



ZERO BEAT

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



Since 1932

Volume 46 Issue 12

SEMARA-W1AEC

December 2010

2011 Nominations

At the November 4, 2010 business meeting the following slate was nominated for Officers, Directors, and Trustee (2015);

NOMINATION SLATE

Officers

President

Marcel - W1MLD

Louis - W1CH †

Vice- President

Bob - K1KVV †

Secretary

Rick - W1RJC

Treasurer

Mike - KB1NB †

Board of Directors - one year (vote for 3)

Dave - K1JGV

Joe K - N1IXC †

Eric - N1WCO

John - WA1LSH †

Brad - W1BEP †

Trustee - five years (vote for one)

Charlie - WA1JFD †

Joe K- N1IXC

† Indicates running for the same office currently held.



Nominations are open until the actual election. Except for Trustee who must have been a member for five years, all other offices are open to any member. Anyone not on this list who is nominated at the December 2, 2010 Business meeting needs to be present to confirm a willingness to serve.

ZERO BEAT

Published online monthly

©2010 Southeastern Massachusetts
Amateur Radio Association, Inc.54 Donald Street,
South Dartmouth, MA 02748
(508) 997-7070
<<<<<0>>>>>**EDITOR:** Bob Kelley—K1KVVE-mail: [editor\[at\]semara\[dot\]org](mailto:editor[at]semara[dot]org)**SEMARA:** <http://www.semara.org>E-mail: [w1aec\[at\]semara\[dot\]org](mailto:w1aec[at]semara[dot]org)
<<<<<0>>>>>**2010 SEMARA OFFICERS***President*

Louis Mester—W1CH

Vice President

Bob Kelley—K1KVV

Secretary

Marcel Dumont—W1MLD

*Treasurer*Mike McDonald—KB1NB
<<<<<0>>>>>**Directors:**

Joe Krisnowsky—N1IXC

Brad Paiva—W1BEP

John Walsh—WA1LSH
<<<<<0>>>>>**Trustees: (year term is up)**

Charlie Days—WA1JFD (2010) chair

Tim Smith—N1TI (2011)

Henry Blanchett—W1GYL (2012)

John Walsh—WA1LSH (2013)

Louis Mester—W1CH (2014)
<<<<<0>>>>>**STANDING COMMITTEES***Building and Grounds*

Dave Dean—K1JGV

Marty Jordan—KA1YFV

Scholarship

Sonny Eddleston—K1USW – chair

Chuck Moszczenski—KB1FRL

Alan Dulong—WB1FQP

Joe Krisnowsky—N1IXC

Technical/Repeater/Website

Dave Goldstein—W1DJG: Tech

Rick Cabral—W1RJC: Repeater

Rick Cabral—W1RJC: Website

Ben Jackson—N1WBV: facebook
<<<<<0>>>>>**SPECIAL COMMITTEES***Activities*

Scott Szala—W1EV

ARES/SKYWARN/RACES

Rob Macedo—KD1CY

QSL Manager

Joe Nery—WA1ESO

Radio Events

Bob Kelley—K1KVV

Tech Talk

Eric Pierce—N1WCO

It seems to me ...

de Bob - K1KVV <[editor\[at\]semara\[dot\]org](mailto:editor[at]semara[dot]org)>

that there are lots of things we could be thinking about to make SEMARA a better amateur radio club. No, I'm going to tell you what to do - in fact let me turn that around and gather your ideas,

1. Let me ask you, "What was it that got you interested in becoming an amateur radio operator in the first place?"
2. What is/was the reason SEMARA was formed, what is its mission? Let's hear from all the old-timers out there!
3. What do we need to do to get you out to a Tech Talk? The last one was attended by a small crowd.
4. What can you do to attract, and keep interested, new hams?
5. What activities, and modes, do we need to get involved in to help keep us and the hobby alive and well into the indefinite future?
6. What kinds of workshops and training courses do you want us to organize and arrange to offer.
7. Are you interested in getting your own station in order?
8. How are your antennas and feed lines?
9. Are you interested in becoming an "Elmer" to a new ham?

I hope you will take a few moments to think about how and why you are a member of SEMARA. What direction do you want SEMARA to take? What are we leaving out?

Our Scholarship efforts needs to have something that it can plug into, like the planned Technician Licensing course, or an Emergency Communication practicum that will give us lots of trained and capable operators when a real emergency occurs. There is nothing more useless than an untrained person volunteering when emergency communicators are needed.

Perhaps we need to raise the bar for ourselves. We want to be on the right side of the succeed/fail equation for amateur radio, "When all else fails .."

POINT TO PONDER

"Temperament we are born with; character we have to make."

~J. Baldwin Brown

HAMMIN' AROUND

Question* T1F02 When using tactical identifiers, how often must your station transmit the station's FCC-assigned call sign?

- A. Never, the tactical call is sufficient
- B. Once during every hour
- C. Every ten minutes
- D. At the end of every communication

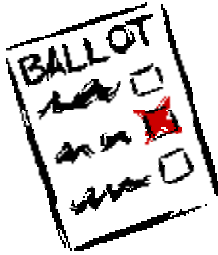
* 2014 Element 2 Technician Class Question Pool (good thru 2014-06-30) **Answer on page 8.**

Club Notes

December is the month for change at SEMARA. We elect a slate of officers for the next year and a trustee to serve for the next five years,



Be sure to attend the December 2, 2010 business meeting to exercise your right to affirm the leadership of your club.



Don't forget to volunteer for one of the important committee positions! Everyone is eligible to serve on a committee and help the club fulfill it's mission.

Club Numbers
 GPS Coordinates:
 Lat. N 41° 36.795' Long. W 070° 56.550'
 Maidenhead Grid Coordinates: **FN41mo**
 For FISTS Sprints: FISTS #10555

LOCAL NETS

Everyone is welcome to check in!

147.000+ (PL 67.0 Hz) (FM) — “*Camel*” Net Roundtable is operating irregularly at 7 PM on the SEMARA Repeater, usually on Mondays and Wednesdays.

50.200 MHz (USB) — Net is held *Wednesdays* at 8:30 PM. **Dick, K1AHA** (Dartmouth) is net control.

28.490 MHz (USB) — Net is held *Tuesdays* at 8:30 PM. **Dick, K1AHA** (Dartmouth) is net control.

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

LOCAL REPEATER DIRECTORY
 See <http://www.nerepeaters.com/se.htm>
 144 (<http://www.nerepeaters.com/2m.htm>)
 222 (<http://www.nerepeaters.com/222.htm>)
 440 (<http://www.nerepeaters.com/440.htm>)
 902 (<http://www.nerepeaters.com/902.htm>)

Sudoku

Here is a fun Sudoku puzzle to while away the time waiting on net control. (Solution on p. 8.)

1	3		6			5		
	5			9	4			2
	4		8					7
	6		2		9	8		
8								4
		7	4		5		1	
9					6		3	
6			1	4			8	
		5			8		2	6

NEXT SEMARA VE SESSION
 December 4, 2010
 Clubhouse @ 10:30 AM
 Contact: Larry Houbre-AA1FS
[LRHGuy \[at\] earthlink \[dot\] net](mailto:LRHGuy@earthlink.net)
 508-991-6055



Official Meeting Minutes

November 4, 2010



The meeting was called to order by Secretary **Marcel (W1MLD)** at 7:12 PM with the salute to the flag. The roll was called and there were 21 members present. The President and Vice-President were not present.

SECRETARY'S REPORT

A motion was made and seconded to dispense with the reading and accept the report as published in **ZERO BEAT** and the bulletin board. Members voted unanimously to accept.

TREASURER'S REPORT

The treasurer **Mike (KB1NB)** reported that the treasury now has \$35,163.00 in all accounts with another check not yet received. A motion was made and seconded to defer to audit for review. The members voted unanimously.

STANDING COMMITTEES

Buildings and Grounds—Dave (K1JGV) reported that the restroom has been completed and is usable. He also suggested that the entire building interior be cleaned.

A question was made by **Joe (N1IXC)** about the restroom problem. **Marcel (W1MLD)** explained that he had contacted the Building Inspector and explained the situation. A letter was sent explaining the same conversation that we had on the telephone. The letter was read at the meeting .

Scholarship Committee—Joe (N1IXC) reported that the letters are going out to the schools this month.

Technical Committee—Ben (N1WBV) reported that the computers still have to be setup and he hoped that it would be worked on next Thursday. The camera will be addressed after the computers are complete.

Joe (N1IXC) stated that the old computers were sanitized by **Rick (W1RJC)** and he will remove them and junk them on Saturday.

Repeater Committee—Ben (N1WBV) reported that the 900 repeater is not linked yet because they are waiting on the PolyPhasers which are on backorder. This will be completed this month.

ARES, RACES, SKYWARN—Joe (N1IXC) reported the they had the drill on Monday and everything went well. The repeater worked well and had no problems.

Brad (W1BEP) reported that he and **Paul (KA1IB)** were appointed to the Freetown RACES team.

Eric (N1WCO) reported that the Skyward Appreciation Day is in December.

OLD BUSINESS

Joe (N1IXC) asked if there is a Tech Talk this month. **Eric (N1WCO)** answered yes that someone will be giving a talk on the Marconi Station and will be held on November 18th at the clubhouse.

Rick (W1RJC) explained that the both repeaters will be back in service by the end of the month. There was some discussion about the repeaters.

Brad (W1BEP) notified the members that he has the banner that was made and donated to the club by **Wayne (WA1CCM)** and will bring it to the club.

NEW BUSINESS

Rick (W1RJC) wanted to see what the members thought about a new 220 MHz repeater he has and will donate the repeater to the club and the only thing that the club will need to purchase is the duplexers. After some discussion it was decided to accept the donation. A motion was made and seconded to accept the repeater and the club would purchase the duplexer. All other equipment, antenna, controller, triplexer the club already has. The motion was voted by the members.

The fact that the officer plaque is not up to date was discussed and **Armand (W1BUG)** said he would take care of it this month.

GOOD OF THE CLUB

Rick (W1RJC) reported that he had taken care of the computers but it seems that people are bringing in stuff that should actually be disposed of. Lets get it cleaned up.

(Continued on page 6)

SEMARA News

BOD MEETING MINUTES November 27, 2010

The Board of Directors meeting was called to order by the President, Louis at 10:23 AM. The Directors present were **Louis (W1CH)**, **Marcel (W1MLD)**, **Bob (K1KVV)**, **Mike (KB1NB)**, **Joe (N1IXC)**, **John (WA1LSH)**.

Bob (K1KVV) started the meeting with a suggestion that the President appoint members to the committee's that will do something to keep the club moving ahead. *Social activities* has been a disaster. We should get someone that will do several functions a year. There was considerable discussion on this subject and we will address it with the new slate of officers. There was also some discussion with reference to *RACES* and other things that might need communication. The members could participate in these activities. The big thing is training the members. **Marcel (W1MLD)** spoke about the meetings that he went to and drill he participated in with **Joe (N1IXC)**. It was suggested to setup some training for this type of communication scenario.

The next subject that was talked about was security. The fact that *Netcom* was broken into and we have no security left leaves us very vulnerable to thieves. We will ask those that are responsible for maintaining the camera's to give us a date or we may have to go outside. There was also a suggestion to install an alarm system in the building. We will bring all of this up at the next business meeting. **John (WA1LSH)** will get information of the system that is installed at BCC.

Marcel (W1MLD) read a letter that he received a few minutes earlier. The letter was read from *Jeffrey Dougan* from the *Massachusetts Office on Disability*. Also read was a letter from *Andrew Bobola*, the town building commissioner. Both letters said that the restroom was not in compliance and that we have to come into compliance. It was suggested that we turn this over to the attorney. This subject will be brought up to the members at the next business meeting.

The next subject is the dumpster for cleaning the trailer. We need to get this done soon.

Loius (W1CH) suggested he could do a chicken dinner. Get chickens from BJ's and make or buy all the fixing and have a good meal.

Meeting adjourned at 11:45 AM.

Respectfully submitted, **Marcel (W1MLD)**



ARRL Membership



Did you know we are an ARRL affiliated club? The implies that at least fifty percent of our members are ARRL members, too. It is gratifying that the last few members to join SEMARA are Life members, as I am. I looked at it as a good investment in amateur radio.

One of the first things that I was looking for was the kind of help that that ARRL offered when I was starting out - code practice transmissions. Of course, you needed a copy of QST to check the copy (sneaky marketing, eh?). That was OK with me as I liked the mix of technical articles in QST. The other thing that attracted me was the attention that the ARRL paid attention to the attacks on the amateur bands. You see, I was licensed just as the 11-meter band was reallocated as an HF Citizens Band service. Even today, if you tune the low end of 10-meters and below, you will run into the so-called "HFers" running LSB and lots of power. These pirates needed to be paid attention to by all of us, not only the CW operators who are being interfered with. That's why I support the ARRL's Frequency Defense efforts

More recently, the ARRL has tried to redefine itself by going into more education projects. One is the set of EmComm courses that they have developed. Another thrust is the Technical Training course for teachers to help the teachers get their student enthusiastic about science, technology and mathematics (STEM).

I'm sure you could add to this discussion. Please do! We could use more talk about amateur radio and all that hams can do.

73 de **Bob-K1KVV**

...Satellites, anyone???

More SEMARA News

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

**THIS SPACE IS
RESERVED FOR
THE LATEST
DEVELOPMENTS
AT
SEMARA
OR
IN THE
WIDER WORLD
OF
AMATEUR
RADIO
THEORY AND
PRACTICE**

(Continued from page 4)

Marcel (W1MLD) reported that the Dartmouth Police will donate a tv for our use if we want it.

A motion was made and seconded to accept the tv. The members voted unanimously.

Going back to the duplexer. we should appropriate a sum of money to be spent for this equipment. A motion was made and seconded to appropriate \$1,500. for the equipment to put the 220 repeater on the air. The members voted unanimously.

NOMINATION OF OFFICERS

President Marcel W1MLD, Louis W1CH
Nominations closed

Vice- President Bob K1KVV
Nominations closed

Secretary Rick W1RJC
Nominations closed

Treasurer Mike KB1NB

Board of Directors

**Dave K1JGV, Joe N1IXC, Eric N1WCO,
John WA1LSH, Brad W1BEP**
Nominations closed

Trustee

Charlie WA1JFD, Joe N1IXC
Nominations closed

The members voted unanimously to close all nominations.

ADJOURNMENT

A motion was made and seconded to adjourn the meeting. The members voted unanimously at 8:45 PM

Respectfully Submitted
Marcel Dumont, Secretary (W1MLD)



Extra Class Exam Questions

E1A01 When using a transceiver that displays the carrier frequency of phone signals, which of the following displayed frequencies will result in a normal USB emission being within the band?

- A. The exact upper band edge
- B. 300 Hz below the upper band edge
- C. 1 kHz below the upper band edge
- D. 3 kHz below the upper band edge

Sometimes there are multiple correct answers —
select them all.
 Answers are given at the bottom of the page.

E1A04 With your transceiver displaying the carrier frequency of phone signals, you hear a DX station's CQ on 3.601 MHz LSB. Is it legal to return the call using lower sideband on the same frequency?

- A. Yes, because the DX station initiated the contact
- B. Yes, because the displayed frequency is within the 75 meter phone band segment
- C. No, my sidebands will extend beyond the edge of the phone band segment
- D. No, USA stations are not permitted to use phone emissions below 3.610 MHz

E1A05 Which is the only amateur band that does not permit the transmission of phone or image emissions?

- A. 160 meters
- B. 60 meters
- C. 30 meters
- D. 17 meters

E1A06 What is the maximum power output permitted on the 60 meter band?

- A. 50 watts PEP effective radiated power relative to an isotropic radiator
- B. 50 watts PEP effective radiated power relative to a dipole
- C. 100 watts PEP effective radiated power relative to an isotropic radiator
- D. 100 watts PEP effective radiated power relative to a dipole

E1A09 Which frequency bands contain at least one segment authorized only to control operators holding an Amateur Extra Class operator license?

- A. 80/75, 40, 20 and 15 meters
- B. 80/75, 40, 20, and 10 meters
- C. 80/75, 40, 30 and 10 meters
- D. 160, 80/75, 40 and 20 meters

E1A10 If a station in a message forwarding system inadvertently forwards a message that is in violation of FCC rules, who is primarily accountable for the rules violation?

- A. The control operator of the packet bulletin board station
- B. The control operator of the originating station
- C. The control operators of all the stations in the system
- D. The control operators of all the stations in the system not authenticating the source from which they accept communications

E1A13 When a US-registered vessel is in international waters, what type of FCC-issued license or permit is required to transmit amateur communications from an on-board amateur transmitter?

- A. Any amateur license with an FCC Marine or Aircraft endorsement
- B. Any amateur license or reciprocal permit for alien amateur licensee
- C. Only General class or higher amateur licenses
- D. An unrestricted Radiotelephone Operator Permit

Some Contests*

<http://www.arrl.org/contest-calendar>

- Dec 4, 0000Z - Dec 4, 2400Z **160-10 TARA RTTY Mêlée**
RTTY www.n2tv.org/seasons/tara_melee_rules.html
- Dec 11, 0000Z - Dec 11, 2400Z **80-10 Feld-Hell Happy Birthday Sprint** *Feld-Hell* www.feldhellclub.org
- Dec 11, 0000Z - Dec 16, 0200Z **6-0.75 NA High-Speed Meteor Scatter Contest** *Digital* www.ykc.com/wa5ufh/Contests/2010Contest.htm
- Dec 11, 0000Z - Dec 12, 2400Z **10 ARRL 10 Meter Contest**
Ph_CW www.arrl.org/contests
- *SWL*** Dec 11, 0000Z - Dec 12, 2400Z **10 28 MHz SWL Contest** *Ph_CW* swl.veron.nl/swlcontest.htm
- Dec 11, 0000Z - Dec 12, 2400Z **160-6 PSK Death Match**
BPSK31 www.mdxa1.org/deathmatch.html
- Dec 11, 1700Z - See Web site **160-40 UBA Winter Contest**
All_Modes www.uba.be/en/hf/contest-rules
- Dec 12, 2100Z - Dec 12, 2259Z **20 Great Colorado Snowshoe Run** *CW* www.cqc.org/contests
- Dec 16, 2100Z - Dec 16, 2300Z **160 Russian 160 Meter Contest**
Ph_CW www.radio.ru/cq/contest/rule-results/
- Dec 18, 0000Z - Dec 18, 2359Z **160-2 RAC Winter Contest**
Ph_CW www.rac.ca/en/rac/programmes/contests
- Not contest** Dec 18, 0001Z - Jan 2, 2359Z **160-2 Lighthouse Christmas Lights QSO Party** *All_Modes* arlhs.com
- Dec 19, 1800Z - Dec 19, 2359Z **80-6 ARRL Rookie Roundup** *CW* www.arrl.org/contests
- Dec 26, 0000Z - Dec 26, 2400Z **20 070 Club QRP DX Scramble** *BPSK31* www.podxs070.com
- Dec 26, 0830Z - Dec 26, 1059Z **80-40 DARC Xmas Contest**
Ph_CW www.darc.de/referate/dx/contest/xmas/en
- Dec 31, 1700Z - Dec 31, 12 Mid **160-10 South Dakota QSO Party** *Ph_CW* www.w0blk.org
- Jan 1, 0000Z - Jan 1, 2400Z **80-6 ARRL Straight Key Night**
CW www.arrl.org/contests

* See more December contest activity at URL above.

Answer: Sudoku ¹³

9	2	7	8	3	9	5	1	4
5	8	6	2	4	1	3	7	9
1	3	4	9	7	5	2	8	6
6	1	9	5	8	4	7	2	3
4	5	2	3	9	7	1	6	8
3	7	8	6	1	2	4	9	5
7	9	3	1	5	8	9	4	2
2	9	1	4	9	3	8	5	7
8	4	5	2	7	9	6	3	1

VE Sessions

Walk-ins permitted unless otherwise noted.
<http://www.arrl.org/find-an-amateur-radio-license-exam-session>



SEMARA – 10:30 AM **Dec 4th**

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

Fall River, MA – 7:00 PM **Dec 20th**

Skip Denault-KB1CNB
[skip \[at\] newtestamentschool \[dot\] org](mailto:skip@newtestamentschool.org)
774-644-3469

Falmouth, MA – 9:00 AM **Dec 11th**

W. Ben Fleck-K2LYE
[BenFleck \[at\] cape \[dot\] com](mailto:BenFleck@cape.com)
508-540-2583

Providence, RI – 7:00 PM **Dec 9th**

Louis Mester-W1CH
[W1CH \[at\] arrl \[dot\] net](mailto:W1CH@arrl.net)
401-263-6045



Coming FLEAS & FESTS

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

**Nothing scheduled for
December
in the ARRL Database.**

Answer: HAMMIN' AROUND

When using tactical identifiers, how often must you station transmit the station's FCC-assigned call sign? C. Every ten minutes



CLUB ACTIVITIES

BUSINESS MEETING

7 PM First Thursday of the month

SUNDAY RAGCHEW

7-11 AM SUN

MOST-OF-THE-TIME (call ahead)

LUNCHEON: 11:30 AM FRIDAYS

Meet at the clubhouse at 11:15 AM