



# MARA News



February, 2017  
Volume 56 Issue 02

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## **Membership \$\$\$ are now Due!**

### **Next meeting February 21, 2017 at the Bridgewater Public Library**

Guest speaker will be Mark Vess KC1ACF he has a demo of a spark transmitter

March 21, 2017 no speaker at this time

April is our Holiday get together anyone have a location they think would be appropriate

### **Presidents notes from KC1CFO Denise Sisson**

MARA Facebook Page: Our Massasoit Amateur Radio Association Facebook Page with Club Events, Meeting photos, etc. is occasionally updated so that it can be another resource for us in which to spark interest in our club, Amateur Radio and keep members informed of what we are doing outside of our club Meetings and in our Community. If you go to the "About" Tab on our page you can find our <http://www.w1mv.org/> Web page for our Present and Past Newsletters and other club information. Please send Rick - [KB1TEE@gmail.com](mailto:KB1TEE@gmail.com) and Denise-KC1CFO [Denigs1@aol.com](mailto:Denigs1@aol.com) any articles or photos you would like to see in, or on our MARA Newsletter, W1MV - MARA Website and / or Facebook Page. Jeff - N1ZZN has created a link to. Twitter or help get the word out even more!

Next meeting is February 21, 2017 at the Bridgewater Public Library

the speaker for this meeting will be Mark Vess KC1ACF.

We will need to find another place for our potluck in April as Rick will not be here to help get the fire station.

We are planning on being at the Soule Homestead in Middleboro, for the Harvest weekend Sept, 16th from 9 to 5. we will be setting up to advertise for the MARA club and work a couple radios. Volunteers are needed as I will help with all aspects of this venture.

Looking forward to seeing everyone at the meeting.

73 Denise - KC1CFO  
President - Massasoit Amateur Radio Association

## SECRETARYS NOTES – MARA MEETING 01/17/17 – Larry Kenney, K1LJK

## SECRETARYS NOTES – MARA MEETING 01/17/17 – Larry Kenney, W1VP

**OPEN:** President **Denise Sisson** opened the meeting at 6:37 pm, 01/17/17.

**ATTENDANCE:** 10 members and guests were present including 4 elected officers

**KC1CFO Denise Sisson (Pres)**  
**Jeff N1ZZN (VP)**  
**N1IQI Loren Pimentel**  
**AG1B Richard Metcalf**

**N1XTB Phil McNamara (Treas)**  
**N1RTS Bob Sisson**  
**WA1BEE Allen Hiltz**

**W1VP Larry Kenney (Sec)**  
**N1FDX Jay Zappulla**  
**N1EZH Barry Kennedy**

### MEETING MINUTES :

Motion to accept the November 2016 MARA Secretary's report as published in the November 2016 newsletter made by **N1FDX Jay Zappulla** with a second by **Barry N1EZH**. Motion passed vote by attending club members.

### TREASURER'S REPORT:

Club Treasurer **Phil N1XTB** presented the November and December 2016 treasurers reports. Motion to accept as read made by **Barry N1EZH** with a second by **Richard AG1B**. Motion passed vote by attending club members.

### New Member Application:

A new member application in good standing was presented by **Denise KC1CFO** for **Tom WA1TOM**. It was noted Tom also recently joined the Whitman Amateur Radio Club and has volunteered to operate on the USS Massachusetts with **Rick KB1TEE** during the Museum Ships on the Air Weekend this coming spring. Motion to accept this new member application made by **Barry N1EZN** with a second by **Richard AG1B**. Motion passed vote by attending club members. Welcome to the club **Tom WA1TOM!!**

### Repeater Report::

- **Jeff N1ZZN** reports the repeaters, overall have been working well. Jeff commented he's been trying to get the auto-patch working with the new IP phone. For some reason the DTMF tones are not being properly recognized/processed by the controller. Jeff further mentioned it might be possible to use the Raspberry Pi computer through a serial connection to the controller and its web interface to mitigate the issue (but would be an experimental process). The only hardware needed would be a serial/usb adapter. If Jeff purchases this, he will advise the club and provide a receipt for reimbursement. **Phil N1XTB** noted the microwave internet link held up well in the recent snow storm.

### Old Business:

- **Phil N1XTB** mentioned the previous EOC drills at Bridgewater and Carver went well and thanked all who participated. Phil does not have the 2017 training dates yet but will advise as soon it's available. **Larry W1VP** asked if the drills are ever held on the weekend so more club members could participate? **Phil N1XTB** commented these drills are held during business work-week hours as they primarily involve non-volunteer government employees, some from out of state to monitor and rate the drill (currently we have an A+ rating btw)

### New Business::

- A question was asked if the **USS Massachusetts** will be part of the June 2017 **Museum Ships On the Air Weekend** being run by **Rick KB1TEE** . (this was pending a sufficient number of volunteers for the event had signing up with Rick) Rick did not attend this meeting so this question will forward to the February meeting for Rick an answer.  
**From Rick KB1TEE the USS Massachusetts will be on the air for Museum Ships Weekend (See below)**
- **Denise KC1CFO** informed everyone of an invitation to the MARA club to setup a table featuring amateur radio communications at the Harvest Fest on the Soule Homestead Education Center (100 acre farm, family 4H activities, etc) in Middleborough taking place Saturday & Sunday September 16<sup>th</sup>-17<sup>th</sup>. A short discussion took place regarding possible operations /station setup and locations on the property. It seems Saturday the 16<sup>th</sup> is the busy day with the most people and would be worthwhile for the club to attend. A suggested setup would be in their barn with a 2 Meter and HF Rig operating. Denise will confirm if electrically will be provided in the barn along with tables for our radio setups.
- **Barry N1EZH** mentioned he has a scanner from **Bob N1EDM** which he intends to sell along with his equipment at the upcoming Whitman clubs HamFest on Saturday. Jan 21<sup>st</sup> at the K/C Hall on Rt. 18 in Whitman. A general discussion regarding the HamFest took place.
- A general discussion took place on the clubs 'Spring-Fling' pot luck dinner/meeting. A possible date could be the 3<sup>rd</sup> Tuesday in April (18<sup>th</sup>) at the North Middleborough Fire Station – if **Rick KB1TEE** agrees and can arrange use of the stations facilities. The club will ask Rick at the February club meeting.  
**From Rick KB1TEE I am not available in April another location will have to be chosen**

CLOSE: A motion to adjourn the meeting made by **Barry N1EZH** with a second by **Rob N1RTS**. Motion passed by attending club members. **Denise KC1CFO** closed the meeting at 7:14 pm 01/17/17.

## **ARES Volunteers Support Evacuation, Shelters, in Wake of Oroville, California, Dam Crisis**

Sacramento Valley ARES Section Emergency Coordinator Greg Kruckewitt, KG6SJT, reported this week that Amateur Radio Emergency Service (ARES®) volunteers actively supported communication for the evacuation and sheltering of nearly 200,000 people living below the damaged Oroville Dam in rural California. The dam, on the Feather River east of Oroville, is the tallest in the US. Following a period of heavy rain, a section of the earthfill-embankment dam's spillway eroded, and authorities ordered residents living below the dam to evacuate, in case the dam should fail. Crews have been attempting to fill the eroded area with rock transported by helicopter. On February 14, authorities lifted the mandatory evacuation order, but said it could be re-imposed, if necessary. Residents returning home were advised to remain vigilant, should the situation again become critical, and some ARES activity continues.



"Things have really calmed down for now after the mandatory evacuation notice was reduced to an evacuation warning," Kruckewitt told ARRL on February 15. "At this time, only the Butte County ARES group is deployed to the Chico Fairgrounds to support the Red Cross -- possibly through the weekend." The Chico shelter will remain open until the next storms pass.

FEMA reported that the Kelly Ridge Powerhouse located below Oroville Dam is flooded and unsafe. "Any further flooding could result in the potential release of 500 gallons of turbine oil stored in tanks," the agency said on February 15.



**The California Department of Water Resources released 100,000 cubic feet per second from the damaged spillway to decrease the lake level by 50 feet to handle the next round of storms expected this week. [California DWR photo by Kelly M. Grow]**

Butte County ARES EC Dale Anderson, KK6EVX, was called out by the emergency operations center (EOC) on the evening of February 12. Six members of the Butte County ARES team have been deployed to the Red Cross evacuation shelter at the Chico fairgrounds. "ARC still wants us at the Chico Fairgrounds," Anderson told Kruckewitt on February 15. "We are down to one VHF unit and one operator on watch for now."

On February 12, Yuba/Sutter ARES EC Steve Sweetman, K6TAZ, opened and managed a net to provide information and gather reports of road closures or problems during the evacuation. The net received reports from radio amateurs who were evacuating. Traffic was reported to be very heavy, with a trip that would normally take 20 minutes extending into a "3-hour stop-and-go ordeal," Sweetman said. The net also gathered and disseminated information on where evacuees could get fuel. "This became a critical need, as the thousands of people evacuated their houses with 1-hour notice," Kruckewitt said. Sweetman provided shelter for 17 evacuees.

The Sacramento County EC Vince Cracchiolo, KI6NHP, was called into the Sacramento County Emergency Operations Center (EOC) on February 13 as the Red Cross opened a shelter at Cal Expo in Sacramento. Kruckewitt said the Sacramento Valley Section received offers of help from hams outside of California. As of February 15, FEMA was reporting 16 shelters open with 2,606 occupants.

"All ARES groups in the section are on standby, if help is needed. So far, the dam is holding, and repair work is under way at last report," Kruckewitt said.

According to the California Department of Water Resources ([DWR](#)), evacuation orders were issued to residents surrounding Lake Oroville late Sunday afternoon. "DWR has been monitoring conditions at Lake Oroville's main and auxiliary spillways around the clock for signs of erosion that could threaten the integrity of the emergency spillway and allow large, uncontrolled flows to the Feather River," the agency says on its website.

**California Department of Water Resources crews inspect and evaluate the erosion just below the Lake Oroville emergency spillway site after lake levels receded on February 13. [California DWR photo by Kelly M. Grow]**

## **FCC Invites Comments on ARRL Petition to Allocate New 5 MHz Band**

The FCC has invited comments on the ARRL's January 12 [Petition for Rule Making](#) to allocate a new, secondary contiguous band at 5 MHz to the Amateur Service. The League also asked the Commission to keep four of the current five 60-meter channels -- one would be within the new band -- as well as the current operating rules, including the 100 W PEP effective radiated power (ERP) limit. The federal government is the primary user of the 5 MHz spectrum. The FCC has designated the League's *Petition* as RM-11785 and put it on public notice. Comments are due Monday, March 20.

ARRL plans to file comments in support of its petition.



The proposed ARRL action would implement a portion of the *Final Acts* of World Radiocommunication Conference 2015 (WRC-15) that provided for a secondary international allocation of 5,351.5 to 5,366.5 kHz to the Amateur Service; that band includes 5,358.5 KHz, one of the existing 5 MHz channels in the US. The FCC has not yet acted to implement other portions of the WRC-15 *Final Acts*.

"Such implementation will allow radio amateurs engaged in emergency and disaster relief communications, and especially those between the United States and the Caribbean basin, to more reliably, more flexibly and more capably conduct those communications [and preparedness exercises], before the next hurricane season in

the summer of 2017," ARRL said in its petition.

The League said that 14 years of Amateur Radio experience using the five discrete 5-MHz channels have shown that hams can get along well with primary users at 5 MHz, while complying with the regulations established for their use. "Neither ARRL, nor, apparently, NTIA is aware of a single reported instance of interference to a federal user by a radio amateur operating at 5 MHz to date," ARRL said in its petition. NTIA -- the National Telecommunications and Information Administration, which regulates federal spectrum -- initially proposed the five channels for Amateur Radio use. In recent years, Amateur Radio has cooperated with federal users such as FEMA in conducting communication interoperability exercises.

The League said in its petition that while the Amateur Radio community is grateful to the FCC and NTIA for providing *some* access to the 5-MHz band, "the five channels are, simply stated, completely inadequate to accommodate the emergency preparedness needs of the Amateur Service in this HF frequency range," ARRL said. Access even to the tiny 15-kHz wide band adopted at WRC-15 would "radically improve the current, very limited capacity of the Amateur Service in the United States to address emergencies and disaster relief," ARRL said.



The WRC-15 *Final Acts* stipulated a power limit of 15 W effective isotropic radiated power (EIRP), which the League said "completely defeats the entire premise for the allocation in the first place." ARRL said the FCC should permit a power level of 100 W PEP ERP, assuming use of a 0 dBd gain antenna, in the contiguous 60-meter band. "To impose the power limit adopted at WRC-15 for the contiguous band would render the band unsuitable for emergency and public service communications," the League said.

The ITU *Radio Regulations* permit assignments at variance with the *International Table of Allocations*, provided a non-interference condition is attached.

## **Campus Ham Radio Clubs Encouraged to Boost Vitality through Innovation**

ARRL Public Relations Committee Chairman Scott Westerman, W9WSW, believes collegiate Amateur Radio clubs need to blow away the dust and cobwebs and modernize, in order to attract new members. And he urges college and university ham radio clubs to seek common technological ground with younger generations, in order to attract new Amateur Radio licensees.



**ARRL PR Committee Chair Scott Westerman, W9WSW, operates W1AW/0 at the 2016 ARRL Rocky Mountain Division Convention (HamCon).**

"We really need to be thinking in terms of...state-of-the-art technology, because that's what 'the kids' are looking for nowadays," Westerman told ARRL Marketing Manager Bob Inderbitzen, NQ1R, during a [brief interview](#) at the 2017 [Orlando HamCation](#) February 10-12, which hosted this year's ARRL Southeastern Division Convention. "The big challenge is how to get them away from their cell phones."

Westerman, a Michigan State University ([MSU](#)) alumnus and executive director of the MSU Alumni Association, recalled his own student days, when MSU Amateur Radio Club ([MSUARC](#)), W8SH, had a Collins S-Line for a station. Founded in 1919, the MSUARC is one of the oldest collegiate ham clubs in the US.

Collegiate clubs need to tap into students' interest in "parallel" technological realms, such as the Maker movement or those already experimenting with electronics, Westerman said. "At one time or another, we were all in that parallel universe, and there was something that brought us to ham radio," he



offered.

Westerman said the MSU club has come up with a program to get students on HF via a remote base. "So, you can get into our state-of-the-art shack, you can check out a control head, a Kenwood TS-480, take it back to your dorm, plug it into the Wi-Fi network, and work the world!"

While access to opportunities for getting on the air is important, Westerman said, the availability of Amateur Radio mentors -- what he called "our seasoned generation" of radio amateurs -- is also vital. "We're trying to encourage them to reach out and adopt somebody, and to do the same for them that somebody did for us."

For Westerman, that person was his uncle, who took him into his ham shack and got him fascinated with the world of Amateur Radio. "Why can't we be one of those people for some kid in college?" he suggested. "That's the challenge."



**This group of college students, alumni, faculty, and friends gathered for the Collegiate Amateur Radio Initiative Forum at Orlando HamCation, moderated by Andy Milluzzi, KK4LWR (far left, kneeling), of the Gator Amateur Radio Club at the University of Florida, Gainesville, W4DFU. [Bob Inderbitzen, NQ1R, photo]**

The ARRL College Amateur Radio Initiative ([CARI](#)) enjoyed attention throughout HamCation, Inderbitzen recounted. ARRL CEO Tom Gallagher, NY2RF, wearing a "Penn" sweatshirt for his University of Pennsylvania alma mater, welcomed attendees to a Collegiate Amateur Radio Initiative Forum, moderated by Andy Milluzzi, KK4LWR. A graduate student in electrical engineering, Milluzzi highlighted the value of Amateur Radio as a way to meet other people.

"We keep our alumni close," Milluzzi said, explaining how college ham radio clubs help students develop professional networks in their field of study. Quarter Century Wireless Association ([QCWA](#)) Director Ken Simpson, W8EK, shared information about applying for QCWA scholarships administered by

the Foundation for Amateur Radio ([FAR](#)). Sterling Coffey, N0SSC, [posted](#) the forum on YouTube. --Thanks to Bob Inderbitzen, NQ1R



**Field Day 2017 Packet is Now Available:** The Field Day 2017 packet now is available from the ARRL website. Field Day 2017 is June 24-25 -- always the fourth full weekend in June. There have been no significant rule changes from 2016. The Field Day packet contains everything you or your club will need to succeed in June, including explanations, FAQs, articles from experts, and even a log page template, if you log on paper for FD. For more information on Field Day, [contact](#) the ARRL Contest Branch.

## >ARRL Seeks Opinions on Possible New Entry-Level License<

An Entry-Level License Committee was established by the ARRL Board of Directors and appointed in September 2016. As part of its ongoing work, the committee is gathering member input and will make recommendations to the Board for possible rules changes to submit to the FCC.

The result could mean changes to the Technician license, but it could also be an additional, but simpler, license with privileges that would give a newcomer a taste of most facets of ham radio, from HF to VHF and UHF.

The committee has created an [online member survey](#). Please complete and submit the survey no later than April 7, 2017. Survey results will be published.

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## **EASTERN MASSACHUSETTS SECTION NEWS – January 2017**

EASTERN MASSACHUSETTS SECTION NEWS – February 2017

### ARRL EASTERN MASSACHUSETTS SECTION STAFF

Section Manager (SM) – Tom Walsh, K1TW  
Assistant Section Manager (ASM) – Phil Temples, K9HI  
Assistant Section Manager (ASM) – Andy Stewart, KB1OIQ  
Assistant Section Manager (ASM) – Rob Leiden, K1UI  
Affiliated Club Coordinator (ACC) – Andy Stewart, KB1OIQ  
Official Observer Coordinator (OOC) - Ed Parish, K1EP  
Public Information Coordinator (PIC) – Open  
Section Emergency Coordinator (SEC) – Marek Kozubal, KB1NCG  
Assistant SEC (ASEC) – Rob Macedo, KD1CY  
Assistant SEC (ASEC) – Mike Leger N1YLQ  
Section Traffic Manager (STM) – Marcia Forde, KW1U  
Assistant STM (ASTM) – Greg Bennett, KC1CIC  
Section Youth Coordinator (SYC) – Jeremy Breef-Pilz, KB1REQ  
State Government Liaison (SGL) – Hank Mc Carl, W4RIG  
Technical Coordinator (TC) – Dan Brown, W1DAN  
Sunday, April 23, 2017 – 09:00 AM  
Framingham ARA Spring Flea Market and Exams  
Keefe Technical School  
Framingham, MA <<http://w1fy.org/flea.aspx>>

May 5-6, 2017 NEAR-Fest Deerfield, NH <<http://www.near-fest.com/>>

June 2-4, 2017 Museum Ships on the Air (MSOTA) weekend 0000Z June 2 through 2359Z June 4 Find further information at <<http://ema.arrl.org/node/2186>>

ARRL Field Day June 24-25, 2017 Don't forget to begin your Field Day planning early. Now is a good time to start things in motion and while you are doing so, please keep Bill, N1VUX, aware of your plans so he can add them to our web site: <<http://fd.ema.arrl.org/>>.

## **WA1NPO Whitman**

The Whitman ARC (WARC) reports a very successful Winter Fest 2017 Flea Market and VE session. Congratulations to all WARC members involved. Information from Chris, N1CFB.

## **W1BSA event April 22 2017 100-1500**

The annual W1BSA event will take place April 22, 2017. I hope you will make it out to the USS Massachusetts ward room to operate for such a great event. We will be setting up the antennas on Friday April 21<sup>st</sup> at 0900-1100. Last year we set up three dipoles and two vertical antenna's. We set up four radios on Saturday thank you to all who participated in the past years and hopefully we can have another great event.



Billy K1UFO, Fred KC1ACG, John N1UMJ, and Mike WA1MAD

## **NE1PL on the USS Massachusetts 2017**

We are planning to be on the USS Massachusetts June 2-4 for Museum Ships On The Air anyone interested in coming out and operating please contact Rick KB1TEE. My email address is [kb1tee@gmail.com](mailto:kb1tee@gmail.com) we are looking for a lot of people not just radio operators. We need people to help log contacts speak to guests and for other duties.

Please check out the website [www.ne1pl.org](http://www.ne1pl.org) for updates on operations. Anyone wishing to come out and join us please come on down and have some fun, enjoy great views, amateur radio, and tour the ship for free.



Wardroom USS Massachusetts



## NE1PL summer operations on the USS Massachusetts

We will be operating this summer on the ship again if you are interested please contact Rick KB1TEE



## New England Area Ham - Electronic Flea Market DATES 2016

18 Feb	Marlboro MA	AARC	\$5@9@MidSchool	\$20/T	Tim	KA1OS	508 919 6136	F+
5 Mar	Nashua NH	NEARC	RadioXLVIII	antique \$10@8@	Marriott		603 772 7516	F+
11 Mar	Chicopee MA	MtTomARA	@Castle	\$5@8:30 S@6:30	Brian	KC1BDF	860 478 6790	F+
31 Mar	Lewiston ME	AARC ME	Conv @Ramada	@8	Ivan	N10XA	207 784 0350	W
8 Ap	Newton MA	PHSNE	Photographica	Sat Only @AmLegion	@9A John		781 592 2553	+
8 Ap	Hampton NH	PCARC	@Masonic	\$5@8 \$10/T@7	Mark	K1RX	603 775 0220	F+
8 Apr	LaSalle PQ	MARC	@RC Legion	\$5@9 \$10/T@8:15	Jim	VE2VE	514-990-1965	R+
16 Apr	Cambridge MA		Flea at MIT		Mitch		617 253 3776	F+
			Third Sunday April thru October					
5-6 May	Deerfield NH	NEARFest	XXI @FG		Mike	K1TWF	978 250 1235	W+
13 May	E Greenbush NY	EGARA	@FireCo		Tom	KC2FCP	518 272 1494	A+
21 May	Cambridge MA		Flea at MIT		Mitch		617 253 3776	F+

## **Field Day 2017**

ARRL Field Day June 24-25, 2017 we need to decide if we are going to operate on our own or weather to join the Whitman club always a good time

## **Soule Homestead harvest fest 2017**

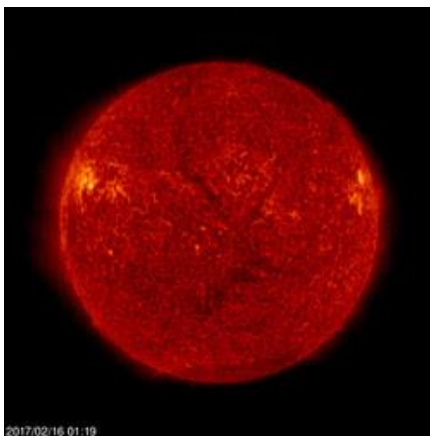
MARA club to setup a table featuring amateur radio communications at the Harvest Fest on the Soule Homestead Education Center (100 acre farm, family 4H activities, etc) in Middleborough taking place Saturday & Sunday September 16<sup>th</sup>-17<sup>th</sup>



Volunteers will be needed to set up and operate radios for this event contact Denise KC1CFO for more information

## **The K7RA Solar Update**

Tad Cook, K7RA, Seattle, reports: Over the February 9-15 reporting week, the average daily sunspot number declined from 21.3 to 17.6, while the average daily solar flux rose from 73.5 to 75.1. The average planetary A index dropped from 12.9 to 4.7, and the mid-latitude A index dipped from 9.9 to 2.9.



The predicted solar flux is 75 on February 16-17; 74 on February 18-19; 77, 80, and 83 on February 20-22; 80 on February 23-24; 78 on February 25-26; 76 on February 27-28; 75 on March 1-2; 73 on March 3-4; 72 on March 5-7; 73 and 74 on March 8-9; 75 on March 10-11; 78 on March 12-15; 80 on March 16-18; 82, 85, and 82 on March 19-21; 80 on March 22-23; 78 on March 24-25; 76 on March 26-27, and 75 on March 28-29.

Predicted planetary A index is 10, 12, 10, and 8 on February 16-19; 5 on February 20-21; 8 and 15 on February 22-23; 10 on February 24-25; 5, 25, 30, 25, and 20 on February 26-March 2; 15 on March 3-5; 8 on March 6; 5 on March 7-12; 8, 12, and 10 on March 13-15; 8 on March 16-17; 5 on March 18-20; 10 and 15 on March 21-22, and 10 on March 23-24.

Sunspot numbers for February 9 through 15 were 15, 18, 18, 18, 16, 15, and 23, with a mean of 17.6. The 10.7-centimeter flux was 75.4, 74, 75.7, 76.2, 74.8, 74.5, and 74.8, with a mean of 75.1. Estimated planetary A indices were 7, 8, 5, 3, 5, 2, and 3, with a mean of 4.7. Estimated mid-latitude A indices were 5, 5, 3, 2, 2, 1, and 2, with a mean of 2.9. [Send](#) me your reports or observations.

# **HAM RADIO LOCAL AREA NETS**

If you know of a Ham Radio Local Area Net that is not listed here, a typo on the information, or a Net listed which is no longer active, please contact Barry – N1EZH at: [N1EZH@comcast.net](mailto:N1EZH@comcast.net), so this list can be updated. All Frequencies are in MHz and 6 Meters (50.0 MHz and up.), are FM Mode unless otherwise noted. Thanks!

- Sunday:** **WA1NPO – WARPSN Net, 8:30 AM, Whitman ARC Rptr, 147.225 +, PL 67.0**  
6 Mtr AM Net, 5:00 PM, 50.400.0 AM, Scituate  
NE Cracker Barrel Net, **7:00 PM Daily** (Matt – W1AEM, NCO on Sun), 3.921.00 MHz LSB  
Pilgrim Amateur Wireless Assoc. 10 Meter Net, 7:00 PM, 28.375.0 USB  
Cape & Island Traffic Net, Every Night at 7:30 PM, Falmouth N1YHS Rptr, 147.375 + PL 110.9  
Genesis ARC CW Training Net, 7:00 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 82.5  
Eastern MA 2 Mtr Traffic Net, Every Night at 8:00 PM, Boston W1BOS Rptr, 145.230 – PL 88.5  
Norfolk County Radio Association Net, 8:00 PM, Walpole Rptr, 146.895 – PL 123.0
- Monday:** Cape and Islands Weather Net, 6:00 AM, Mon – Sat, Dennis K1PBO Rptr, 146.955 – PL 88.5  
Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0  
Norfolk County Emergency Preparedness Net, 8:00 PM, Walpole Rptr, 146.895 – PL 123.0  
Falmouth ARA Net, 7:30 PM, Falmouth K1RK Rptr, 146.655 – PL 88.5  
Boston ARC Rag Chew Net, 9:00 PM, Boston W1BOS Rptr, 145.230 – PL 88.5
- Tuesday:** Massasoit ARA Net, 8:00 PM, Bridgewater W1MV Rptr, 147.180 + PL 67.0 (**Except 3<sup>rd</sup> Tue!**)  
Genesis ARC 2 Mtr Rag-Chew Net, 7:30 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 82.5  
Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0  
Norwood Amateur Radio Club Net, 8:00 PM, Norwood Rptr, 147.210 + PL 100.0  
**220 MHz Day! Try to find a 220 Repeater near you and give a call out!**
- Wednesday:** Taunton ACG, KC1TAC, 2 Mtr Simplex Net, 8:30 PM, 145.770  
Whitman ARC 10 Meter Rag-Chew Net, 8:00 PM, 28.333.0 USB (**Except 1<sup>st</sup> Wed!**)  
Blackstone Valley ARC, 2 Mtr Simplex Net, 7:00 PM, 146.565  
Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0  
Cape and Islands ARES Net, 8:00 PM, Dennis K1PBO Rptr, 146.955 – PL 88.5  
Waltham Wranglers Swap Net. 9:00 PM, Waltham W1MHL Rptr, 146.64 – PL 136.5
- Thursday:** Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0  
Genesis ARC CW Training Net, 7:00 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 82.5  
10 Mtr General Class Rag-Chew Net, 8:00 PM, 29.470.0 FM  
Sturdy Mem. Hosp. ARC ARES Practice Net, 8:30 PM, K1SMH Rptr, 147.195 + PL 127.3  
**900 MHz Day! Try to find a 900 Repeater near you and give a call out!**
- Friday:** Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0
- Saturday:** South Shore Skywarn Net, 8:00 PM, Bridgewater W1MV Rptr, 147.180 + PL 67.0  
\*VKEMCOMM\* Echolink Conference node: 270177/IRLP 9508 (due to \*WX-TALK\* Echolink conference node: 7203/IRLP 9219 outage) Refer to: <http://www.voipwx.net/>

## **Massasoit Amateur Radio Association Executive board**

President Denise Sisson KC1CFO  
Vice President Jeff Lehmann N1ZZN  
Treasurer: Phil McNamara N1XTB  
Secretary: Larry Kenney K1LJK  
Call sign Trustee: Phil McNamara N1XTB

Repeater Trustees: Carl Aveni N1FY., Lou Harris N1UEC, Bob Mandeville N1EDM

**2M Repeater** 147.180+ (Tone 67.0)

**440 Repeater** 444.550+ (Tone 88.5)

**APRS Node** Node 144.39 W1MV-1

**Packet BBS** 145.09 N1XTB-4

**Packet Node Brockton** 145.09 W1JOE-7 (BROCK)

**MARA Web page** <http://www.w1mv.org/>

**Newsletter Editor** [kb1tee@gmail.com](mailto:kb1tee@gmail.com)

**WARC Web Page** <http://www.wa1npo.org>

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**Monthly meetings** are held the 3<sup>rd</sup> Tuesday of each month at 6:30PM at the Bridgewater Public Library in Bridgewater Center. Talk-in is on 147.180+

Our **Meetings-On-The-Air** are held all other Tuesday evenings at 8PM on 147.180+ and includes the Westlink News Report with the latest news about happenings in the world of Amateur Radio.

The **South Shore Skywarn Net** is held every Saturday evening at 8PM local time on 147.180+ and is open to all hams.

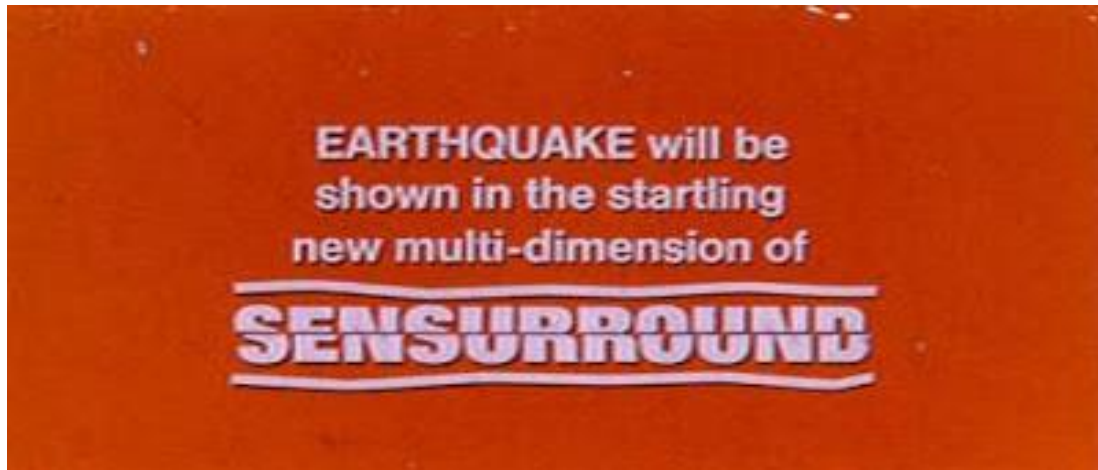
**VE Exams** are held the 2<sup>nd</sup> Saturday of every month, in Braintree contact Steve Cohen , W1OD via email w1od@arrl.net. Walk-ins are no longer permitted. We will be hosting VE exams at 8:45 at the Watson building. If you know of anyone planning to take an exam, please have them drop a note to Steve to confirm a reservation.

**Editor Rick Emord KB1TEE**





# Earthquake



*Earthquake* is a 1974 American ensemble disaster film directed and produced by Mark Robson.<sup>[2]</sup> The plot concerns the struggle for survival after a catastrophic earthquake destroys most of the city of Los Angeles, California.



Directed by Mark Robson and with a screenplay by George Fox and Mario Puzo, the film starred a large cast of well-known actors, including Charlton Heston, Ava Gardner, George Kennedy, Lorne Greene, Geneviève Bujold, Richard Roundtree, Marjoe Gortner, Barry Sullivan, Lloyd Nolan, Victoria Principal, and (under an alias) Walter Matthau. It is notable for the use of an innovative sound effect called Sensurround which created the sense of actually experiencing an earthquake in theatres.



Former University of Southern California footballer Stewart Graff (Heston) is jogging near the Hollywood Sign. Back home, his wife Remy Royce-Graff (Gardner), bitter because of their failing marriage, starts her morning by picking a fight with him. After he has showered and is preparing to leave, Stewart finds Remy unconscious with a bottle of pills nearby. Accustomed to her periodic suicide attempts, Stewart prepares to induce vomiting when a violent tremor shakes the bedroom. Remy bolts out of bed, revealing that she was faking.



Meanwhile, at the Mulholland Dam, two workers begin a routine inspection of the structure in response to the tremor. One of them drowns.



In downtown Hollywood, LAPD Sgt. Lou Slade (Kennedy) and his partner Emilio Chavez (Pedro Armendáriz, Jr.) are in pursuit of a suspect. They chase him out of their jurisdiction, finally crashing into the hedges at Zsa Zsa Gabor's house. After an L.A. County sheriff's deputy yells at Lou for ruining Gabor's hedges, Lou punches him out. He receives a temporary suspension.



The simulated collapse of Mulholland Dam – and the subsequent deluge – forms the film's climax.



On his way to work, Stewart visits Denise Marshall (Bujold), an actress who is the widow of one of his friends and co-workers. He drops off an autographed football for her son Corry (Tiger Williams) and helps Denise run her lines for a scene she is shooting later that day.



Once Stewart gets everyone safely from his office to a shopping center named Wilson Plaza, now converted into a triage center, he goes off in search of Denise and her son. Sam is taken to Dr. Jim Vance (Nolan), but he does not survive. Stewart ends up driving Lou around in search of survivors and they come across Jody and his regiment. Jody threatens to fire on them if they come any closer and Rosa emerges when she sees Lou, Screaming and begging for his help. Lou and Stewart pretend to comply with Jody by driving away down the street and stopping out of sight. Meanwhile Sgt. Jody's scared men then leave to look for a superior officer to have Jody relieved from Duty, face a court martial and detainment. But Lou sneaks back and gets the jump on Jody, who's enraged at Rosa for betraying and rejecting him and then attempts to rape her. Lou then shoots Jody dead in self-defense and rescues Rosa.

As they drive away, they hear that another aftershock has destroyed Wilson Plaza. After a quick survey of the building, Stewart realizes there are survivors trapped in an underground garage three stories below ground. He and Lou crawl into the sewer and through some rubble with a jackhammer, which they use to drill through to the garage. Stewart is overjoyed to find Denise, who is one of the people trapped inside. As he hugs her, he sees his wife standing just behind her. During the rescue, the Mulholland Dam finally gives way, sending water down the sewers. Lou and Denise make it up the ladder to safety, but as Remy climbs out, a man steps on the rung she's holding onto, injuring her hand in the process. She falls back into the water which is sweeping people away. Stewart looks up at Denise, but he cannot bring himself to abandon his wife to death. He sacrifices himself when he swims after her and both of them are swept away, along with others. Denise walks away from the manhole in shock and grief. Lou is holding Rosa when Dr. Vance walks up to him and says, "This used to be a helluva town, officer." Lou mumbles, "yeah."

