



November, 2017  
Volume 56 Issue 11

# MARANews



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

Our guest speaker Bill Burke NR1FD fire safety assisted by Rick Emord KB1TEE

### **NO DECEMBER MEETING HAPPY HOLIDAYS!**

Our next meeting is January 16, 2018 location Bridgewater Public Library

**MARA Secretary position is empty we need someone to step up and take the position this is our club please help out**

Club Secretary Duties take notes at the meeting answer correspondence and forward the material to the President and Newsletter editor

### **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 on which to spark interest for our club. Amateur radio and keep members informed of what we are doing outside of our club meeting 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 newsletter and other club information. Please send Rick – [kb1tee@gmail.com](mailto:kb1tee@gmail.com) and Denise KC1CFO [denigs1@aol.com](mailto:denigs1@aol.com) and articles or photos you would like to see in our MARA newsletter, W1MV-MARA Website and Facebook page. Jeff N1ZZN has created a link to twitter to help get the work out even more!

Hi All, it has been quite a summer here for us. So we have not been able to participate in whatever has been going on. At the last meeting I was able to attend I thought it would be good to ask what it is folks would like to see different in the group. What kind of activities would benefit the member, any presentations that would be of interest, etc... Please contact me at [denigs1@aol.com](mailto:denigs1@aol.com) if you have any suggestions.

Barry let us know a friend and ham operator lost his wife, our deepest condolences to Alan Smallhoover N1MXH and his family. Happy Thanksgiving to everyone, can't believe the Holidays are upon us.

Looking forward to seeing everyone on the 21<sup>st</sup>.

73 Denise – KC1CFO

President – Massasoit Amateur Radio Association

## **SECRETARYS NOTES – MARA MEETING 10/17/17 – Larry Kenney, W1VP**

**OPEN:** Treasurer **Phil N1XTB** opened the meeting at 6:38 pm, 10/17/17.

**ATTENDANCE:** 8 members were present including 2 elected officers

**W1VP Larry Kenney (Sec)**  
**N1IQI Loren Pimentel**  
**AG1B Richard Metcalf**

**N1XTB Phil McNamara (Treasurer)**  
**KA1YL Connie Frauciosi**  
**KB1TEE Richard Emord**

**WA1BEE Allen Hiltz**  
**N1FDX Jay Zapulla**

### **MEETING MINUTES :**

**Phil N1XTB** commented on a statement appearing in last months meeting minutes. Specifically the noted replacement cost of \$25 for backup batteries at the repeater site. This only reflected the battery for the repeater controller. In addition, a PWRGate and repeater backup battery replacement are also needed. Phil will advise on costs once all replacements have been found.

Motion to accept the September 2017 MARA Secretary's report as published in the September 2017 newsletter made by **Jay N1FDX** with a second by **Loren N1IQI** . Motion passed vote by attending club members.

### **TREASURER'S REPORT:**

Club Treasurer **Phil N1XTB** read the September 2017 treasurers report. Motion to accept as read made by **Rick KB1TEE** with a second by **Richard AB1B**. Motion passed vote by attending club members.

### **New Member update:**

New member from last month **Connie WB1DHT** updated her callsign to **KA1YL**. Congratulations Connie!

### **Repeater Report:**

**Phil N1XTB** provided a repeater report indicating he installed the 7Ah replacement battery in the controller. Phil is also investigating a replacement backup battery for the small digital APRS radio in operation at the site as well as installing a PWRgate unit and a large lead-acid battery for the repeater itself. Phil will advise on the final costs for these items. Phil also mentioned needing help moving/installing a heavy 19" rack mount DC power supply donated by **Paul KB1MTW**. **Rick KB1TEE** volunteered to help.

### **Old Business:**

- **Phil N1XTB** updated everyone on the purchasing of Mara club business/QSL cards (aka eyeball QSO cards). Phil put together a basic design and pulled logo/graphics together and sent to a printing company in E. Bridgewater he's used in the past. There was an issue with the company receiving email. Phil has re-sent the details and will be working with this company for a design that could include both the original full size MARA QSL card design (black background w/an antenna pattern shown in white) and the classic Mara Indian head logo. **Jay N1FDX** will check if he has any of the old original MARA club QSL cards. Phil would like to scan this for the best graphics image possible. A general discussion took place on the need for new full size QSL cards which led to a discussion our use of eQSL as stated on the club website. Phil will ask **Pete N1NVV** if he has any of the old QSL cards and also if he checks the eQSL system on behalf of **W1MV** from time to time.
- **Phil N1XTB** will also speak w/**Pete N1NVV** regarding:

- The uploading of new pictures to the website
- Updating of the online membership list (it appears out of date)
- Possible use of WordPress with a website redesign.

**Rick KB1TEE** reminded folks he has a contact who has built websites using WordPress.

### **New Business:**

- **Phil N1XTB** mentioned recently providing help to a new Rhode Island ARES SEC (section emergency coordinator) by establishing a website presence and database similar to our Massachusetts db.
- **Phil N1XTB** informed us he recently helped fix a VoIP telephone issue at the **Bridgewater EOC** (it's similar to the VoIP system we have at the clubs repeater site). Phil also met the new fire chief.
- **Phil N1XTB** also updated everyone on the recent training session at the Carver EOC. Club members **Loren N1IQI**, **Bob N1RTS**, **Bart KB1TED** and **Al W1SM** attended.
- **Rick KB1TEE** is looking for interest in doing a BBQSO again at his house in the spring/summer. Rick will provide the grill and folks will bring their own food and drinks. A general discussion took place on the subject. A Sunday vs. a Saturday was suggested. **Richard AG1B** asked about including members of the x-Taunton club. It was mentioned the Mara club call **W1MV** could be used this time.
- **Rick KB1TEE** provided dates/times for a number of events in the future:
  - **K1USN** in Braintree will be on the air this Veterans Day – Saturday November 11<sup>th</sup>.
  - **Rick KB1TEE** will be on the USS Wisconsin on December 9<sup>th</sup> from 9am-4pm, typically transmitting on 40 meters, using the **N4WIS** call.
  - **Rick KB1TEE** will be looking for volunteers to join him on the USS Massachusetts with the Boy Scouts on Saturday April 28<sup>th</sup> from 9am-4pm using the **W1BSA** call.
  - **Rick KB1TEE** reminded everyone that the 1<sup>st</sup> weekend in June will be Museum Ships On the Air event and he'll again be operating stations on the USS Massachusetts. Rick along with **Richard AG1B** and **Bill NR1FD** have run antenna coax down the central shaft and hopefully will be able to continue the runs into the ward room over the winter sometime.
  - **Rick KB1TEE** plans to operate on the USS Massachusetts several times over next summer. Anyone wanting to join Rick, please let him know.
  - **Rick KB1TEE** mentioned significant use of DMR in NH w/linked repeaters. A general discussion took place on the subject, including Rick mentioning his recent tour of a new EOC in Loudon NH.

**CLOSE:** A motion to adjourn the meeting made by **Rick KB1TEE** with a second by **Loren N1IQI**. Motion passed by attending club members. **Phil N1XTB** closed the meeting at 7:13 pm 10/17/17.

Following the meeting **Richard AG1B** gave a very interesting presentation on radio direction finding and his recent involvement in the international ARDF (Amateur Radio Direction Finding) competition event held in August in Ohio.

## CW Gets the Message Through in Wake of Hurricane Irma

Any CW operator worth his or her salt will tell you that CW is the mode that gets through when all others fall short of the mark. CW certainly did the job for Chet Hogue, N3BK, who handled dozens of messages for residents of Florida's Lower Keys in the days following Hurricane Irma in September.

"A message from a Big Pine Key man to his girlfriend, who evacuated with their young daughter and was waiting to hear how he weathered the storm, was one of about 80 sent out over the airwaves by ham radio enthusiast Chet Hogue in the days following Irma's destruction," reporter Katie Atkins wrote in *The Keynoter* in [describing](#) Hogue's activity.

"Things here are still incredibly a mess!" Hogue told ARRL this week.

The Summerland Key charter captain, known as "Captain Chester," weathered the storm in place. He noted that the primary frequencies handling traffic were quite busy, so he got on CW, which, he told Atkins, allowed him "to relay messages clearly." He operated from a station at his home as well as from his boat.

According to the news report, Hogue would transmit message traffic gathered from residents trying to get in touch with family and friends outside the area. He urged anyone interested in Amateur Radio to visit the ARRL website. "It's just neat, this system," he told Atkins. "With a piece of wire and a car battery, you can talk around the world."

Hogue told ARRL that he "escaped" to the Keys in 2010 after recovering from an injury suffered in a vehicle accident. "I haven't been active in some time, but have kept my 'bug-out bag' ready for just this situation," he said. "[This] was my first emergency, as it was for many who passed traffic for me."

Hogue's father -- also Chester -- is N3VA, and his dad and some of his friends got him interested in Amateur Radio. Hogue entered the military as a teenager and, he said, realized the vital importance of communication.

Hogue used a 100 W radio powered from deep-cycle marine batteries, a G5RV antenna on shore and a fiberglass vertical antenna on his charter boat. He kept a handwritten log on a piece of cardboard.

"This is a good reason for all of us to learn CW and use it on the bands, and become skilled at sending and receiving CW," remarked Whitey Doherty, K1VV, a CW stalwart who shared the news story with ARRL Headquarters. -- *Thanks to "Captain Chester" Hogue, N3BK, The Keynoter, and Whitey Doherty, K1VV*



**Chet Hogue, N3BK. [Photo courtesy of Chet Hogue, N3BK]**

## Tiny LF Signal Makes the Hop from Newfoundland to the UK

For Joe Craig, VO1NA, in Torbay, Newfoundland, things have been pretty exciting lately on VLF (very low frequency). He's among the early MF, LF, and VLF experimenters in North America -- active even before Canada allocated Amateur Radio bands in that part of the spectrum. He believes he accomplished a "first" for a Canadian radio amateur on October 22, when his *very* VLF, *very* QRP signal on 8.27 kHz (that would be the 36-kilometer band) was copied in the UK.

"After much effort on both sides of the pond, SWL Paul Nicholson in Todmorden finally copied a three-letter message," he told ARRL. "It's the lowest-frequency transatlantic message, made possible because of Paul's [EbNaut](#) coherent BPSK mode and DL4YHF's [Spectrum Lab](#) spectrum analyzer." Even more amazing: The power was 10  $\mu$ W ERP. Craig is permitted to run 10 mW by regulator ISED Canada (formerly Industry Canada). The transmission path was more than 3,500 kilometers (approximately 2,170 miles).

VLF signals have been copied across the Atlantic in the past. In March 2014, a very slow-speed (QRSS) CW signal on 29.499 kHz, transmitted by Bob Raide, W2ZM, a New York Experimental licensee, initially was detected in the UK by Nicholson. In June 2014, Dex McIntyre, W4DEX, in North Carolina, transmitted an *EbNaut* signal on 8.971 kHz, while running on the order of 150  $\mu$ W effective radiated power. Nicholson detected that signal too. McIntyre needed no FCC license to transmit on 8.971 kHz, because the Commission has not designated any [allocations](#) below 9 kHz, dubbed "the Dreamers' Band."

Craig's transmission from Newfoundland began at 2300 UTC on October 22 and ended 7 hours later. "Paul replied by e-mail the following day with the correct message," Craig said, "and there was much rejoicing across the pond and in the Marconi Radio Club of Newfoundland!"



**VO1NA's "Tower A." His VLF antenna is attached to the second guy station at this point. [Joe Craig, VO1NA, photo]**



**Now, this is a coil! The VLF loading coil at VO1NA.**

Craig said that Nicholson had detected a carrier from VO1NA this past spring, but it was not stable enough to send a message.

DL4YHF's *Spectrum Lab*, with a GPS module output signal used to calibrate the computer and help from DF6NM and DK7FC, worked much better, Craig said. "Paul measured the phase for a few days before the message was sent. With the new high-stability carrier, Paul got me on the first call."

The final stage of his VLF transmitter is what Craig described as "the very Canadian Traynor Group One/SC stage amplifier" from the 1970s. He says his is "the only known VLF transmitter in Newfoundland and Labrador." His antenna, by the way, is approximately 100 meters (approximately 328 feet) of #12 copper wire, about 12 meters high on average.

Craig's [blog](#) offers more information.



## **American Red Cross Hails "New Partnership" with ARRL Following Puerto Rico Deployment**

The American Red Cross (ARC) this week thanked ARRL and its "Force of 50" hurricane recovery volunteers who deployed to Puerto Rico earlier this month, and it suggested a new level of partnership now exists between the two organizations. ARC Senior Vice President, Disaster Cycle Services Harvey Johnson this week wrote ARRL President Rick Roderick, K5UR, and ARRL CEO Tom Gallagher, NY2RF, to express his organization's gratitude for "all your amazing volunteers for the unwavering commitment demonstrated during the response to this unprecedented disaster in Puerto Rico." Johnson said the team's actions "made a significant difference" in the lives of those affected.



**American Red Cross**

"This mission marked an exciting new path for our two organizations with it being the first time we deployed ARRL volunteers to a Red Cross relief operation," Johnson wrote. "I continue to hear incredible stories about how the ARRL volunteers supported individuals, communities, and partner organizations during their time in Puerto Rico." ARRL and the American Red Cross have a long-standing memorandum of understanding ([MOU](#)) to cooperate in emergencies and disasters.



**ARRL Emergency  
Preparedness Manager  
Mike Corey, K11U.**

"It was a complex cooperation in an austere environment, and the mission certainly had its challenges," Johnson continued. "While we have much to learn from this new experience and areas to improve upon, we remain committed to working with you, ARRL, and your cadre of talented volunteers."

Johnson singled out for special praise ARRL Emergency Response Manager Mike Corey, K11U, "for his leadership in planning and managing the mission."

"Mike was fast acting and thoughtful, constantly working to make the mission effective through transparency and collaboration," Johnson said. "We simply could not have achieved the outcomes without him."

Johnson said the ARC looks forward to working together with ARRL to "serve those impacted by disasters."

## **Upcoming ARRL Section, State, and Division Conventions**

- November 18-19 -- [Indiana State Convention](#), Fort Wayne, Indiana
- December 2 -- [Arkansas DX Association's 50th Anniversary Convention](#), North Little Rock, Arkansas
- December 8-9 -- [West Central Florida Section Convention](#), Plant City, Florida
- January 6 -- [New York City-Long Island Section Convention](#), Brookville, New York
- January 13 -- [Georgia ARES Convention](#), Forsyth, Georgia
- January 19-20 -- [North Texas Section Convention](#), Forest Hill, Texas
- January 20 -- [GARS TECHFEST Convention](#), Lawrenceville, Georgia
- January 21-27 -- [Quartzfest Convention](#), Quartzsite, Arizona
- January 26-27 -- [Delta Division Convention](#), Jackson, Mississippi

## The Personal Space Weather Station

Frissell said HamSCI would like to encourage development of the personal space weather station concept. "This is analogous to a personal weather station that people install at their homes to measure temperature, wind speed, rainfall, and humidity, and report this data to groups like the NWS, NOAA, and Weather Underground," Frissell said. "We want to create a similar package for space weather and have that data go to a single repository."

An ideal personal space weather station would likely include instruments able to detect things such as traveling ionospheric disturbances, radio blackouts, propagation changes, lightning, and magnetospheric activity, Frissell said. It would probably include, at a minimum, a wideband software-defined radio, a magnetometer, a timing source, and a computer -- all currently available, but not as an integrated package, he pointed out.

At the February workshop, HamSCI wants to better define the capabilities of a personal space weather station as well as how to implement the concept. "HamSCI will be teaming up with [TAPR](#) to do this," Frissell said. "Scientists will talk about what science topics the device should be able to measure, and TAPR will discuss how to actually design and implement the device."



**Nathaniel Frissell, W2NAF, in Kentucky for the total eclipse in August. [Photo courtesy of Nathaniel Frissell, W2NAF]**

Frissell said he hopes hams attending will come away more knowledgeable about ionospheric and space science, and scientists will gain a better understanding of Amateur Radio.

## EASTERN MASSACHUSETTS (EMA) SECTION NEWS

### New WMA Section Manager

Congratulation to Ray Lajoie, KB1LRL who assumes the role of Section Manager for Western Massachusetts effective January 1, 2018. I am looking forward to continuing our mutually supportive relationship with WMA, much as we enjoyed under Ed, W1KT who is stepping down. All our best wishes to both Ray and Ed.

### **Mother, Daughter Radio Amateurs Active from Nepal:**

Kalpana Kharel, 9N1MM, and her daughter Tejaswita (Tehu), 9N1DX, both are active radio amateurs from Nepal's capital of Kathmandu. Husband and father Satish is 9N1AA. Both women are reported operational on HF, mostly on RTTY and FT8. Kalpana Kharel is believed to be the first female Amateur Radio licensee from Nepal, and her daughter is the youngest ever to obtain a ham license there (an American, Jinny Beyer, 9N1RA, was active in the 1970s). Tehu Kharel, who attends Rato Bangala School in Patan, Nepal, said on her [QRZ.com profile](#) that she is working to improve her Morse code skills. "I was very keen to learn about ham radio since my childhood," she said there. "I always observed RTTY QSOS of my dad. So, I am more comfortable with digital modes." QSL cards for 9N1MM and 9N1DX are said to be in production. 9N1MM, now held by Kalpana Kharel, once was the famous call sign of Father Marshall Moran, the first radio amateur active in Nepal from the 1950s until the early 1990s.



## Richard Metcaalf G1B went to the Ohio foxhunt competitions

Our member Richard is into foxhunting he came to our October meeting and showed us the equipment needed to accomplish this task. He had maps antennas and lots of good advise to those wishing to get involved.



## Richard AG1B at the Ohio fox hunting competition

Along with Bob Cooley and Valdim Afonkin if you want to find out more go to

<http://homingin.com/nc17pix4.html>



2 Meter gear,



80 Meter gear,



80 Meter transmitters

These low-power foxing transmitters are inside plastic coin cases.



Fox Hunting crew Ohio congratulations Richard and thank you for the demonstration

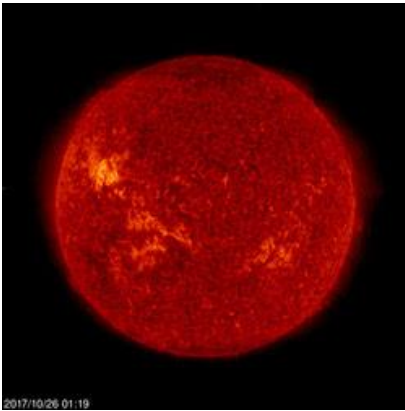


## The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Solar activity increased over the past couple of weeks, with average daily sunspot numbers at 13.4 for the October 19-25 reporting period, compared to 1.7 over the previous 7 days. The average daily solar flux increased from 70.5 to 76.7 over the same 2 weeks.

The reason for the radically different averages is that over the past week there were just 2 days with no sunspots, and the previous week had no sunspot activity on 6 of the 7 days.

The average daily planetary A index was 11.6, declining from 21.1 to 11.6, and the average daily mid-latitude A index decreased from 16.7 to 9.1.



The predicted solar flux for the near term is 79 and 78 on October 26-27; 77 on October 28-29; 76 on October 30-November 1; 77 on November 2; 85, 84, and 82 on November 3-5; 80 on November 6-17; 82 on November 18-19; 84 on November 20; 85 on November 21-30; 84 and 82 on December 1-2, and 80 on December 3-9.

Predicted planetary A index is 24, 16, 10, and 8 on October 26-29; 5 on October 30-31; 8 and 10 on November 1-2; 5 on November 3-6; 28, 30, 40, 28, 26, and 8 on November 7-12; 5 on November 13-14; 12, 10, 8, 6, and 5 on November 15-19; 18, 45, 40, 18, and 12 on November 20-24; 10, 8, 5, 8, and 10 on November 25-29; 5 on November 30-December 3; 28, 30, 40, 28, 26,

and 8 on December 4-9.

Sunspot numbers for October 19-25 were 0, 0, 11, 13, 23, 23, and 24, with a mean of 13.4. The 10.7-centimeter flux was 73.4, 75.7, 76.5, 77.3, 78, 77.5, and 78.8, with a mean of 76.7. Estimated planetary A indices were 12, 8, 10, 6, 6, 18, and 21, with a mean of 11.6. Estimated mid-latitude A indices were 9, 5, 13, 6, 3, 13, and 15, with a mean of 9.1.

[Send](#) me your reports and observations.

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## Just Ahead in Radiosport

- November 11-12 -- WAE DX Contest (RTTY)
- November 11-12 -- 10-10 International Fall Contest (Digital)
- November 11-12 -- JIDX Phone Contest
- November 11-12 -- OK/OM DX Contest (CW)
- November 11-12 -- SKCC Weekend Sprintathon (CW)
- November 11-12 -- Kentucky QSO Party (CW, phone, digital)
- November 11-13 -- CQ-WE Contest (CW, phone, digital)
- November 13 -- 4 States QRP Group Second Sunday Sprint (CW, phone)
- November 13 -- RSGB 80-Meter Autumn Series (Data)
- November 16 -- NAQCC CW Sprint

## New England Area Ham - Electronic Flea Market

2 Dec Windsor CT VR+C Mus 115 Pierson LN @8AM Indoor John 860 673 0518  
2018 Contact Source

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20 Jan Whitman MA WARC @KoC Rt18 \$5@9AM \$15/T Chris 781 523 5010 F+

3 Feb Springfield VT CVFMA @VFW @8 B/Free \$5/T@7 Dave K1ZS 603 446 7312

24 Feb S Burlington VT RAoNV @HI I89x14 \$9@8 \$15@6 Mitch W1SJ 802 879 6589 +

10 Mar Chicopee MA MtTomARA @Castle \$5@8:30 S@6:30 Brian KC1BDF 860 478 6790

18 Mar Southington CT SARA @HS \$5@8 \$20/T@6:15 John WA1JKR 860 621 8791 +

30,31 Mar Lewiston ME AARC ME Conv @Ramada @8 Ivan N1OXA 207 784 0350

7 Ap Hampton NH PCARC @Masonic \$5@8 \$10/T@7 Mark K1RX 603 231 8965

14 Ap Newton MA PHSNE Photographica Sat Only @AmLegion @9A John 781 592 2553

4-5 May Deerfield NH NEARfest XXIII @FG Mike K1TWF 978 250 1235 +

11 Aug St Albans VT STARC @VFW Arn N1ARN 802 309 0666 +

9 Sept Ballston Spa NY SCRACES @FG \$6@7 Jim KG2H 518 703-9558 +

## NE1PL 2018 schedule

The USNR club is looking for volunteers for the 2018 season

We will be on the USS Massachusetts April 28 0900-1600 as W1BSA our fourth year trying to educate the overnight youth (Mostly Scouts) into the world of amateur radio.

June 1-3 we will be on the USS Massachusetts as NE1PL operating for Museum Ships on the Air Weekend. We can sleep on the ship in Junior officers quarters anyone interested please contact Rick KB1TEE at [kb1tee@gmail.com](mailto:kb1tee@gmail.com)

September 22<sup>nd</sup> 0900-1500 operating for the Birthday of Big Mamie



# **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:**  
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>

**Qsl via** [www.eqsl.cc](http://www.eqsl.cc)

**Skywarn** [www.powersrvcs.org/w1gmf/skywarn.htm](http://www.powersrvcs.org/w1gmf/skywarn.htm)

**Mailing Address** P.O. Box 428 Bridgewater, MA 02324

**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.

## **Smoke and carbon monoxide alarm safety**

Working smoke and carbon monoxide alarms are essential fire safety tools to have in your home. They are the best way to prevent fire fatalities. Every home is required to have working smoke alarms and are also required to have carbon monoxide alarms. Learn what kind you need to have and where they should be placed in your homes. **ALL DETECTORS HAVE A LIFE SPAN CHECK YOUR MANUFACTURERS WEBSITE**



## Editor Rick Emord KB1TEE TV and Movie communication items



**SeaQuest** DSV (stylized as seaQuest DSV and also promoted as simply seaQuest) is an American science fiction television series created by Rockne S. O'Bannon. It originally aired on NBC between 1993 and 1996. In its final season, it was renamed *seaQuest 2032*. Set in "the near future"—originally the year 2018 in the first season—*seaQuest DSV* originally mixed high drama with realistic scientific fiction.<sup>[4]</sup> It originally starred film star Roy Scheider as Captain Nathan Bridger, designer and commander of the eponymous naval submarine *seaQuest* DSV 4600.



Jonathan Brandis also starred as Lucas Wolenczak, a teenaged computer genius placed aboard *seaQuest* by his father and Stephanie Beacham as Kristin Westphalen, the chief medical officer and head of the *seaQuest* science department. In the third season, Michael Ironside replaced Scheider as lead of the series and starred as Captain Oliver Hudson. Also present was a dolphin character called Darwin who, due to technological advances, was able to communicate with the crew. Steven Spielberg expressed interest in the project and served as one of the show's executive producers during the first two seasons.





Stacey Haiduk piloting the mini sub, Johnathan Brandis holding a dolphin communicator

|   UEO ATLANTIS CLASS<br>ADVANCED SUBMERGENCE VEHICLE<br>TECHNICAL COMPARISON - <i>SEAQUEST</i> DSV 4600<br>- <i>ATLANTIS</i> ASV 8100                                                                                                                    |                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TECHNICAL DETAILS                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                          |
|      | UEO ATLANTIS ASV 8100<br>UEO SEAQUEST DSV 4600 II                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | LENGTH:<br>307.3 meters (1007 feet) - <i>seaQuest</i><br>488.35 meters (1602.18 feet) - <i>Atlantis</i>                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | BEAM:<br>48 meters (157.4 feet) - <i>seaQuest</i><br>93 meters (305.1 feet) - <i>Atlantis</i><br>273.9 meters (898.77 feet) - <i>Atlantis</i> (Wings)                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | SUBMERGED DISPLACEMENT:<br>37,500 tonnes - <i>seaQuest</i><br>242,616 tonnes - <i>Atlantis</i>                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | COST:<br>12.5 Billion USD - <i>seaQuest</i><br>36.6 Billion USD - <i>Atlantis</i>                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                         | ARMAMENT AND EVA:<br><i>seaQuest</i> ...<br>2 Forward firing lasers<br>9 Torpedo tubes<br>16 Triton II Ballistic Missiles (total 100 megatons)<br>10 EVA Assets                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | <i>Atlantis</i> ...<br>6 Forward firing pulsed laser cannons<br>24 Rotating-system torpedo tubes (Stems)<br>12 Rotating-system torpedo tubes (Stems)<br>20 Triton IV Ballistic Missiles (total 160 megatons)<br>EMP Defense field generator<br>72 EVA Assets (2040) 84 EVA Assets (2041) |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                          |
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Production of the first season was marked by disputes between the producers, NBC and cast members, changes in the production staff, and even an earthquake. The second season contained changes in the cast as well as continued disputes between cast members and producers, while the third season introduced a new lead actor and title. While initially popular, the series began to decline in ratings throughout its run and was abruptly canceled in the middle of its third season. The series follows the adventures of the high-tech submarine *seaQuest* DSV 4600, a deep submergence vehicle operated by the United Earth Oceans Organization (UEO), a global coalition of up-world countries and undersea confederations, similar to the United Nations. The UEO was created following a major showdown of nations and confederations at the Livingston Trench in the North Atlantic Ocean that occurred circa 2017 as depicted in the pilot episode, "To Be Or Not to Be", and it remained a recurring element for the duration of the series. The *seaQuest* was designed by retired naval captain Nathan Bridger and built by NORPAC (a military organization mentioned in the pilot) and given as a loan to the UEO after its creation.



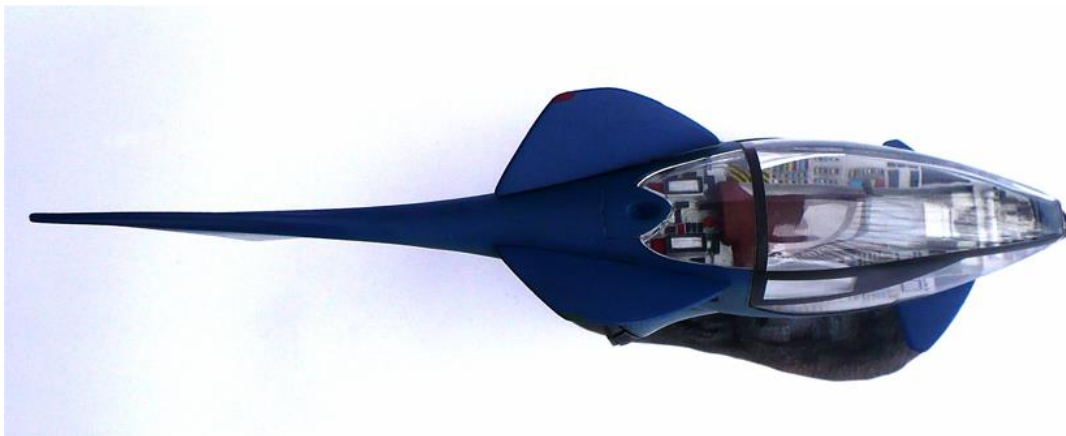
Season 2 crew

The storyline begins in the year 2018, after mankind has exhausted almost all natural resources, except for the ones on the ocean floor. Many new colonies have been established there and it's the mission of the *seaQuest* and its crew to protect them from hostile nonaligned nations and to aid in mediating disputes as well as engage in undersea research, much of which was still in the preliminary stages when the show began production in 1993. Bridger, though originally reluctant due to a promise he made with his wife after their son, Robert, was killed in a naval military action before her death, is convinced to return to the navy, under the auspices of the UEO, and assume command of the *seaQuest*. The first season's storylines primarily dealt with plausible oceanographic research, environmental issues, political machinations of the world and the interpersonal relationships of the crew.



Season 3 crew

By the end of season two, *seaQuest DSV* was again suffering, partly attributed to a perceived decrease in the quality of the writing as well as preemptions by NBC due to sports coverage.<sup>[14]</sup> The possibility of cancellation appeared likely but NBC kept the show in production after plans for a new series titled *Rolling Thunder* to replace *seaQuest DSV* were canceled. Producer Lee Goldberg claimed the new series was canceled because the premise was "awful."<sup>[15]</sup> The season finale, written as a possible series finale, involved the *seaQuest* and her crew being abducted by aliens and forced into a civil war on an alien world where the ship appeared to be destroyed and the crew presumed dead.



Sea Quest mini sub the Stinger