

ZERO BEAT

http://hcra.org November 2015

Special points of interest:

- Next Meeting Friday, Nov 6th Bicycle Mobile HF-Joe Chapman
- Visit the HCRA facebook page.
- Don't forget to check out <u>hcra.org</u>
- Visit Summits on the Air
- Visit POTA413 facebook page

Don't forget this year's raffle!



See Page 3 for details.

November's Meeting

Join us Friday November 6th at 7:30, in the Holyoke Medical Center Auxiliary Conference Center



Bicycle Mobile HF

With Joe Chapman NV1W

If you ever wanted to put an HF rig on a bicycle, this is the meeting for you!

Just in time for winter, the November meeting will feature Joe Chapman, NV1W, speaking on "Bicycling and Ham Radio". Joe will talk about both VHF/UHF operation as well as taking a portable HF station on the road: equipment considerations, power, solar panels, antennas, and carrying everything. He will also share some stories of living and operating on the road.

For directions to The Holyoke Medical Center Auxiliary Conference Center:

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

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North American HF Nets

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Come join us for the 4th annual

HCRA-MTARA Holiday Party

Join us for the 4th annual HCRA-MTARA Holiday Party on Monday December 8th, 2014, at the holiday decorated Steaming Tender Restaurant, in Palmer, Ma. Cocktails start at 6 pm. Buffet style dinner at 7 pm. Door prizes and more! Cost is \$20.00

Tickets can be purchased at the November 6th, HCRA meeting, by contacting Harold Woering at n1ftp@yahoo.com, or by mail : HCRA, P.O. Box 562, Agawam, Ma 01001







DX CODE OF CONDUCT

The past couple of weeks, while trying to work some pile up's, some of the antics where incredible. One afternoon, E51EAQ from the South Cook Islands, was booming into the area at 10-20 over on 17 Meters. One "W7" ham, repeated his call sign every 10 seconds no matter who was talking, till they responded to him. Then there were the guy's that were tuning up on full power right over the top of everyone. How about the guy's who have not been listening, and ask the station to give his call sign again, and again. And my favorite, when station calls for a "WB5", and a "W2" answers.

I finally did get him (E51EAQ) on 10 meters the next day, portable.

With all the antics that are occurring daily, from kids in schools with cell phones, to the way people drive, to the feeling of entitlement, wouldn't it be nice to have Amateur Radio be the sole place where manners still matter!

I ask that all the members of the HCRA subscribe to, and operate by, the "DX Code of Conduct"! Let's set the standard!



Even Mr. Spock likes the "DX Code of Conduct"

DX CODE OF CONDUCT



- I will listen, and listen, and then listen again before calling.
- I will only call if I can copy the DX station properly.
- I will not trust the DX cluster and will be sure of the DX station's call sign before calling.
- I will not interfere with the DX station nor anyone calling and will never tune up on the DX frequency or in the QSX slot.
- I will wait for the DX station to end a contact before I call.
- I will always send my full call sign.
- I will call and then listen for a reasonable interval. I will not call continuously.
- I will not transmit when the DX operator calls another call sign, not mine.
- I will not transmit when the DX operator queries a call sign not like mine.
- I will not transmit when the DX station requests geographic areas other than mine.
- When the DX operator calls me, I will not repeat my call sign unless I think he has copied it incorrectly.
- I will be thankful if and when I do make a contact.

I will respect my fellow hams and conduct myself so as to earn their respect.

THE RESULTS ARE IN.....



HAMPDEN COUNTY RADIO ASSOCIATION'S FIELD DAY 2015 RESULTS

JEFFERY BAIL NT1K

Field Day 2015 scores have been posted by the ARRL for all to see. HCRA did quite well considering the weather conditions that we had to deal with during field day. It rained for a good part of the weekend but it was very bad Saturday afternoon into Sunday morning. The rain and strong winds made communications difficult for some of the stations. We ended up taking one of the CW stations off the air. However we still managed to make 3,068 contacts and with multipliers and bonuses we ended up with 9,974 points.

Here are some facts:

Overall we placed 49th out of the 2720 logs that were submitted

In our 6A category we've placed 7th overall In the New England division, we've placed 4th In our Western Mass section, we've placed 1st

Very impressive. Even though it would be nice to come 1st in everything, I feel that having a great time is much more important. A big thanks to all those who came out to help setup, operate and tear down. If it wasn't for you guys, Field Day



wouldn't be possible. I hope we could plan one for next year to show the public just a fraction of what amateur radio is about. However that depends on the amateur radio community.

We would need help with planning and we would need even more help with operations. Once again, thank you!

HCRA's raffle this year is for a Kenwood TS-590SG!



It's that time for the Hampden County Radio Associations (HCRA) annual raffle. This year the board of directors wanted to raffle off a 100w base station transceiver. The Kenwood TS-590SG (\$1700 Retail) was the perfect choice because it's a very excellent radio packed with features that rival radios that cost much more. It's an HF-6M 100W with 32bit DSP that has excellent receiver according to Sherwood Engineering. Some of the features

include: Auto Tuner, On Screen CW decoding, HF and 6M Antenna Jacks, Programmable Functions, 500hz / 2.7kHz Roofing Filters, DSP AGC, USB Port, Noise Reduction, Down Conversion.

HCRA has printed 250 tickets. Due to the price of the item, HCRA has put a limit on the minimum amount of tickets that can be sold before the raffle is allowed to take place. If the minimum amount has been reached, the item will be raffled at the Mount Tom Amateur Repeater Association's Ham Fest in 2016. We're asking \$10 for each ticket.

FROM THE SHACK

JEFFERY BAIL NT1K



Contest season is here and it started off with a bang. CQWW SSB was on the weekend of the 24th and the bands were alive with thousands of operators trying to make contact with each other. Contesting is the perfect activity for those chasing awards such as WAS (Worked all states) and DXCC (DX Century Club). Due to some of the fast paced contests, it's also perfect for those who are interested in handling traffic. Being able to copy messages accurately in less than ideal conditions as fast as possible would be perfect if you ever have to do traffic handling. Contesting would sharpen your skills as an operator.

I put in a good enough effort into CQWW and managed to claim over 1.25 million points which was a personal best. It was also great to hear other HCRA members in the pileups making contacts. I had an excellent time and I hope you did as well.

Since Amateur Radio has so much to offer, I understand that contesting might not be your "cup of tea". I think being active in Amateur Radio and sharing your accomplishments will help out others in the hobby.

Speaking of Sharing, Gary Fields (WA1MOW) has stepped up to the plate and will help create "Share Your Knowledge" classes. We have so many knowledgeable members that it would be a waste not to share what they know well with other members. It would make for a better operator and even a better club. These classes will be separate from the meeting and will dive into a topic in great detail. We would like to put on these classes but it's up to you, the member to make it possible by participating. If no one is going to participate then we can't put on the classes.

The first class will be about "DX Labs Suite" which is an excellent piece of software used for radio control, logging contacts and even with digital modes. The class will cover installation and operation of the software. Learning this software or software like it could make you a better operator. You will be spending more time on the air having fun instead of tracking and filling out QSL Cards, uploading to LoTW, eQSL or similar logging sites or trying chase contacts using spotting network,

It seems like we have people signed up for the class, but more would be better. If you are interested, please contact Gary Fields (WA1MOW).

HELP WANTED: THE MTARA HAMFEST NEEDS OUR HELP!

Once again the MTARA will be holding it's Annual Hamfest on March 5, 2016 at the Moose Lodge in Chicopee, MA. The committee is in its intial stages of putting on another great event. We are looking for crews for all aspects of the show. If you have worked the show in the past or maybe a newbie just wanting to get started, then by all means contact us and get involved. We love to have you. This year we will have something for everybody, new equipment, used stuff, computers, tubes, parts, VE Exams and great food. If your a bargain hunter this is the place to be. We will update you as news becomes available. If you were a vendor in the past, register early, first come first serve. Looking forward to seeing all!

If you have any questions, or would like to volunteer. Please contact Brian Mullarney kc1bdf@aol.com



In honor of the 100th anniversary of the National Park Service, the ARRL has teamed up with NPS to sponsor "National Parks on the Air". (NPOTA)

During 2016 "Hams" will be encouraged to go out to the parks and operate.

Who will be the first to put the "Springfield Armory
National Historic Site"
on the air!

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: 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

117.000)1 2127.0 11110111111

Fridays: 1200: BB's (Brown Baggers Luncheon)

Munich House 13 Center Street Chicopee, MA 01013

Club meetings & VE sessions

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, <u>150 Brookdale Dr. Springfield, Mass</u>. (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

Third Monday of the month 7:00 PM, Franklin County Amateur Radio Club meeting, Greenfield High School (no meetings held in July or August) http://www.fcarc.org/

4th Monday of February, May, August, November 7:00 PM, FCARC VE Exams, Unitarian Church, Main Street, Northfield http://www.fcarc.org/

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

President, Jeff Bail NT1K nt1k@nt1k.com

Vice-President, Harold Woering N1FTP n1ftp@yahoo.com

Treasurer, Juergen Malner NV1Q nv1q@arrl.net

Secretary, Dave Fant WM1B wm1b@arrl.net

At Large, Eric LaCombe W1MOR w1mor@comcast.net

Newsletter, Gary Fields WA1MOW wa1mow@arrl.net

Programs, Larry Krainson W1AST wb1dby@comcast.net

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Technical, Bob Meneguzzo K1YO k1yo@comcast.net

Skywarn Liaison, Eric Tuller N1QKO et-n1qko@juno.com

VE Session Liaison, Dave Cote W1FAB w1fab@arrl.net



DOTS & DASHES:

Things I can't think where to put, but are interesting.

ARRL ANNOUNCES THAT CONTESTING WILL BE ALLOWED ON 146.520

ARRL Programs and Services Committee announced that starting on January 1st, 2016 simplex contesting will be allowed on the 2 Meter National Calling Frequency of 146.520. For more information, check out this page.

SHARE THE KNOWLEDGE

As we talked about last month. We are starting to offer "Share the Knowledge" sessions. This is where our members can share their knowledge of a specific topic as related to Amateur Radio. We are happy to announce that we have enough people who are interested in our first session, DXLabs.

The topic will be setting up and using the DX Labs logging and rig control programs. If you're like me, I have always used a paper log, or a simple xcel spread sheet, this is a chance to learn how to set up and use this popular logging program.

We are looking to schedule this session the 1st couple of weekends in December.

If you are interested, please RSVP to: walmow@arrl.net

Some of the future sessions we hope to offer are: An Introduction to Digital Modes, Basic Antenna Design, and Basic Tower Installation Tips. If you have suggestions, or would like to volunteer to "share your knowledge", for future session, please let us know.

SUPPORT THE ARRL ON AMAZON

It's that time of year, when we all are thinking about buying Christmas presents. A lot of us will being purchasing on line. If your like me, a lot will be done on <u>Amazon.com</u>. Did you know that you can help to support the ARRL by purchasing on Amazon? You can, just by following this <u>link</u>.

INTERESTING HAM RADIO WEB SITES:

The Yellow Box of Power is a very yellow Pelican box (size 1550) loaded up with 36 amp-hours of 12-volt battery capacity that can be charged by 120Vac household power or through solar panels.

The Yellow Box of Power

AREA SWAPFESTS:

Dec 5	Vintage Radio Museum Swap Meet	www.vrcmct.org	Windsor, Ct
Feb 6	Connecticut Valley FM SwapFest	www.cvfma.org/	Springfield, Vt
Mar 5	MTARA HamFest	www.mtara.org	Chicopee, Ma
Mar 6	NEARC Swapmeet	www.nearc.net/swapmeetinfo.htm	Westford, Ma
Mar 12	ECARA HamFest	www.ecara.net/	Dayville, Ct
Apr 29/30	NEAR Fest XIX	www.near-fest.org	Deerfield, NH

CONTESTING:

NOVEMBER'S CONTESTS:

Nov 3	Adventure Radio Society Spartan Sprint	www.arsqrp.blogspot.com	CW
7	ARRL CW Sweepstakes	www.arrl.org/sweepstakes	CW
	SKCC Weekend Sprintathon	www.skccgroup.com	CW
14	10-10 International Fall Contest	www.ten-ten.org	Dig.
	Kentucky QSO Party	www.wkdxa.com/mainsite	CW, Ph, Dig
21	ARRL SSB Sweepstakes	www.arrl.org/sweepstakes	Ph
	NA Collegiate ARC Championship	www.collegiatechampionship.org	Ph.
28	ARRL EME Contest	www.arrl.org/eme-contest	CW, Ph, Dig
	CQ Worldwide CW DX Contest	www.cqww.com/rules.htm	CW

Hands-Only_{TM}
CPR
CPR
CPR
CPR
Learn more at handsonlycpr.org

American Heart
Association
Learn and Live

FOR SALE:

If you have a piece of Ham Radio equipment to sell, send photo and details by the 20th of the month, to wal mow@arrl.net.. All submissions will be screened for appropriateness, and content. The decision to publish is at the discretion of the ZB Editor



TS-120, SP-120, VFO-120, PS-30, AT-120, MC-50, (2) MC35S all is good condition TS-120 works great on 80,40, and 20. On 10 & 15 its like its in AM mode with a 100watt carrier. Don't know what's up with that. Not enough know-how at this end. \$320.00 for the entire line. Nothing will be sold separately.



TrippLite 25A regulated Power Supply.
Works great. \$75.00



LDG-817 antenna tuner for FT-817 and other QRP types. Comes with manual at CAT cable. \$75.00

To purchase any of these items please email Harold Woering: n1ftp@arrl.net



GHD 307WS paddles. Chrome with red finger grips mounted on a marble base. Beautiful to look at and operate. Price: \$100 (New \$229)



Vibroplex Code Warrior with chrome base, Chrome movements, clear paddle grips, perfect for portable operation as it's small and easily transported. Price: \$95 (new \$149)(great for the new cw op or experienced user)



Vibroplex Code Warrior with black base, brass movements, clear paddle grips, perfect for portable operation as it's small and easily transported. Price:\$65 (new \$119) Great for the new cw op or experienced user)

For Sale by Larry, W1AST – wb1dby@gmail.com, (413) 348-3289 (9 am to 9 pm)

HCRA MEMBER'S PROFILE

As many of you know Frandy Johnson N1FJ is very active in SOTA. (Summits on the Air) Frandy has reached one of the "pinnacles" of SOTA. He is officially a "Mountain Goat" This is quite an accomplishment. For more information on <u>SOTA</u>, or how the awards work, visit the <u>awards page</u>

1) Name: Frandy Johnson

2) Town: Northampton

3) Callsign: N1FJ

4) Previous Callsigns: WN0KFH, WB1DZR

5) License Class: Extra

6) Main station equipment: Elecraft K3 & SteppIR; KX3 & dipole on

summits

7) Favorite Band(s): 20 & 40 meters

8) Favorite Mode(s): CW

9) Year you were first licensed and license class: 1952 Novice

10) How did you become interested in amateur radio? My dad was always interested in ham radio but never got licensed; he encouraged me and introduced me to hams in Crete, NE.

11) What are some of your favorite aspects of the hobby? Summits on the Air, DXing, building stuff.

12) What are your most memorable experiences in the hobby? Passing 20 wpm code test at FCC in Boston and going from nothing to Extra in one day; and earning Mountain Goat status in Summits on the Air.

13) If different from the above question, what was your most memorable contact on the radio? There are many, but maybe getting 599 report (and QSL card) from Alaska with my HW-8 at 2 watts was an early one.

14) What do you feel ham radio operators must do to help ensure the future of the hobby? Stay active on the air; help others to get licensed and to set up a station; upgrade; be a VE; get on HF; learn CW; have fun!

THE AMATEUR RADIO PARITY ACT OF 2015:

The ARRL has announced that currently they have 111 co-sponsors for US House Bill HR-1301. There is now 2 members of Congress from Massachusetts, District #2 James McGovern (D), and District #5 Katherine Clark (D), District #1 (Where most of the HCRA resides.) Richard Neil has yet to sign on. It is time for us to step up and get involved. You can find more information on getting involved here.

Senate Bill S-1685 currently has only 2 co-sponsors: Sen Roger Wicker of Mississippi, and Sen Richard Blumenthal of Connecticut.





Separating Fact From Fiction

Homeowners Associations across the country have been mobilizing against both bills. They have been using scare tactics to get their members to write opposing letters to members of Congress.

To separate fact from fiction, the ARRL produced a video. <u>Click here to watch</u>. (Look for a familiar face at 4:55)

NORTH AMERICAN EMERGENCY HF NETS

When Emergencies happen hear it here!

75m Band:	07235.0 LSB West Virginia
03710.0 LSB Puerto Rico	07235.0 LSB Louisiana Emergency
03808.0 LSB Caribbean Wx (1030)	07240.0 LSB American Red Cross US Gulf Coast Disaster
03815.0 LSB Antigua/Antilles Emergency and Weather	07240.0 LSB Texas Emergency
03815.0 LSB Inter-island (continuous watch)	07240.0 LSB Virginia Emergency, Bravo (health & welfare) (altn)
03818.0 LSB Antigua/Antilles	07242.0 LSB Southern Florida ARES Emergency (altn)
03845.0 LSB Gulf Coast West Hurricane	07243.0 LSB Alabama Emergency
03862.5 LSB Mississippi Section Traffic	07243.0 LSB South Carolina Emergency
03865.0 LSB West Virginia Emergency	07245.0 LSB Southern Louisiana 07245.0 LSB New York State RACES
03873.0 LSB Central Gulf Coast Hurricane 03873.0 LSB Louisiana ARES Emergency (night)	07247.5 LSB Northern Florida ARES Emergency (altn)
03873.0 LSB Texas ARES Emergency (night)	07244.3 LSB Texas RACES 07248.0 LSB Texas RACES
03873.0 LSB Mississippi ARES Emergency	07250.0 LSB Belize
03905.0 LSB Pacific ARES (Hawaii)	07250.0 LSB Texas Emergency
03905.0 LSB Delaware Emergency	07254.0 LSB Northern Florida Emergency
03907.0 LSB Carolina Coast Emergency	07260.0 LSB Gulf Coast West Hurricane
03910.0 LSB Mississippi ARES	07260.0 LSB Virginia Emergency, Alpha (ARES/RACES) (altn)
03910.0 LSB Louisiana Traffic	07264.0 LSB Gulf Coast (health & welfare)
03910.0 LSB Virginia Emergency, Alpha (ARES/RACES)	07265.0 LSB Salvation Army Team Emergency Radio (SATERN)
03913.0 LSB New York State Emergency	07268.0 LSB Bermuda
03915.0 LSB South Carolina SSB NTS	07268.0 LSB Waterway
03915.0 LSB Massachusetts/Rhode Island Emergency	07268.0 LSB Hurricane Watch (Amateur-to-NHC) WX4NHC
03917.0 LSB Eastern Pennsylvania Emergency	07273.0 LSB Texas ARES (altn)
03920.0 LSB Maryland Emergency	07275.0 LSB Georgia ARES
03923.0 LSB Mississippi ARES	07280.0 LSB NTS Region 5
03923.0 LSB North Carolina ARES Emergency (Tar Heel)	07280.0 LSB Louisiana Emergency (altn)
03925.0 LSB Central Gulf Coast Hurricane	07283.0 LSB Gulf Coast (outgoing only)
03925.0 LSB New York State Emergency	07285.0 LSB Louisiana ARES Emergency (day)
03925.0 LSB Louisiana Emergency (altn)	07285.0 LSB Mississippi ARES Emergency
03927.0 LSB North Carolina ARES (health & welfare)	07285.0 LSB Texas ARES Emergency (day)
03925.0 LSB Southwest Traffic (altn)	07290.0 LSB Central Gulf Coast Hurricane
03935.0 LSB Belize	07290.0 LSB Gulf Coast Wx
03935.0 LSB Central Gulf Coast Hurricane	07290.0 LSB Texas ARES (health & welfare)
03935.0 LSB Louisiana ARES (health & welfare) 03935.0 LSB Texas ARES (health & welfare)	07290.0 LSB Louisiana ARES (health & welfare) (day) 07290.0 LSB Texas ARES (health & welfare)
03935.0 LSB Mississippi ARES (health & welfare)	07290.0 LSB Mississippi ARES (health & welfare)
03935.0 LSB Alabama Emergency	07290.0 LSB Hawaii Emergency
03937.0 LSB Western Massachusetts ARES	07290.0 LSB Traffic
03940.0 LSB Southern Florida Emergency	0/2/0.0 20D Timile
03947.0 LSB Virginia Emergency, Bravo (health & welfare)	20m Band:
03950.0 LSB Hurricane Watch (Amateur-to-NHC) WX4NHC	14185.0 USB Caribbean Emergency
03950.0 LSB Northern Florida Emergency	14200.0 USB (Please advise)
03955.0 LSB South Texas Emergency	14215.0 USB Pacific Inter-island
03960.0 LSB Northeast Coast Hurricane	14222.0 USB Health & Welfare
03965.0 LSB Alabama Emergency (altn)	14240.0 USB DX "PHO" Family NET
03965.0 LSB Connecticut Emergency	14245.0 USB Health & Welfare
03967.0 LSB Gulf Coast (outgoing traffic)	14265.0 USB Salvation Army Team Emergency Radio (SATERN)
03970.0 LSB New Jersey ARES	14268.0 USB Amateur Radio Readiness Group
03975.0 LSB Georgia ARES	14275.0 USB Bermuda
03975.0 LSB Texas RACES	14275.0 USB International Amateur Radio
03980.0 LSB Southeast Virginia ARES	14283.0 USB Caribus (health & welfare)
03987.5 LSB Mexican National	14292.0 USB Alaska Pacific NET (16:00 GMT)
03990.5 LSB New Jersey RACES	14300.0 USB Intercontinental Traffic 14300.0 USB Maritime Mobile Service
03993.0 LSB New York State RACES	14303.0 USB International Assistance & Traffic
03993.5 LSB Gulf Coast (health & welfare)	14313.0 USB Intercontinental Traffic (altn)
03993.5 LSB South Carolina ARES/RACES Emergency	14313.0 USB Maritime Mobile Service (altn)
03995.0 LSB Gulf Coast Wx	14316.0 USB Health & Welfare
03995.0 LSB Western New York State Coordination	14320.0 USB Health & Welfare
10m Dand.	14325.0 USB Hurricane Watch (Amateur-to-NHC) WX4NHC
40m Band:	14340.0 USB Louisiana (1900)
07070.0 LSB Manana (Baja California) 07090.0 LSB Central America Emergency	14340.0 USB Manana (1900)
07145.0 LSB Bermuda	14340.0 USB California-Hawaii
07165.0 LSB Antigua/Antilles Emergency and Weather	
07165.0 LSB Inter-island 40-meter (continuous watch)	15m Band:

07225.0 LSB Central Gulf Coast Hurricane

07230.0 LSB New York State Emergency

07230.0 LSB Southwest Traffic

07232.0 LSB North Carolina ARES Emergency (Tar Heel) (altn)

07235.0 LSB Louisiana Emergency

07235.0 LSB Baja California

07235.0 LSB Central Gulf Coast Hurricane

21310.0 USB Health & Welfare (Spanish)

21390.0 USB Inter-Americas (health & welfare)

21400.0 USB Transatlantic Maritime

10m Band: 28410.0 USB New Jersey ARES

NHC - National Hurricane Center WX4NHC



Here is your exciting copy of Zero Beat! Get your Holiday Party Tickets NOW!

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