Posted there will be how to activate the foxbox. You can try to key it from home and if you can, announce that to the group so the hunters know where approximately to start their hunt.

Think of it as a search and rescue practice or a geocache that transmits so you can find it. It's a ton of fun. I do hope to see you out there; from a distance of course. Do post your finds with a picture, but do not tell the location so you do not spoil it for others!

It's time to get excited about Field Day weekend. June 26-28th. As of right now, we are planning for FD. Hopefully it will happen and we'll be able to hold it at our usual location, the School Street Park in Agawam. Mark your calendars, reserve that weekend to join us for a fun filled, ham radio weekend. It's always a great time. I think this may be my 36th Field Day!

The trailer inventory and organizing has been rescheduled. The new date is Sunday, June 14th at 10 am with a rain date backup of Saturday, June 20th at 10am. It should not take long at all based on the two hours from last year. The location is AA1YW's house in Southwick. Your help is appreciated. If you are not already signed up, drop me a note and we will add you to the list.

If you would like to volunteer for any of the following, please let me know, my email is below:

Tow the trailer to the FD site from AA1YW's house (need a truck that can haul 5000 lbs and has a 2 inch trailer hitch (my little truck tows it easily)

Friday afternoon setup – build antennas, set up towers, setup antennas

Camp out Friday night with us

Saturday morning setup – additional things

Operate Saturday: cw, phone, other?

Camp out Saturday night with us

Man the public information table

Food Guru – organize and cook dinner Saturday, plan and organize breakfast Sunday

Operate Sunday, cw, phone, other?

Sunday tear down

Sunday tow trailer back to AA1YW's house – see towing info above

If you want to do any or all of the above, please contact me.

Field Day is great fun! Even if you've never been on the air and want to learn, people will be there to teach and coach you. It is a rush and definitely builds excitement for operating HF.

# FROM THE SHACK CONT'D

The two HCRA nets are going strong with new people joining us each week. If you are around Monday and Thursday nights, please check in and join us..

Monday nights at 7:30 pm on 28.375 – AA1WH net control as W1NY – open to all

Thursday nights at 7:30 pm on 146.715 W1BR repeater with a PL of 100.0 – W1AST net control as W1NY – open to new hams from the past few years and all HCRA members only. It's a safe and friendly place for new hams to get comfortable and all check-ins to ask questions without fear of improper answers or attitude.

Lastly, the May meeting is Marty Sullaway, NN1C who will be speaking to us about Team Exuberance. They were featured in QST last year. They are the young adult contesting group who are burning up the airwaves. It will be a very exciting meeting and on a new venue for the HCRA. We'll be doing a Zoom meeting online. The HCRA now has a Zoom account and our first meeting details will be announced a few days before the meeting. A link will be provided to you on the HCRA FaceBook group where you can click it and view and listen to the meeting. No webcam and no microphone required. You do need sound on your computer. If you do have a webcam, then you can be interactive and ask questions after the guest speaker has finished his talk.

During the speakers talk, all mics will be muted. If you have a phone, you can watch and listen on it too. I really have no idea whether we'll have 15 people or 80 people attending. But we do have a limit of 100 people should it reach that. I do know there is a lot of interest and the meeting subject and presentation should be very interesting. I hope you will join us!

Lots to see and do. Lots to try and participate in. Lots of excitement as the HCRA grows with your participation into the future. This is your club, join in the fun and excitement and help us move forward and be more creative. Your thoughts, ideas and participation are welcome!



73,


Larry – W1AST

HCRA President



W1AST@arrl.net

## SCHEDULED MEETINGS AND SPEAKERS:



 **September**  Everything you wanted to know about Mag Loop Antennas by Ted Robinson, K1QAR

**OCTOBER**  Rich Collins, K2UPS of the Long Island CW Group & showcase his key collection

 **November**  The Amazing Transatlantic Feat of 1901 by Marconi – K1ZM, Jeff via Skype as he is in PEI



 **DECEMBER**  The annual HCRA / MTARA Holiday party


**JANUARY**   Bob Hassett Springfield emergency preparedness & EOC facility

 **FEBRUARY**  Bob, K1YO – ARES and it's recent come back in Western MA

 **MARCH**  Rob Macedo KC1DY talks all about Skywarn and how important it is for weather tracking

 **April**  Show & Tell — members bring in their projects and show them off!!  
*Postponed to September!!* 

 **MAY**  Marty Sullaway, NN1C: Team Exuberance – teens and contesting  
*Zoom Meeting!! - link to be emailed!!*

 **JUNE** Elections, Field Day and more? Please consider volunteering to run for a Board position—many hands make light work, and HCRA is better with you involved!!



# ARRL STUFF

Things are happening in the world of Amateur Radio. ARRL is our advocate for Government, education and organization. I hope everyone that is a member of HCRA is also a member of ARRL.

**Alternate Field Day methods** – with the current covid-19 restrictions in place, many are considering operating separately during Field Day. There may still be restrictions in place at that time (June 27, 28) that will prevent clubs from operating as a group in a public place. ARRL has some guidance (<http://www.arrl.org/news/field-day-2020-a-time-to-adapt>) in last week's newsletter to members and on the website to adjust and adapt to the new restrictions and these are some thoughts from a couple of us.

## Location

- Permission – check with owner / city / town well prior to setting up. If it's not your yard, you need authorization to setup.
- Setting up in your yard has many advantages – no travel, under your control, kitchen nearby, support staff with sammies...
- Space – have enough space to setup and leave 10+ ft to anybody that may come into the area, or ensure nobody comes into your area.

## Equipment

- Radio – mobile unit is nice but NOT necessary – a base radio will work – I've had my FTdx1200 in a tent in the winter – worked fine.
- Power – battery or solar or generator or commercial
- There are some restrictions if you operate on commercial power –
- Antenna – anything from a hamstick on a tripod to a tribander on a tower, the idea is to be setup temporary. Sometimes a dipole hung from a tree branch is very effective.
- Tuner – many mobile rigs need a tuner – a way to beat this is with a resonant dipole ☺
- Coax, cords, bungees, ty-raps, duct tape, wire ties, crimping tool, wire... you get the picture.

## Support equipment

- Tent / canopy – ya gots to protect yer equipment and yer head
- Consider a tent if working overnite – bugs and moisture and temperature...
- Food – whether its sammies or a grill, or pizza delivery – energy is not just for the radio
- Sunscreen – especially for the folks that haven't been out much ☺
- Drink – water is good, keep hydrated, don't overdo the sugary or alcoholic drinks
- Table – someplace to put the snacks .... Oh, and the radio ☺
- Chair – this is important – hopefully you will be operating for a few hours, and a good chair is sometimes worth as much as a good antenna.

## Signage

- If you allow others into your operating area you need to keep them away from the operator, the antenna, and each other

## Schedule & Band plan

- When are you operating? When are you sleeping?
- What band are you concentrating on – Antenna will determine a lot of this
- General or Extra frequencies (or Tech – UHF / VHF)? Keep track to stay within your license privileges.
- Sitting on a frequency or skimming? Different strategies at different times...

Read the rules – I know, somebody else always does this, and tells us what our class, etc is – now it's up to you. I'm hoping to be operating as 1E (gotta get another battery ☺)

[http://www.arrl.org/files/file/Field-Day/2020/1\\_61-2020%20Rules.pdf](http://www.arrl.org/files/file/Field-Day/2020/1_61-2020%20Rules.pdf)

Many of us will be using 2M HT to keep in touch – W1Tom (146.94, PL 127.3) and W1BR (146.715, PL100) would be a good place to listen.

73,

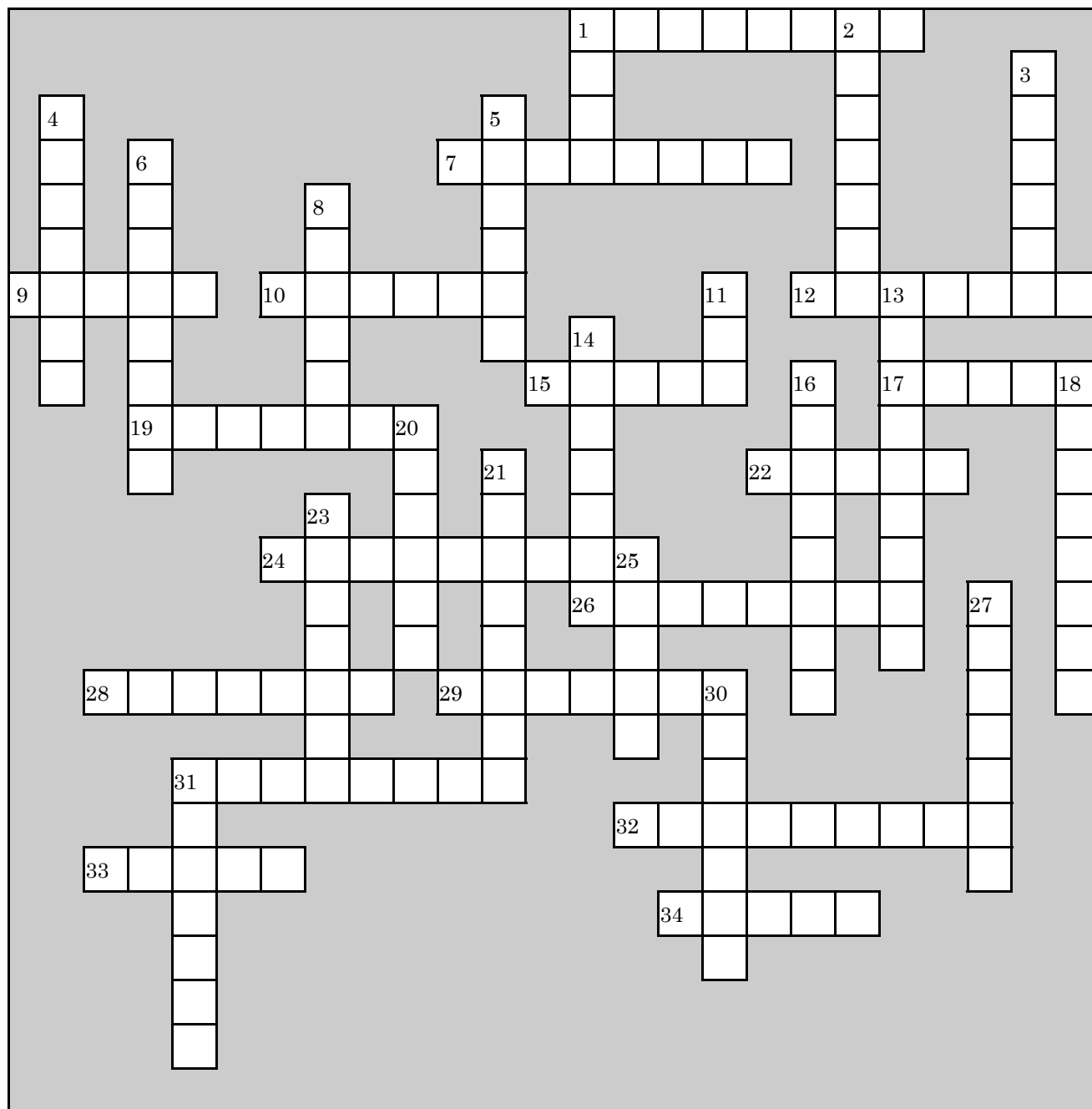
Harold N1FTP and John N1JIE

Membership is just \$49/yr, less than a weekly coffee at Cumbys...

To learn more about membership, and how it can help you—<http://www.arrl.org/membership>

# TECH TEASER—CROSSWORD PUZZLE!!

CQ CQ All Hams Can you solve the Pioneers of Radio Crossword de Najm AB1ZA@ar1.net



## TECH TEASER (CONTINUED)

CQ CQ All Hams Can you solve the Pioneers of Radio Crossword de Najm AB1ZA@arrl.net

<u>Across</u>		<u>Down</u>	
1	Developer of the APRS system (8)	1	Logarithmic unit named after him (4)
7	Measured the charge of an electron (8)	2	First ham transmission from space (7)
9	Controversial russian scientist (5)	3	Unit of current (6)
10	Crystal based oscillator (6)	4	Quantified the electric charge (7)
12	First practical transformer (7)	5	First OSCAR satellite (6)
15	Founder of the ARRL (5)	6	Invented the triode (8)
17	Had an assistant named Vail (5)	8	Hated all forms of AC. (6)
19	Fisrt satellite (7)	11	German scientist and unit of resistance (3)
22	Unit of voltage (5)	13	Inventor of the superheterodyne receiver (9)
24	Eddy currents in Canada (9)	14	Postulated the equations of electromagnetic waves (7)
26	Developer of a popular antenna analysis software (8)	16	A diode is named after him (8)
28	Father of information theory (7)	18	Mass and energy are equivalent (8)
29	Astronomer at odds with the church (7)	20	Satellite orbits coordinates named after him (6)
31	Coined the two types of charges positive and negative (8)	21	One of the three inventors of the transistor (8)
32	First communication across the Atlantic (9)	23	Noise due to thermal agitation (7)
33	Experimentally showed the existence of radio waves (5)	25	Genius Serbian-American (5)
34	Unit of inductance (5)	27	Radio pioneer. A type of antenna is named after him. (7)
		30	Link between electriciy and magnetism (7)
		31	Unit of capacitance (7)



**Clublog update:** Clublog can be accessed at <https://clublog.org/league.php> Signup is free, and there are a number of ways to lookup information. Give it a try.

### DXCC Leagues

The leagues are rebuilt once per day. Only callsigns active in the last 12 months are included in the league tables. The maximum size of a league is 2000 participants.

<input checked="" type="radio"/> No Mode Filter	<input type="radio"/> CW	<input type="radio"/> Phone	<input type="radio"/> Data
<input checked="" type="radio"/> Rank by DXCCs	<input type="radio"/> Rank by slots	Rank by band: Totals ▼	
<input checked="" type="checkbox"/> 160M <input checked="" type="checkbox"/> 80M <input checked="" type="checkbox"/> 60M <input checked="" type="checkbox"/> 40M <input checked="" type="checkbox"/> 30M <input checked="" type="checkbox"/> 20M <input checked="" type="checkbox"/> 17M <input checked="" type="checkbox"/> 15M <input checked="" type="checkbox"/> 12M <input checked="" type="checkbox"/> 10M <input checked="" type="checkbox"/> 8M			
<input checked="" type="radio"/> Current entities	<input type="radio"/> Current and deleted	<input checked="" type="radio"/> Worked	<input type="radio"/> Confirmed
<input type="radio"/> No Date Filter	<input checked="" type="radio"/> 2020	<input type="radio"/> 2019	<input type="radio"/> Last 12 months
Filter by club/continent: HCRA - Hampden County Radio Association ▼			

Generate DXCC League

League for HCRA - Hampden County Radio Association

Rank	Callsign	160	80	60	40	30	20	17	15	12	10	6	DXCC ▼	Slots	Range
1	NU1O-1	18	149	9	268	240	325	272	322	230	308	4	335	2145	32 yrs
2	NV1Q-3	27	135	0	180	111	308	257	314	232	258	2	329	1822	41 yrs
3	KK1W-1	133	188	7	267	209	306	272	278	212	231	20	328	2119	44 yrs
4	NF1G	0	148	0	217	240	244	249	216	141	78	14	295	1543	5 yrs
5	W1PY-1	34	113	0	192	83	239	199	238	128	204	3	288	1413	10 yrs
6	KX1X	63	115	53	173	128	194	108	201	27	191	4	246	1257	23 yrs
7	K1VOI	5	55	2	105	50	199	138	159	88	142	3	246	922	19 yrs
8	K1NZ-1 *	111	144	77	157	178	175	141	129	21	56	1	234	1188	9 yrs
9	AB1WT	2	32	1	52	4	127	123	128	83	89	1	212	820	6 yrs
10	W1AST-1	2	80	9	100	24	183	99	121	7	120	7	201	712	11 yrs
		160	80	60	40	30	20	17	15	12	10	6			
11	NT1K-2	8	49	2	103	33	184	45	141	47	123	1	199	734	10 yrs
12	N1FTP	0	7	0	80	0	188	48	117	18	109	1	182	522	12 yrs
13	WD1S-2	49	57	1	115	23	148	40	95	11	98	2	176	839	7 yrs
14	N1JIE	0	4	0	21	2	48	20	6	1	4	1	67	105	3 yrs
15	AB1ZJ	0	0	0	14	0	38	0	0	1	0	0	45	51	4 yrs
16	N1FJ	0	0	0	3	0	15	0	14	3	18	0	39	51	7 yrs
17	KB1V SX	0	2	0	4	0	35	4	1	0	2	0	38	48	4 yrs

You can link to your club here: <https://clublog.org/league.php?club=189>

### DXCC Leagues

The leagues are rebuilt once per day. Only callsigns active in the last 12 months are included in the league tables. The maximum size of a league is 2000 participants.

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Filter by club/continent: HCRA - Hampden County Radio Association ▼			

Generate DXCC League

League for HCRA - Hampden County Radio Association

Rank	Callsign	160	80	60	40	30	20	17	15	12	10	6	DXCC ▼	Slots	Range
1	KK1W-1	37	42	0	77	32	70	15	10	4	1	1	202	289	44 yrs
2	W1PY-1	0	31	0	72	0	153	0	47	0	1	0	177	304	10 yrs
3	KX1X	45	77	28	129	84	138	69	59	3	6	1	176	835	23 yrs
4	NF1G	0	51	0	63	53	69	57	33	21	17	1	161	385	5 yrs
5	K1NZ-1 *	54	87	42	88	81	108	87	29	8	7	1	159	570	9 yrs
6	NU1O-1	1	19	0	50	22	129	11	39	0	7	0	146	278	32 yrs
7	NV1Q-3	8	10	0	55	4	108	13	50	2	8	0	116	268	41 yrs
8	W1AST-1	2	34	0	44	1	77	4	15	0	0	1	89	178	11 yrs
9	NT1K-2	5	2	0	10	13	77	3	11	0	1	0	86	122	10 yrs
10	K1VOI	1	8	0	34	3	25	7	1	0	3	0	50	80	19 yrs
		160	80	60	40	30	20	17	15	12	10	6			
11	AB1WT	1	2	0	2	0	14	5	3	0	1	0	22	28	8 yrs
12	N1FTP	0	1	0	5	0	15	4	0	0	1	1	19	27	12 yrs
13	N1JIE	0	3	0	2	0	16	1	0	0	1	0	18	23	3 yrs
14	KB1V SX	0	0	0	1	0	12	0	0	0	0	0	12	13	4 yrs
15	N1FJ	0	0	0	2	0	4	0	0	0	0	0	6	6	7 yrs
16	AB1ZJ	0	0	0	0	0	3	0	0	0	0	0	3	3	4 yrs

You can link to your club here: <https://clublog.org/league.php?club=189>

This is the clublog with open dates—basically a history from the start of each persons log. As you can see, many of the top members have many years on the air.

Info from 4/26/20

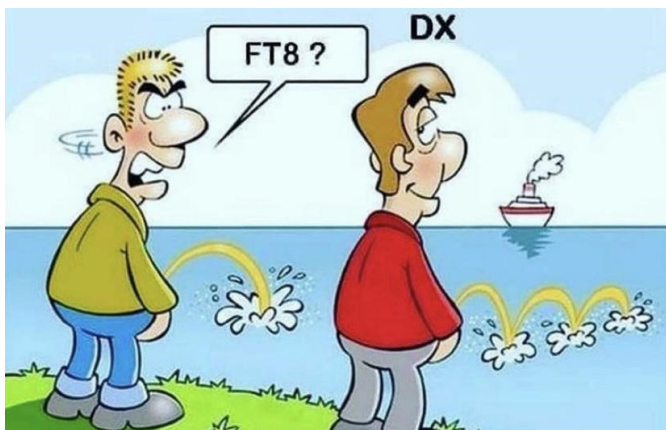
This is the clublog for 2020. You can see a different order of participants. But also some newer Hams getting active—awesome!

# A bit ah humah :-)

shamelessly collected from the internet



Hams waiting for sunspots:



# DOTS & DASHES: Things I can't think where to put, but are interesting.

## INTERESTING HAM RADIO WEB SITE:

### Skywarn—Amateur radio and the weather

Skywarn is a part of the National Weather Service (NWS)—it is a network of observers that report weather conditions in real time. Since many Hams have weather monitoring equipment, a means of quick direct communication, and a level of technical knowledge, Hams are a good fit with Skywarn. Some training is required, and very little is online, so currently classes are on hold for the Covid-19 time period. Our region does not have a local NWS contact—Albany and Boston are listed on the webpage.

So check it out—start with <https://www.weather.gov/SKYWARN> and look into the online available training at [https://www.meted.ucar.edu/training\\_course.php?id=23](https://www.meted.ucar.edu/training_course.php?id=23).



**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## INTERESTING “EVENT”

May 23-25 K0S Strange Antenna Challenge

Be your own special event station—Antennas are constructed of unusual, makeshift or debris material that may be on hand following a natural disaster. Append your call sign with /K0S, respond to your own QSL requests. For more info: [www.qrz.com/db/n0ew](http://www.qrz.com/db/n0ew) and <http://www.n0ew.org/k0s/>

### UPCOMING CONTESTS (just a few...)

#### May//

May 2-3	NEQP—New England QSO Party	Signal Rpt, County, State	80/40/20/15/10
Various	QSO Party—7 area/IN/DE/AR	Lots of fun!	

Many more contests listed at: <http://www.arrl.org/contests> or <https://www.contestcalendar.com/contestcal.html>

Don't forget special event stations— <http://www.arrl.org/special-event-stations> These are fun contacts, usually with a special QSL card or certificate.

#### **Special Event Station**

May 3-9	Indycar Grand Prix	Certificate & QSL	<a href="http://www.w9ims.org">www.w9ims.org</a>
May 16	W1M, WHOA/SCOTA 1300Z-1900Z	BSA, Russell, MA	
May 18-24	Indianapolis 500	Certificate & QSL	<a href="http://www.w9ims.org">www.w9ims.org</a>



# DOTS & DASHES: P2

## IT'S "OUR" CONTEST—NEQP!!

The New England QSO Party is May 4-5 2020

This is the QSO party for us! A chance to get some Dx looking for your contact, you being the host of the pileup. So setup your logging program, put on the coffee, and settle in for a fun time. This contest operates with a break in the middle for rest so it's not one of those all night contests.

Your contest exchange will be a signal report (59), County and State. This is the exchange for all New England stations. Non-NE stations will exchange a signal report (59), State/Province/Dx.

HCRA is an award presenter (Massachusetts - single operator - low power - Hampden County). This is something the club has done for several years, and it's not always a club member that wins.

More information at: <https://neqp.org/>

Netlogger Basics: So, we can do an entire ZB on setting up Netlogger, but we won't.

This is the main screen—note the top tabs—start with setup, this is where you personalize things. Then you select net—this lists the current nets, frequencies, etc. Select the net you want (you will be in lurking status until you check in) and monitor net (bottom of the net window). You will not show up until you are checked in—open the View Monitors window and you will see yourself as lurking. There is also a AIM window—you can sometimes check in via Al-most Instant Messenger, you can also message others on the net, like a chat window in Zoom.

Join us on Monday (10M net) or Thursday (2M net) and try it out.

The screenshot displays the NetLogger 3.1.5 - STANDALONE interface. The main window shows the 'Net Status and Control' section with a digital clock at 21:10. Below this is the 'Net Activity' section with buttons for 'Select Net', 'Create Net', 'AIM Window', 'View Monitors', and 'Log Contact'. The 'Check-ins' table is empty. A secondary window titled 'NetLogger 3.1.5 - Tri-State 2 Meter Net' is open, showing a digital clock at 00:38. This window has a 'Net Activity' section with buttons for 'Stop Monitoring', 'Start Logging', 'AIM Window', 'View Monitors', and 'Log Contact'. The 'Check-ins' table in this window is populated with the following data:

#	Call Sign	M/P	State	Member Id	Remarks	QSL Info	City	Name	Status	RST Rcvd	RST Sent	County	Grid Square	Street	Zip	DXCC	Country	Award Info
1	K8RAAK		OH		(no club info)		Portsmouth	Russell L. Jett	(c/o)								United ...	
2	K08PTN		KY		(no club info)		Wurtland	Kenneth R. Bailey									United ...	
3	WXBG		OH		(no club info)		Wheelerburg	Gary M. Caldwell									United ...	
4	K4K2NW		KY		(no club info)		Ashland	Scott L. Sharp									United ...	
5	K04CDC		KY		(no club info)		South Shore	Donald McKenzie									United ...	
6	K8BAAL		OH		(no club info)		Waverly	William L. French									United ...	
7	K8FER		WV		(no club info)		Milton	Frederic E. Ramsey									United ...	
8	K03UZY		WV		(no club info)		Huntington	Donna E. Henson	(c/o)								United ...	
9	K0IVMD		OH		(no club info)		West Portsmouth	Rodney E. Moore									United ...	
10	K0R2HN		WV		(no club info)		Kenova	Michael S. Rampley									United ...	
11	K8DMK		OH		(no club info)		Wheelerburg	Daniel M. Knapp									United ...	
12	KC8TCK		WV		(no club info)		Huntington	Dennis M. Chappelle									United ...	
13					(no club info)													
14					(no club info)													
15					(no club info)													
16					(no club info)													
17					(no club info)													

# Local happenings

**Sundays:** 0845: Western Mass Emergency Net 146.94, PL 127.3 - W1TOM/R

**First Monday:** Southwick Regional RACES Drill, 1845, 146.49 Simplex

**Mondays:** 1930: HCRA 10m Net 28.375

**Tuesdays:** 1930-2000: 146.94, PL 127.3 - W1TOM/R - Hampshire County Emergency Net

**Wednesdays:** 1930: MTARA Info net 146.94, PL 127.3 - W1TOM/R - includes NTS Net

2000: MTARA Swap net: 146.94, PL 127.3 - W1TOM/R

2000: MTARA Simplex Net - starts on 146.94 - PL 127.3, then goes to 146.42 direct (simplex) Usually starts immediately following the swap net.

**Thursdays:** 1930: HCRA New Ham Net 146.715, PL100—W1BR repeater, Holyoke. A friendly net with HCRA members and newer hams practicing net communications.

2100: Weather Net (Roger, K1PAI Net Control), 1st Thursday of every month: 147.090 MHz, All other Thursdays: 147.000, PL 127.3 - W1TOM/R

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- Hamfests and Conventions
- Volunteer Examiner Coordinator Program



<http://www.arrl.org/membership>

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## Club meetings & VE sessions Please

contact site / organization to ensure it will meet.

**1st Friday of the month** 7:30 PM, HCRA Club Meeting, Holyoke Hospital Auxiliary Conference Center, 575 Beech St. Holyoke MA 01040 (no meetings held in July or August.)

<http://www.hcra.org/meeting-location/>

**3rd Friday of the month** 7:30 PM, MTARA Club meeting, Red Cross building, [150 Brookdale Dr. Springfield, Mass.](#) (no meetings held in July or August)

**4th Friday of the month** 6:00 PM, Technician, General, and Extra Class License Exams, Holyoke Hospital Auxiliary Conference Center, 575 Beech Street, Holyoke, Mass. Hosted by the Western Mass VE Team (WMVET). Contact: David Cote, w1fab@arrl.net

**Second Monday of the month** 7:00 PM, Franklin County Amateur Radio Club meeting, Greenfield Community College, East Bldg. Rm 110 (no meetings held in July, August, December—check website) <http://www.fcarc.org/>



**Here is your exciting copy  
of Zero Beat!**

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**Hampden County Radio Association  
P.O. Box 562  
Agawam, MA 01030-0562**