



# ZERO BEAT

Southeastern Massachusetts  
Amateur Radio Association, Inc.  
54 Donald Street  
South Dartmouth, MA 02748



Since 1932

Volume 44 Issue 12

SEMARA-W1AEC

December 2008

## 2009 Election Results



BACK ROW: DICK, K1AHA JOHN, WA1LSH LOU, W1CH  
FRONT ROW: DAVE, K1JGV BOB, K1KVV MIKE, KB1NB DAVE, W1DJG MARCEL, W1MLD

### GOT OUT THE VOTE!

The election as held at the end of the December 4, 2008 Business Meeting. Nominations were open until the time of the election.

Ballots were distributed to the 28 members pre-

sent. All slots were uncontested except for the office of Vice-president, which pitted **Dave Goldstein, W1DJG**, against **Bob Kelley, K1KVV**.

The tally of votes gave **Dave 13**, **Bob 14**, and there was one blank ballot. **Dave** gracefully accepted the loss and assumed the office of Director.

### 2009 ELECTION RESULTS

- President:** Louis D. Mester, **W1CH**
- Vice-President:** Robert B. Kelley, **K1KVV**
- Secretary:** Marcel L. Dumont, **W1MLD**
- Treasurer:** Michael J. McDonald, **KB1NB**
- Director:** David G. Dean, **K1JGV**  
David J. Goldstein, **W1DJG**  
Richard J. Halliwell, **K1AHA**
- Trustee (5 yr):** John Walsh. **WA1LSH** (2013)

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Official Newsletter of the SOUTHEASTERN MASSACHUSETTS AMATEUR RADIO ASSOCIATION, INC.

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### 2008 SEMARA OFFICERS

#### President

Louis Mester - W1CH

#### Vice President

Bob Kelley - K1KVV

#### Secretary

Tim Smith - N1TI

#### Treasurer

Mike McDonald - KB1NB

#### Board of Directors:

Gerry Bergeron - W1AFD

Dave Dean - K1JGV

Dave Goldstein - W1DJG

#### Trustees: (year term is up)

Larry Houbre, Jr. - AA1FS (2008)-Ch

Mike Miller - N1ITQ (2009)

Charlie Days - WA1JFD (2010)

Tim Smith - N1TI (2011)

Henry Blanchett - W1GYL (2012)

### STANDING COMMITTEES

#### Building and Grounds

Marty Jordan - KA1YFV

#### Scholarship

Larry Houbre, Jr. - AA1FS

#### Technical

Dave Goldstein - W1DJG

### SPECIAL COMMITTEES

#### Activities

Scott Szala - W1EV

#### ARES/SKYWARN

Rob Macedo - KD1CY

#### Building Renovation

Dave Dean - K1JGV

#### QSL Manager

John Nery - WA1ESO

#### Radio Events

Bob Kelley - K1KVV

#### Repeater

Rick Cabral- W1RJC,

Dave Goldstein - W1DJG

#### Website

Tim Smith - N1TI

## It seems to me ...

de *Bob - K1KVV* <[editor@semara.org](mailto:editor@semara.org)>

... I must be getting old! I don't think I can remember all the important amateur radio things that have happened in 2008. Perhaps the most important thing is the with the gift of the Kenwood TS-940S transceiver, SEMARA has a contest quality set-up—working into the Sommers Log-Yagi antenna at 80 feet. It seems like there may be more radio activity at the clubhouse in our future.

Well, let's see if my crystal ball is any better than last year. I see ... lots of improvements to the grounds and the clubhouse, ... lots of radio activity using our excellent station, ... some propagation surprises in 2009.

To begin with—be sure to participate in *Kid's Day* at the clubhouse on Saturday, Jan. 4 from 1 PM to 4 PM or so, propagation permitting.

Next, warm up your 6-m equipment for Feb. 18 when the analog TV broadcasts disappear. You might be surprised at what you'll hear up at the high-end of the band.

Of course, 40-m phone will blossom, with or without sun spots, when the international broadcast stations vacate 7100 –7200 kHz in March. The quiet may be deafening!

One of the consequences of this reallocation is that the Canadian National Research Council's shortwave standard time station **CHU** will move their transmission frequency from **7335 kHz** to **7850 kHz**. The change goes into effect on 01 January 2009 at 00:00 UTC. **CHU** is located approximately 15 km south-west of downtown Ottawa. So it is easier to hear than **WWV** in Boulder, CO.

— o —

*Special recognition* goes to **Rob Macedo, KD1CY**, who received the special award that was given to NWS-Taunton Amateur Radio Team **WX1BOX** citing excellence in service and "tireless service" to the NWS and to the people of Southern New England. *Good job, Rob!*

## POINT TO PONDER

**“Prejudice delivers instant opinions without bothering with all those facts.”**

~Anonymous

## HAMMIN' AROUND

**Question\* G2F06** What does the term “zero beat” mean in CW operation?

- A. Matching the speed of the transmitting station
- B. Operating split to avoid interference on frequency
- C. Sending without error
- D. Matching the frequency of the transmitting station

\* 2007 Element 3 General Class Question Pool (good thru 2011-06-30) **Answer on page 8**

# Club Notes

## REMINDER



### Every member assessment of \$10.

The assessment will be collected during the first quarter of 2009. The period begins with the January business meeting and ends with the April business meeting.

Members will be notified via email using the SEMARA announcement email list. Members without an active email account will be notified via first-class US mail at their FCC address. Members who cannot be reached or have not paid the assessment will be marked in arrears after the April 2009 business meeting.

The Vice-President will serve as the collector for the assessment. Cash will be accepted only at the business meetings.

~Editor

### DEC. 6 SEMARA VE SESSION

**Daniel E, Hass**  
successfully passed the TECHNICIAN Class exam.

*Welcome to amateur radio, Dan!*

**Joseph Hampson, III — W1JFI**  
successfully passed the GENERAL Class exam.

*Welcome to the HF bands, Joe!*

### NEW MEMBER

One application for life membership was received and approved at the December 4, 2008 business meeting:

**Raymond E. Wall, Sr., N1KXJ.**

*Welcome to the club, Ray*

### NEXT SEMARA VE SESSION

Feb 7, 2009  
SEMARA – 10:30AM  
Larry Houbre-AA1FS  
[LRHguy@earthlink.net](mailto:LRHguy@earthlink.net)  
508-991-6055

## LOCAL NET ACTIVITY

*Everyone is welcome to check in!*

**147.000+ (PL 67.0 Hz) (FM) — Roundtable**  
“Camel” Net is held *every evening* at 7 p.m. on the SEMARA Repeater, **W1AEC**.

**50.200 MHz (USB) — Net** is held *Wednesdays* at 8:30 p.m. **Bob, N1HCW** (Acushnet) is net control.

**28.490 MHz (USB) — Net** is held *Tuesdays* at 8:30 p.m. **Bob, N1HCW** (Acushnet) is net control.

**3862 kHz (LSB) — SEMARA Morning Net** is held *weekdays* from 7:30-8 a.m. ET

**3545± kHz CW — SEMARA CW Net** meets every Monday at 8:00 p.m. **Don, WA1BXY** is net control.

### SEMARA 900 MHZ FREQ. PAIR

A construction permit has been issued for the construction of a 900 MHz repeater. The assigned frequency pair is

**927.8375 MHz (repeater output)**

**902.8375 MHz (repeater input)**

Our permit expires: June 13, 2009

Here's a challenging Sudoku puzzle to attack while waiting for the net to start. This one uses the letters **A, E, L, N, O, Q, R, T, U**. The main diagonal spells a 9-letter word. **Solution is on page 8**

			E				R	U
								E
			N	Q	U	T		
O	R				Q	N		
	U	Q				R	E	
		L	R				O	Q
		E	L	A	O			
N								
U	L				N			

# November 6, 2008 Minutes

The November 6th, 2008 business meeting was called to order at 7:05 p.m. by President (**Lou, W1CH**). The salute to the flag was followed by a moment of silence for recently passed SEMARA members **Paul Lariviere – WA1CQM, Ed Harrington – W1VF and Louie Whitlow, W1GDE**. The roll call indicated 22 members present and one guest.

**Secretary's Report** from October was deferred.

**Treasurer's Report:** **Mike, KB1NB** reports that the club treasury balance is \$14,011 (combined checking and savings). Two checks are outstanding from Netcom. Quarterly property tax paid out was \$1,130. Total spent \$1,334 for month. **Motion** to replenish the attorney retainer by \$2,500 passed unanimously. A **motion** to refer to audit passed.

## Standing Committee Reports

**Building and Grounds: (Dave, K1JGV):** Reports that handicap ramp has to wait until grading has been completed. After much discussion regarding materials, timing, ramp position, who is doing the work, etc. Sampling wells are to be marked and protected during landscaping efforts. KN1NB cautioned the membership regarding the current budget given other expense obligations. A **motion** to appropriate \$3,000 passed to cover cost of material and grading. (Sec. Note: This does not cover the cost of the ramp.)

**Technical Committee: (Dave, W1DJG)** report that application for 900 MHz frequency pair has been applied for. Dave purchased and donated a 900 MHz commercial antenna which is now stored in the container. Repeater time is off due to Daylight Savings Time and will be corrected soon. Dave reported that surplus transceivers are on the market from \$50 to \$200 and will provide details as the project progresses.

## Special Committee Reports

**Skywarn: Chris, W1EAV** reports that **Rob, KD1CY** was in Framingham giving a Skywarn session and could not make it. A Skywarn training class will be held in Mansfield on November 13. There is an emergency communications workshop on November 22 at a location to be announced in the North Shore area. Skywarn Recognition Day is December 6. For more information contact **Rob, KD1CY** via email at [kd1cy@comcast.net](mailto:kd1cy@comcast.net). A reminder that ARRL EMA SM ballots should be returned as soon as possible.

**Events: (Bob, K1KVV)** recommended to visit <http://arrl.org/contests> to get the latest on the many contests and operating events in the next couple of months. John,

**Website (Tim, N1TI):** Web site was down for a couple of days recently due to an accounting error. Billing information has been updated and web site back in business. **Bob, N1BLF** is contributing regularly to the HandiHam audio readings that are available on the web site. Plans are to move the camera server from N1TI's house back to the club. The Comcast connection is now fast enough to handle

the camera traffic as well as the Echo/IRLP streams. Plans to add to and reposition the surveillance cameras. The existing external camera may be removed from service should the new cameras work out better pending membership approval). The plan is to add one internal camera and up to two external cameras to increase property coverage.

**Communications (Bob, K1KVV):** Received a membership application from **Ron Ellis, N1GFS**. Ratification passed unanimously. Ron is an active Scout leader in Matapoisett and is interested in young ham activities such as JOTA. The membership provided a warm reception to Ron.

**Old Business: Mike, KB1NB** called for old security access cards. Mike also has been in contact with Netcom regarding tower base security and the fence replacement. The large container has been moved further back on the property.

**New Business: Bob, K1KVV** proposed raising money to offset the recently allocated \$3,000 for the grading project by accessing each member \$10.00. Collection to begin at the January 2009 business meeting. Initial notification via email. Members without email access will be notified via a postcard. Anyone unreachable at their FCC address will be declared in arrears. **Motion** passed unanimously.

**Good of the Club: Matt, KB1OSV** voiced concern of a conflict between operating for Skywarn Day and Volunteer Exams. Matt will be at the club operating the club station as well as his own gear and invites other members to join him. **Dave, W1DJG** is hosting a tour of the WBZ transmitter site on November 15th in Hull with lunch to follow at the Red Parrot. **Tim, N1TI** reminded that the Farafest is this Saturday at Cape Voc Tech and referred to the web site. He also reminded that when analog TV goes dark in February, amateurs at select stations will have access to the channel 2 antennas for a special event (and perhaps permanent operation). Stay tuned to the web site for details.

**Dick, K1AHA** reports a new six meter FM repeater going online soon on the Cape by N1YHS.

**Nominations: Tim, N1TI** opened the floor for nominations for the slate of 2009 BOD, Officers and Trustee. Nominations received on the floor were: President: W1CH; Vice President: K1KVV, W1DJG; Treasurer: KB1NB; Secretary: W1MLD; BOD: W1DJG, K1AHA, K1USW, K1JGV, N1IXC, N1TI; Trustee: KB1OSV (Secretary's Note: It was later discovered that Matt was not eligible for Trustee position due to lack of required tenure. His name was subsequently removed from the ballot).

A **motion** to adjourn passed unanimously at 7:55 p.m.

**Dave, W1DJG** served as the 50/50 raffle chairman... details to follow.

Respectfully submitted,

**Tim Smith, N1TI**  
Secretary



# SEMARA News

## W1P RESULTS



W1P operated from about 9 AM local time until almost 4 PM. We made a total of 170 contacts:

87 on 40 and 20 meter SSB,  
and 83 on 40 meter CW.

Best DX was Belgium, Italy and UK on 20 meter sideband, and Louisiana on 40 meter CW.

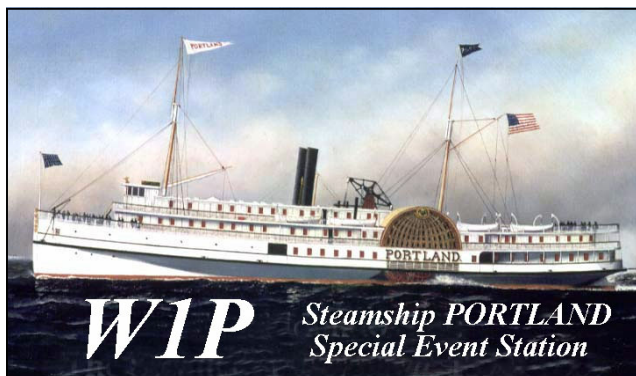
Those operating included:

Bud Hall, K2LP  
Henry Brown, K1WCC  
Charlie Bresnahan, K1CB  
Helen Bresnahan, N1HVB  
Jeremy Thomas, currently unlicensed.

We were also visited on-site by other hams from around the area.

Thanks to all who worked us!

~Henry Brown, K1WCC



## DONATED RIGS



At the December 6<sup>th</sup> Business meeting **Mike, KB1NB**, announced that Catherine Lariviere, the wife of **Paul, WA1CQM-SK**, donated to the club a **Kenwood TS-940S** with the nice desk mike (Frequency UP/DOWN and lock PTT) and an older **Kenwood TR-7850** 2 meter mobile rig (good for APRS).

According to **Matt, KB1OSV**, the TS-940S performed really well on SkyWarn Appreciation Day. He spent about three hours operating from **WIAEC** using first the Kenwood TS-570 and then the TS-940S. Here's what he had to say: "After setting up the TS-940S and making several audio adjustments I was busting through pileups that the Kenwood TS-570, the club's current radio, would not even get through. I tried for two hours to get the National Storm Center in Oklahoma on the TS-570. They could not hear me no matter how hard I tried. Then, I switched over to the Kenwood 940, one key-up, and busted through a HUGE pile-up, The meteorologist running the radio in Oklahoma said I was 5x9 and 20 over and coming in LOUD through their StepperIR antenna. Let me say this, the Kenwood 940, running at 100 watts, ran circles around the current club station radio. The radio was excellent at picking up all the tough stations down in the noise. I was easily able to separate stations down to about 1 kHz."

# More SEMARA News

## W1AEC ON THE AIR SKYWARN RECOGNITION DAY

QSOs with **Matt, KB1OSV** operating:

- **K0MPX** - National Weather Service, Chanhasen, Minnesota
- **WX5NWC** - National Weather Service and National Storm Prediction Center, Norman, Oklahoma
- **W5MAF** - National Weather Service, Midland, Texas
- **W5A** - National Weather Service, Little Rock, Arkansas
- **WX4JAX** - National Weather Service, Jacksonville, Florida
- **WX7LKN** - National Weather Service, Elko, Nevada
- **N0W** - National Weather Service, Grand Junction, Colorado
- **W0NWS** - National Weather Service, Omaha, Nebraska

## ARRL 10 METER CONTEST

QSOs with **Matt, KB1OSV** operating:

- **KA1VMG** - Andrew in North Stonington, CT
- **AD1DX** - Ceasar in Fall River, MA
- **N1MM** - Tom in Vernon, CT
- **W4UH** - Danny in Jupiter, Florida
- **HI3CCP** - Constantino in the Dominican Republic

## INCIDENTAL CONTACTS

Noticing that 10 meters was opening up a bit, I went over to 17 meters and had a great QSO with Les - M0YCM/6Y5 operating portable on the beach, with a Buddipole, in Negril Jamaica. I was amazed at his audio and signal strength as it sounded like he was sitting right next to me. He audio was so clear that I could hear the waves crashing on the beach and the wind blowing across his mike.

~Matt, KB1OSV

## TS-940S TRIAL RUN

During the Sunday morning "Rag Chew" I fired up the radio and put it through it's paces. My first contact was Italy on USB and got a 5/8. I then scanned up the band and came across a station in Poland run-

ning 15 dB over S9. One call to him in the pile up and he came right back to me with a report of 10 dB over S9.

I was also down there a couple days before and was running PSK on the other Kenwood and had a huge pile up on me from Europe. I worked 10 stations in less than an hour.

~Dave, W1DJG

## CW LEARNING EXPERIENCE

I ran the TS-940s Sunday for a short time and it is a much, much better radio than the TS-570. I ran it on CW; it has a much better RX than the TS-570. The only thing with the TS-940s is that it needs an out-board keyer, since this does not have a built-in auto-keyer. It did work well; I just put paddles on side and used it as a S-K HIHI. Hopefully I will have more time shortly to see if there are anymore bugs on the CW side.

~73 all, Don WA1BXV

## SEMARA HAS A GREAT SET-UP

Seems like the bands are starting to OPEN UP!!!! And that Log Periodic is quite unbelievable!!!!

One more thing, I also saw someone else making contacts in the log book. That is really what it's all about guys.

We have a GREAT station at a GREAT CLUB and we really need to get down there and *use the equipment.*

I can pretty much guarantee that 99% of us don't have an antenna like the one at the club. All I can say is WOW when the bands open up.

If there is something you don't understand, ASK and someone is bound to know the answer.

So, what do you say — let's use the station for as our station away from home, even if you don't have one at home. Just remember to use **W1AEC** as the call sign.

~Dave, W1DJG

## VE SESSIONS

*Walk-ins permitted unless otherwise noted.*

<http://www.arrl.org/arrlivec/examsearch.phtml>

**SEMARA** – 10:30AM **Feb 7th**

Larry Houbre-AA1FS  
[LRHguy@earthlink.net](mailto:LRHguy@earthlink.net)  
 508-991-6055

**Canton, MA** –7:30PM **Jan 15th**

Louis D Harris-N1UEC  
[N1UEC@n1uec.org](mailto:N1UEC@n1uec.org)  
 508-668-0858

**Slatersville, RI** – 9:00AM **Jan 31st**

Robert E Jones-WB1P  
[WB1P@arrl.net](mailto:WB1P@arrl.net)  
 401-333-4787

## CLUB DETAILS

*GPS Coordinates:*

Lat. N 41° 36.795' Long. W 070° 56.550'  
 — o —

*Maidenhead Grid Coordinates: FN41mo*

*For FISTS Sprints: FISTS #10555*

## SOME CONTESTS

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

**ARRL Straight-Key Night-CW** —1 Jan 0000Z-1 Jan 2400Z. See [www.arrl.org/contests](http://www.arrl.org/contests)

**Kid's Day-Phone** — 4 Jan 1800Z-4 Jan 2400Z. See [www.arrl.org/FandES/ead/kd-rules.html](http://www.arrl.org/FandES/ead/kd-rules.html)

**070 PSKFest-Digital** —10 Jan 0000Z-10 Jan 2400Z. See [www.podxs070.com/](http://www.podxs070.com/)

**DARC 10 Meter Contest-Phone, CW** — 11 Jan 0900Z - 11 Jan 1059Z. See [www.darc.de/referate/dx/fedcz.htm](http://www.darc.de/referate/dx/fedcz.htm)

**North American QSO Party-Phone** — 17 Jan 1800Z-18 Jan 0600Z. See [www.ncjweb.com/naqprules.php](http://www.ncjweb.com/naqprules.php)

**ARRL January VHF Sweepstake-Phone, CW** — 17 Jan 1900Z-19 Jan 0400Z. See [www.arrl.org/contests](http://www.arrl.org/contests)

## COMING FLEAS & FESTS

<http://www.arrl.org/hamfests.html>

**31 Jan** **Chelsea ME**  
**Augusta Amateur Radio Association**  
**Bill, K1NIT— 207-623-9075**

## “THINKING ABOUT THE END OF THE YEAR\*”

“Hopefully Santa will have brought you that new rig you asked about in 2008 and now you will be able to get on the air in 2009 with it.

“Since the technology has been changing a lot over the last few years, how about making a New Year resolution to learn more about some of the newer ham radio technology out there?

“At the same time now would be a good time to set a goal to go after that next license. Set up an hour each day to spend studying for that upgrade. Everyone studies differently, so do what works for you.

“So, you all ready have your Extra Class well, how about taking one of the ARRL's online emergency communications courses?

“That project that has been sitting on the bench forever wouldn't 2009 be a great time to get it completed and clean off that workbench?

“CW! Oh, yes now that it is not a requirement maybe it would be fun to learn International Morse

Code now. It may be fun to do some CW operating. There are still stations in some countries on CW that are never found on phone, so for those of you who are going after DXCC or some other award, that may be the only way to make contact with those stations.

“2009 would be a good time to become more active in the local radio club. In many of the clubs (amateur radio or otherwise) 10% of the people do 90% of the work, so there is always someone that can use some help. Whether it is someone to help write the newsletter or be the club's webmaster or someone to stuff the envelopes of the mailings, someone has to be there to do it.

“Speaking of outer space, perhaps toward the end of 2009 we'll have people traveling to some other outer space locations and they can be used as repeaters to make Earth to satellite communications more often.

So, until next time...

73 & DX from **K0HLA, Avery**

\* adapted from *Handiham World Weekly E-Letter* for the week of 24 December 2008

### LOCAL REPEATER DIRECTORY

See <http://www.semara.org/repeaters.htm>

Frequency CTCSS	Call	Location
<b>144</b>		
145.110 - 67.0	KB1BWN	New Bedford
145.130 - 151.4	WF1A	W Greenwich, RI
145.150 - 123.0	WA1DGW	Fall River
145.450 - 100.0	W1SYE	Portsmouth, RI
145.490 - 67.01	W1SMA	Fairhaven
146.655 - 88.5	WA1GPO	Falmouth
146.685 - 82.5	N1ZIZ	Plymouth
146.700 -	K1CR	Cranston, RI
146.730 - 67.0	W1SGL	Sandwich
146.760 -	W1HQV	Scituate, RI
146.805 - 67.0	NN1D	Fall River
146.835 - 192.8	WA1QCA	Johnston, RI
146.880 - 100.0	WC1R	Newport, RI
146.940 - 67.0†	K1KYI	Cumberland, RI
146.955 - 88.5	K1PBO	Dennis
<b>147.000+ SEMARA 67.0*</b>		
<b>W1AEC Dartmouth</b>		
147.045+ 141.3	W1HDN	W Warwick, RI
147.120+ 173.8	K1WEW	Portsmouth, RI
147.135+ 67.0	KA1GG	Taunton
147.165+ 67.0	WA1HAH	Exeter, RI
147.180+ 67.0	W1MV	Bridgewater
147.195+ 127.3	K1SMH	Attleboro
147.315+ 67.0	WG1U	Plymouth
147.330+ 131.82	W1AQ	E Prov., RI
147.345+ 88.5	KB1QL	W Tisbury
147.375+ 110.9	N1YHS	Falmouth

\* IRLP-4347 & EchoLink-44347 † PL now required

† IRLP-4617 & EchoLink-4611; 2173.8 required to use IRLP-4907

Frequency CTCSS	Call	Location
<b>222</b>		
223.760 -	K1KYI	Scituate, RI
223.780 - 88.5	N1PYN	Brockton
223.820 - 67.0	N1JBC	Newport, RI
223.900 -	KA1ABI	Coventry, RI
223.920 -	KAILMX	Warwick, RI
223.960 - 127.3	KA1RCI	Johnston, RI
223.980 -	W1OP	Johnston, RI
224.040 - 67.0	KA1RCI	Lincoln, RI
224.060 - 103.5	N1ZZN	Norwell
224.200 - 100.0	KA1MYV	Lincoln, RI
224.320 - 118.8	W1ZSA	Walpole
224.400 - 103.5	NIKUG	Quincy
224.560 - 100.0	KA1NXS	Exeter, RI
224.620 - 88.5	N1TVZ	Attleboro
224.660 -	W1KG	Medway
224.760 -	KA1SOO	W Warwick, RI
224.920 - 67.0	N1JBC	N Prov., RI
224.960 - 88.5	W1VET	Warwick, RI

**440 (within 25 miles of SEMARA)**

441.400+ 192.8	WG1U	Assonet
441.750+ 192.8	W1AQ	E Prov., RI
442.550+ 67.0	WG1U	Assonet
443.150+ 94.8	K1CW	Bristol, RI
444.350+ 88.5	W1ACT	Fall River
446.375 - 67.0	KA1RCI	Little Compton, RI
447.225 - 88.5	WP4US	Taunton
447.525 - 88.5	WA1TAQ	Portsmouth, RI
448.325 - 186.2	KC2GDF	Newport, RI
449.525 -	NN1D	Fall River

Check <http://www.nerepeaters.com/se.htm#440>

### ALL-OF-THE-TIME ACITIVITIES

**BUSINESS MEETING:**

7 PM FIRST THURSDAY OF THE MONTH

**SUNDAY RAGCHEW AT THE CLUBHOUSE:**

7-11 AM SUN

### MOST-OF-THE-TIME ACTIVITIES

\*EARLY BIRD BREAKFAST: 6 AM TU & TH

*West End Grill*

1000 Rockdale Avenue, New Bedford

\*CLUB COFFEE MEET: 1 PM WEEKDAYS

*Boston Coffee & Bagel*

122 Allen Street (corner of Dartmouth Street)  
New Bedford

LUNCHEON: 11:30 AM FRIDAYS

**Meet at the clubhouse at 11:15 AM**

Each week we decide which local restaurant is to have the honor of our presence.

\* Call first on repeater to see who's coming

### ANSWER: HAMMIN' AROUND

What does the term "zero beat" mean in CW operation?  
D. Matching the frequency of the transmitting station

### ANSWER: SUDOKU

Word: Tarantula

A	T	E	N	R	Q	O	L	U
R	L	O	E	T	U	V	Q	N
N	Q	U	O	V	L	E	T	R
Q	O	V	T	U	R	L	N	E
T	E	R	L	N	O	Q	U	V
L	U	N	Q	E	V	T	R	O
O	V	T	U	Q	N	R	E	L
E	N	L	R	O	T	U	V	Q
U	R	Q	V	L	E	N	O	T