



# ZERO BEAT

<http://hcra.org>

November 2020

*Special points of interest:*

*Next Meeting:*

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

[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](#)

New Member — Welcome!!

Keith Korbut      KC1NJU

## DUES ARE DUE NOW!!

Membership renewal is September—please renew your membership now—Use the easy online renewal at <https://www.hcra.org/online-new-membership-application-and-renewal/> You can even pay online using Paypal

We are still doing all our meetings on Zoom. Information is available on the FB page, the HCRA page and on the email list.

But, since we are a radio club—the Monday 10M net has been hopping. This is a great net, open to all levels of licensees, with an open format for discussions. The club is working towards getting the Thursday 2M net going again—there is a need for net control volunteers to make it work. The Covid check in net is also being looked at to restart, again, net control volunteers needed. Heck , if you are going to be on the net, you might as well be the NC!

Upcoming in December is a new one—the Virtual Holiday Party. We will have Fred K1VR, the ARRL NE Division Director, and others to talk about all things ARRL. Fred has both a legal and business background, and is the author of the ARRL book: *Antenna Zoning for the Radio Amateur*. Should be very interesting. Larry will send out the Zoom link prior to the meeting, like he does for the monthly ones, so sit down with your holiday plate at home, and join in!!

### Inside this issue:

73, John N1JIE

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## November Meeting

Jeff NT1K will be providing us with a presentation of SDR and FLEX Radio. As many of you have seen, either in advertising or in person, SDR is literally a complete radio controlled by software. Whether it is the little dongle that we were shown how to setup in a previous meeting, or that magic black box that is a Flex radio. One of the things that fascinates is the ability to set your own parameters, and show that pretty waterfall of your radio spectrum, very helpful when trying to find activity on a band. Flex also gives complete control of transmitting.

Jeff is a knowledgeable and interesting speaker, so look forward to having your horizon expanded!!

# FROM THE SHACK

LARRY KRAINSON W1AST



## November 2020 Presidents Message

Last month Matt, W1PY told us how to get started in contesting. The meeting was timed perfectly to coincide with the startup of the big ham radio contests in October. Sure, a lot of people say "I'm not a contester". I certainly said that for many years. I probably can still say it too. But I do enjoy getting on the air and working as many stations as possible. Sometimes it's DX, sometimes it's stateside or anyone on the air.

Around half a dozen years ago, I started getting more interested in chasing DX. After being a ham for 35 years, I was actually interested in earning my DXCC. The DX contests are a great way to work a bunch of DX stations easily. It's also a way to work some of those little islands that seem to be all over the place and each is considered its own entity. Many are activated just for contests. This is a perfect way for you to work them.

Originally, I started just working the ones I needed. Then gradually the fun of working many stations during Field Day in June, came back to me and I started working as many as I could work. I'll never be one of the big or mid-sized contest guns. My station is more of the tiny sized for contesting. But I enjoy participating and have fun. That's what it's all about.

I use N3FJP logging software for my contests that I participate in. Many use N1MM, there are others too. After the contest I make any corrections and submit the log. I also export it out and import it into my general log in DXKeeper which is part of the DX lab Suite. Then it gets uploaded to LOTW (Logbook Of The World - digital logbook confirmations).

From there I can print reports on what I have worked and what I need. I can also submit my DXCC or other achievements and request a certificate. There are many levels of each certificate, mine are mixed (phone & cw mainly, some digital) but you can get certificates for all one mode such as cw, phone, digital, each band and similar. It's all there for what you want. The certificates do look nice on the wall.

Contesting helped me earn those certificates. It helped me to work the stations that I always seem to miss or not being able to work. Maybe it's something for you to try? When I started, I just worked a few stations. The next year I had a goal. The following year my goal was to beat the prior year by x creating a new goal. Of course band conditions play into it. But it's always fun.

Even though it's early to mention, there is the ARRL 10m contest in December that the HCRA members participate in. That contest is one of a few where when you turn in your logs, you credit the Hampden County Radio Association (spelled out just like that) in your logging program. The goal is to get more members participating and getting the club a higher score each year. The ARRL 10m contest is both cw and ssb in the same contest. That's pretty unique as it's usually one mode with most other contests.

Please plan for the ARRL 10m contest in December on the second weekend. This year it's on the 12<sup>th</sup> and 13<sup>th</sup>. It runs 48 hours from 0000z (7pm) Friday through 0000z Sunday. Here's the link to all the details: <http://www.arrl.org/10-meter> Mark your calendar to participate and I do hope to hear you on the air that weekend. There will be more details in the December ZeroBeat.

## FROM THE SHACK CONT'D

Speaking of December, this year with Covid still running rampant, the Zoom meeting for the club is the way we are going. There will be no holiday party this year because of Covid. But there will be a December Virtual Holiday Party meeting.

You can sit at your desk, Zoom turned on, enjoying your dinner and glass of wine or beer and tune in as we have a special guest joining us that evening. Fred, K1VR who is the New England ARRL Director along with his assistant director and the western MA director will all be attending and K1VR will be speaking to us on all things ARRL. Start collecting your questions and comments. This should be a very interesting and informative meeting.

But let's back track. We're coming into November and the HCRA has a very interesting meeting on SDR in action and the Flex Radio. Jeff, NT1K will be presenting to us. We've heard the technical design aspects of SDR in the past. Now's your chance to see it in action and see how it works and how you can make it work for you.

Jeff has a Flex Radio 6400 which is a very cool radio. I almost bought one last year and often wonder if I should have (I'm very happy with my Kenwood TS-890s). The Flex can do some pretty cool things to make your radio contacts more enjoyable. Join your HCRA friends and Jeff on Friday, November, 6<sup>th</sup> at 7:30 pm.

For all the HCRA meetings, join the zoom meeting around 7:15 and join in the club meeting chatter among everyone. The meetings do start formally at 7:30, but beforehand you can talk with friends you haven't seen in a long time.

Now that it's getting chilly again and outside activities are changing, it's time to start thinking Fox Hunting! Just the other day, Faye asked me when we were going to start fox hunting again. Now that our summer and warm weather activities, and other non-radio activities are coming to a close, we're looking for other things to take their place.

Searching for the foxbox is a perfect way to social distance and have fun with ham radio. Join the WMAFoxHunters group on groups.io for free and learn about how you go about finding the tricky fox. Then post your finds and comments and pictures of your hunt. It's great fun and extremely addicting. It's also perfect for you and your spouse or quiet time for your self. Or maybe bring your kids or grand kids and let them enjoy the fun of finding the fox. It is great fun!

[I hope to see and hear everyone for the November 6<sup>th</sup> HCRA meeting at 7:30 pm.](#) The Zoom link will be published 3 to 4 days before the meeting on the HCRA email reflector and the HCRA Facebook page.

73's and Get On The Air!

Larry, W1AST

W1AST@arrl.net

## SCHEDULED MEETINGS AND SPEAKERS:



September

Show & Tell — members present their projects at Zoom meeting and show them off!!



OCTOBER

Beginning Contesting by Matt W1PY



November

SDR and Flex Radio by Jeff NT1K



DECEMBER

The annual HCRA Holiday party—this year a Virtual Party with a guest speaker, Fred K1VR, ARRL New England Division Director, all things ARRL.



JANUARY

2021

Harold N1FTP and the thrill of wallpaper certificates



FEBRUARY

2021

Different Fox Hunting Techniques & Gear



MARCH

2021

ClubLog: What is it, and What can you do with it?



April

2021

To be determined



MAY

2021

To be determined



JUNE

2021

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.

## An ARES resurgence in Western MA.

Over the last year, ARES has been getting retooled and reorganized in Western MA. There have been communication tests (one from our area to Franklin Cty to test non-repeater abilities that I participate in)

As you know, Bob K1YO is our WMA ARES Section Emergency Coordinator. Bob took this on to bring ARES back to national standards in our area, and things are moving forward. Right now, work on voice and digital communications is the focus. A section communications test is being planned for later this year that will test capabilities and provide practice in message handling during emergencies.

There are also training materials available on the web that cover ARES, Winlink, other digital modes and lots of topics. These are accessible for individuals and allow training without covid restrictions.

If you are interested in the ARES organization and would like to get up to speed, visit the WMA ARRL web page at <https://wma.arrl.org/>. Contact Bob K1YO at [k1yo@arrl.net](mailto:k1yo@arrl.net) and get on the email list for upcoming activity. HF, VHF, phone, digital—there is a place where you can help!!

## FCC proposal for fees (\$50) to Amateur Licenses.

OK, this is what ARRL is here for—to advocate for us. The FCC is proposing to institute a fee (\$50) for license applications (new, renewal AND vanity). I'm sure many of you have heard of this. But here is some info to make comments about this proposal:

- Read the ARRL guide to filing comments at <http://www.arrl.org/arrl-guide-to-filing-comments-with-fcc> This gives step by step direction for placing your comments in the federal register for the filing.
- Give the comment some thought. As the ARRL says in the guide—give the positive things that amateur radio provides—Emergency Communications, Education, Public Service (think FCARC radio support for races, Boston Marathon communications, etc), experimentation in communication equipment, ARISS. Should the grid or internet go down for any length of time, we will be a critical resource for public service.
- Write your comment carefully and respectfully. Try not to write it like my FB posts ;-)- use your big words, check spelling and grammar. Act like you are writing something important.
- Follow the link in the guide to the comment page and submit the comment.
- While these fees are seemingly not large, they are a cost that amateur radio has been exempt from due to our public service. We should keep that.

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



## Hampden County Radio Association, Inc – the bylaws.

So, did you know we are a Corporation? We fall under Massachusetts General Law, Chapter 180. Most charitable organizations that have dues, public service work, do fundraising are like this. Like everything else, it's mostly because of the money. It provides structure and limitations to prevent fraud. Not too complex. We are a non-profit – from Paul NF1G; *We are (income)tax exempt under Chapter 501(c)3 of the Internal Revenue Code. We pay no income taxes for federal or state purposes but we do file an annual return for both. Contributions to HCRA are tax deductible to the extent nothing in value is received in return. Dues are not tax deductible, however. Sales taxes are a completed separate issue. We have received an exemption from Massachusetts Sales Tax which is what I filed for and we recently received exemption from Massachusetts.*

As a Corporation, we have bylaws to provide an operating structure, define responsibilities, and guidance. Our bylaws are on the website under the membership tab: <http://www.hcra.org/by-laws/>. Its not a big document. Pretty straightforward. Read it, if you have any questions, contact a Board member, and we will do our best to answer you.

Speaking of Board Members – there are 9. All of us are listed in ZB each month, with our email. They are technically Director positions in the Corporation that is HCRA.

President – Larry W1AST - shall preside at all board and general meetings of the Corporation and at all other corporate functions.

Vice President – Marcel AA1WH - shall, during the absence of the President, perform the duties and assume the responsibilities of the President.

Treasurer – Duane KC1FQV - shall receive all moneys due the Corporation and shall disburse the same according to the will of the Directors. The Treasurer shall keep accurate books and records of all of transactions and shall publish monthly financial reports to the membership. The Treasurer shall perform all other functions normally necessary and required of the position.

Secretary – Paul NF1G - shall keep records of all meetings of the Corporation and of its Directors, shall maintain a directory of the membership, shall be responsible for all notices and correspondence as may be required and necessary and shall do all other things necessary and required of the position.

Technical Director – Najm AB1ZA - Will have the responsibly for all technical aspects of the Corporation to include but not limited to RFI problems.

Program Director – Gary AA1UE - Will select guest speakers for general Corporation meetings.

Membership Director – John K1VOI - Shall actively recruit new members at times and places of their discretion, and represent the Corporation in a manner to create growth of the organization.

Newsletter Director – John N1JIE - Will have the responsibility to write and publish the Corporation newsletter.

Director At-Large – Bob WA1OJN - Shall assist any corporate Directors as deemed necessary.

Other information is there, regarding meetings, approval of expenditures, etc. Did you know that Board meetings are open to members? If you are interested in listening in, contact Larry W1AST to get the meeting time and Zoom link. We would love to have any member attend and see how we work to make HCRA better.

So, do a little reading, look a little deeper into the club. It's not just a bunch of odd guys in their basements with shiny toys

# A bit ah humah :-)

shamelessly collected from the internet - CW jokes this month



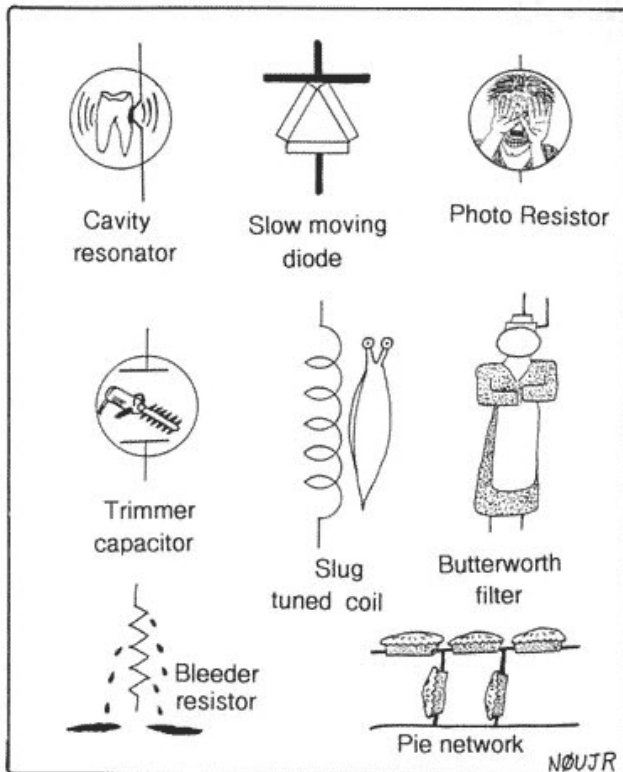
## HAM LINGO

## "Dead Bands"



"I've Never Seen The Band's So Dead"

Copyright © 1997 by Greg Trook



Little known standard electronic symbols.



**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.

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 10/29/20

No Mode Filter     CW     Phone     Data  
 Rank by DXCCs     Rank by slots    Rank by band: **Totals** ▼  
 180M  80M  60M  40M  30M  20M  17M  15M  12M  10M  8M  
 Current entities     Current and deleted     Worked     Confirmed  
 No Date Filter     2020     2019     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    | <b>NU1O-1</b>   | 18         | 149       | 9         | 288       | 240       | 328       | 274       | 322       | 230       | 308       | 4        | 335    | 2148  | 32 yrs |
| 2    | <b>NV1Q-2</b>   | 27         | 135       | 0         | 180       | 111       | 308       | 257       | 314       | 232       | 256       | 2        | 329    | 1822  | 41 yrs |
| 3    | <b>KK1W-1</b>   | 135        | 190       | 7         | 288       | 217       | 308       | 275       | 277       | 212       | 231       | 38       | 328    | 2158  | 44 yrs |
| 4    | <b>NF1G</b>     | 0          | 154       | 0         | 229       | 247       | 299       | 252       | 261       | 188       | 200       | 43       | 319    | 1853  | 36 yrs |
| 5    | <b>W1PY-1</b>   | 34         | 115       | 0         | 198       | 84        | 244       | 203       | 239       | 128       | 204       | 7        | 290    | 1434  | 10 yrs |
| 6    | <b>KX1X</b>     | 85         | 126       | 59        | 182       | 141       | 198       | 124       | 202       | 41        | 192       | 8        | 251    | 1338  | 23 yrs |
| 7    | <b>K1VDI</b>    | 5          | 58        | 2         | 109       | 51        | 199       | 138       | 160       | 88        | 142       | 3        | 247    | 935   | 16 yrs |
| 8    | <b>K1NZ-1 *</b> | 113        | 153       | 84        | 184       | 183       | 183       | 157       | 143       | 84        | 87        | 8        | 241    | 1317  | 9 yrs  |
| 9    | <b>N1TA-2 *</b> | 107        | 144       | 18        | 184       | 83        | 200       | 80        | 188       | 8         | 129       | 0        | 238    | 1067  | 16 yrs |
| 10   | <b>AB1WT</b>    | 2          | 32        | 1         | 52        | 4         | 128       | 123       | 126       | 84        | 89        | 1        | 212    | 622   | 6 yrs  |
|      |                 | <b>160</b> | <b>80</b> | <b>60</b> | <b>40</b> | <b>30</b> | <b>20</b> | <b>17</b> | <b>15</b> | <b>12</b> | <b>10</b> | <b>6</b> |        |       |        |
| 11   | <b>W1AST-1</b>  | 2          | 80        | 9         | 100       | 24        | 165       | 104       | 122       | 7         | 120       | 7        | 201    | 720   | 11 yrs |
| 12   | <b>NT1K-2</b>   | 8          | 49        | 2         | 103       | 33        | 184       | 45        | 141       | 47        | 123       | 1        | 199    | 734   | 10 yrs |
| 13   | <b>N1FTP</b>    | 0          | 7         | 0         | 80        | 0         | 165       | 48        | 117       | 16        | 109       | 1        | 182    | 522   | 12 yrs |
| 14   | <b>WD1S-2</b>   | 49         | 57        | 1         | 115       | 23        | 148       | 40        | 95        | 11        | 98        | 2        | 176    | 839   | 8 yrs  |
| 15   | <b>W1TRK</b>    | 0          | 3         | 0         | 11        | 0         | 84        | 0         | 34        | 0         | 1         | 0        | 79     | 113   | 4 yrs  |
| 16   | <b>N1JIE</b>    | 1          | 5         | 0         | 23        | 2         | 47        | 20        | 8         | 1         | 4         | 1        | 68     | 110   | 3 yrs  |
| 17   | <b>AB1ZJ</b>    | 0          | 0         | 0         | 14        | 0         | 38        | 0         | 0         | 1         | 0         | 0        | 45     | 51    | 4 yrs  |
| 18   | <b>N1FJ</b>     | 0          | 0         | 0         | 5         | 0         | 19        | 0         | 14        | 3         | 18        | 0        | 43     | 57    | 7 yrs  |
| 19   | <b>KB1V SX</b>  | 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=180>

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

No Mode Filter     CW     Phone     Data  
 Rank by DXCCs     Rank by slots    Rank by band: **Totals** ▼  
 180M  80M  60M  40M  30M  20M  17M  15M  12M  10M  8M  
 Current entities     Current and deleted     Worked     Confirmed  
 No Date Filter     2020     2019     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    | <b>KK1W-1</b>   | 41         | 53        | 0         | 100       | 57        | 102       | 24        | 29        | 7         | 14        | 22       | 218    | 449   | 44 yrs |
| 2    | <b>NF1G</b>     | 0          | 75        | 0         | 97        | 94        | 128       | 113       | 78        | 78        | 80        | 38       | 202    | 780   | 36 yrs |
| 3    | <b>W1PY-1</b>   | 0          | 37        | 0         | 87        | 1         | 170       | 15        | 57        | 0         | 5         | 8        | 201    | 378   | 10 yrs |
| 4    | <b>KX1X</b>     | 50         | 105       | 42        | 151       | 118       | 150       | 110       | 113       | 22        | 43        | 5        | 188    | 907   | 23 yrs |
| 5    | <b>NU1O-1</b>   | 1          | 19        | 0         | 83        | 22        | 188       | 27        | 77        | 2         | 51        | 1        | 183    | 431   | 32 yrs |
| 6    | <b>K1NZ-1 *</b> | 55         | 105       | 58        | 101       | 105       | 127       | 114       | 78        | 41        | 41        | 8        | 181    | 834   | 9 yrs  |
| 7    | <b>N1TA-2 *</b> | 14         | 85        | 18        | 84        | 55        | 111       | 54        | 45        | 1         | 12        | 0        | 132    | 438   | 19 yrs |
| 8    | <b>NV1Q-2</b>   | 8          | 11        | 0         | 55        | 4         | 108       | 13        | 52        | 2         | 11        | 1        | 118    | 285   | 41 yrs |
| 9    | <b>W1AST-1</b>  | 2          | 34        | 0         | 48        | 1         | 85        | 19        | 21        | 0         | 1         | 2        | 102    | 213   | 11 yrs |
| 10   | <b>NT1K-2</b>   | 5          | 3         | 0         | 10        | 13        | 81        | 3         | 17        | 0         | 4         | 0        | 92     | 138   | 10 yrs |
|      |                 | <b>160</b> | <b>80</b> | <b>60</b> | <b>40</b> | <b>30</b> | <b>20</b> | <b>17</b> | <b>15</b> | <b>12</b> | <b>10</b> | <b>6</b> |        |       |        |
| 11   | <b>K1VDI</b>    | 2          | 18        | 0         | 45        | 8         | 84        | 23        | 45        | 4         | 8         | 1        | 91     | 217   | 19 yrs |
| 12   | <b>W1TRK</b>    | 0          | 0         | 0         | 1         | 0         | 29        | 0         | 0         | 0         | 0         | 0        | 29     | 30    | 4 yrs  |
| 13   | <b>N1JIE</b>    | 1          | 4         | 0         | 8         | 0         | 18        | 2         | 1         | 0         | 1         | 0        | 27     | 35    | 3 yrs  |
| 14   | <b>AB1WT</b>    | 1          | 2         | 0         | 3         | 0         | 16        | 8         | 3         | 1         | 1         | 0        | 25     | 33    | 6 yrs  |
| 15   | <b>N1FTP</b>    | 0          | 1         | 0         | 5         | 0         | 15        | 4         | 0         | 0         | 1         | 1        | 19     | 27    | 12 yrs |
| 16   | <b>N1FJ</b>     | 0          | 0         | 0         | 4         | 0         | 10        | 0         | 0         | 0         | 0         | 0        | 13     | 14    | 7 yrs  |
| 17   | <b>KB1V SX</b>  | 0          | 0         | 0         | 1         | 0         | 12        | 0         | 0         | 0         | 0         | 0        | 12     | 13    | 4 yrs  |
| 18   | <b>AB1ZJ</b>    | 0          | 0         | 0         | 0         | 0         | 3         | 0         | 0         | 0         | 0         | 0        | 3      | 3     | 4 yrs  |
| 19   | <b>WD1S-2</b>   | 0          | 0         | 0         | 1         | 0         | 0         | 0         | 0         | 0         | 1         | 1        | 2      | 3     | 8 yrs  |

You can link to your club here: <https://clublog.org/league.php?club=180>



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

## INTERESTING HAM RADIO WEB SITE:

Not so much interesting, as honoring a SK that was the oldest ham in the world.

Cliff Kayhart W4KKP, passed at age 109. May God bless him and his family.

<http://www.arrl.org/news/oldest-known-us-radio-amateur-cliff-kayhart-w4kkp-sk-at-109>

## INTERESTING "EVENT"

Meteor showers—

Meteor showers are interesting, romantic, awe inspiring on a quiet dark night. But they also do things to the atmosphere—like ionize it for a few moments. This is one of the causes of "Sporadic E" - the ionization of the E layer of the magnetic fields around the Earth. And what this can do is open up 10m and vhf bands to long distance communication.

|                 |             |              |
|-----------------|-------------|--------------|
| Orionid         | 10/2-11/7   |              |
| Northern Taurid | 10/20-12/20 | peak mid Nov |
| Leonid          | 11/6-11/30  |              |
| Geminid         | mid Dec     |              |
| Ursid           | late Dec    |              |

So, setup your 10M, 6M and vhf rigs for meteors!!

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

**November**—not much for this month. No QSO parties.

|           |                        |             |  |
|-----------|------------------------|-------------|--|
| Nov 7-9   | ARRL Sweepstakes—CW    | check rules | <a href="http://arrl.org/sweepstakes">arrl.org/sweepstakes</a> |
| Nov 21-23 | ARRL Sweepstakes—Phone | check rules | <a href="http://arrl.org/sweepstakes">arrl.org/sweepstakes</a> |
| Nov 28-29 | ARRL EME Contest       | VHF/UHF     | <a href="http://arrl.org/eme-contest">arrl.org/eme-contest</a> |

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—

|          |  |  |
|----------|--|--|
| Nov 2-16 | 45th Anniv. Wreck of Edmund Fitzgerald | <a href="http://www.livoniaarc.com">www.livoniaarc.com</a>   |
| Nov 7-8  | USS Cobia Celebrating Veterans Day     | <a href="http://www.qrz.com/db/nb9qy">www.qrz.com/db/nb9qy</a>   |
| Nov 11   | Veterans Day SES—W4D, N9V, W5KID       | <a href="http://www.legion.org/hamradio">www.legion.org/hamradio</a> , <a href="http://www.eventqsl.webs.com">www.eventqsl.webs.com</a> and <a href="http://www.qrz.com/db/w5kid">www.qrz.com/db/w5kid</a> |

I know many of us are veterans—2 of these are from WW2 ships, another sponsored by the American Legion.

## Local happenings / Nets

**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.

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

## Join the ARRL or renew your membership!

ARRL members enjoy:

- QST Magazine
- Members-Only Web Services
- Technical Information Service
- Member Discounts
- Outgoing QSL Service
- Continuing Education
- ARRL as an Advocate
- Regulatory Information Branch
- Public Relations for Amateur Radio
- ARRL Field Organization
- ARRL-sponsored contests
- Operating Awards
- Local Clubs
- Amateur Radio Emergency Service
- Hamfests and Conventions
- Volunteer Examiner Coordinator Program



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

## HCRA contact list

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Vice-President, Marcel LaPier AA1WH  
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Treasurer, Duane Pray KC1FQV  
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Secretary, Paul Kelliher NF1G  
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W1NY trustee, John N1JIE  
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WB1Z trustee, Vanessa W1IRL  
w1irl@arrl.net

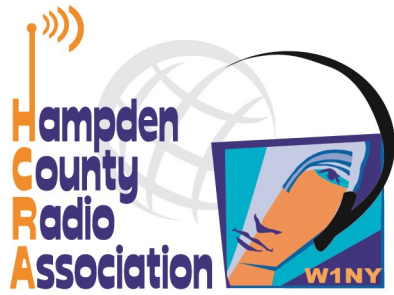
## Club meetings & VE sessions Please contact site / organization to ensure it will meet.

**1st Friday of the month** 7:30 PM, HCRA Club Meeting, Virtual meeting on Zoom. Meetings will continue on Zoom until it is safe to meet as a group. <http://www.hcra.org/>

**3rd Friday of the month** 7:30 PM, MTARA Club meeting, Virtual meeting on Zoom. Meetings are on hold until further notice. <https://mtara.org/>

**4th Friday of the month** 6:00 PM, Technician, General, and Extra Class License Exams, in-person exams are on hold at present. A virtual exam is being explored. 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, Virtual meeting on Zoom. Meetings will continue on Zoom until it is safe to meet as a group. <http://www.fcrc.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**