



# ZERO BEAT

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



Since 1932

Volume 44 Issue 3

SEMARA-W1AEC

March 2008

## Random News Items

### BIRTHDAY DONUT



Dave Dean, K1JGV, extinguishes the candle on his birthday donut before January 26 Board of Director's meeting. How old is he? Let's just say he's overqualified for Medicare and leave it at that. *Best wishes, Dave.*

### BEGINNERS CW NET

3547 kHz 8:00 p.m. Mondays

I am starting a Beginners CW net on Monday evenings at 8:00 p.m. local time on 3547 kHz  $\pm$  QRM. The first call-up is on **March 3, 2008**. I am looking for a bunch of new operators, from both inside and outside SEMARA. So, if you would like to join in, then you are more than welcome!

The code speed should be around 10-15 wpm (or slower if needed - send QRS) to help the beginners to jump in, get their feet wet, and make some "mistakes" too.

Remember – **3547 kHz 8:00 p.m. Mondays**. We might have some experienced ops check in too to help. Any suggestions for a name?

*73 de Don, WA1BXY*



### HAPPY BIRTHDAY RAY, N1BBJ

One of our members, **Ray Dickinson, N1BBJ** celebrated his 90th birthday on February 25, 2008. Ray is from Middletown, Ct.

Sent in by *Ray, KB1EVX*

### 146.685 REPEATER ON

The 146.685 N1ZIZ Repeater in Plymouth is back on and is a new repeater. To access the repeater, there is a PL of 82.5 Hz. If anyone is in the area, or long range, give it a try. 146.685- offset PL: 82.5. It is still experiencing the "crunchies" but that will be resolved soon.



Sent in by *Eric, NIWCO*

## ZERO BEAT

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**Southeastern Massachusetts  
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 54 Donald Street,  
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 (508) 997-7070

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**EDITOR** Bob Kelley - K1KVV  
*E-Mail:* [editor@semara.org](mailto:editor@semara.org)

### 2007 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*

Mike Miller - N1ITQ

#### *Scholarship*

Larry Houbre, Jr. - AA1FS

#### *Technical*

Dave Goldstein - W1DJG

### SPECIAL COMMITTEES

#### *Activities*

Scott Szala - W1EV

#### *ARES/SKYWARN*

Rob Macedo - KD1CY

#### *New 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)>

That SEMARA is lucky to have so many dedicated volunteers. For instance, as reported by Dave, W1DJG, about the W1AEC repeater updates: “Rick, W1RJC, has reprogrammed the repeater controller and we now have Greg Jenson’s ID’s playing, new courtesy tones and all. And I just wanted to say THANKS to Rick for braving the cold with me. We both froze our &\$\$\$\$ off.”

Have you noticed how pro-active the BOD has been this year? It seems that adversity brings out the best in everyone, especially hams.

Want to have some fun on-the-air this month? Check out the new CW net on Monday evenings. Also look at the variety of contests that are listed this month. There is something for everyone: SSB, CW, and digital modes. And while you are at it, look into using the ISS as a repeater or working AO-16 (see p.5).

Take advantage of the early switch to Daylight time to work some DX — and don’t forget the WARC bands. When the contests drive you away from the ‘old’ bands, try 30-m CW and digital or 17-m and 12-m SSB, CW and digital.

## HAMMIN’ AROUND

**Question\* T1B06** Who is eligible to apply for temporary use of a 1-by-1 format Special Event call sign?

- A. Only Amateur Extra class amateurs
- B. Only military stations
- C. Any FCC-licensed amateur
- D. Only trustees of amateur radio club stations

**Question\* T1C03** Under what conditions are amateur stations allowed to communicate with stations operating in other radio services?

- A. When other radio services make contact with amateur stations
- B. When authorized by the FCC
- C. When communicating with stations in the Family Radio Service
- D. When commercial broadcast stations are off the air

**Question\* T1C10** When may a US amateur operator communicate with an amateur in a foreign country?

- A. Only when a third-party agreement exists between the US and the foreign country
- B. At any time except between 146.52 and 146.58 MHz
- C. Only when a foreign amateur uses English
- D. At any time unless prohibited by either government



# CLUB NOTES

**M**arch is a good time to start thinking about the good weather that is coming our way. Daylight Savings Time starts on March 9 this year: Spring ahead or you'll miss out on the Sunday morning donuts!

In addition to donuts, how about being more *radio active*? Since most contests are on the weekends, how about giving the contesters a few extra QSOs and working them with the SEMARA club station? You can do that on a Saturday or Sunday, after the rag-chewers leave? Let me know, I'll try to join you.

**C**ontinuing on, last month I asked some questions. To those that were once active, "What kind of club activities might have maintained your interest and involvement in the club?" To those who are active members, what kind of activities do you feel really sparks your interest?"

**H**ave you given any thought to mounting a real Field Day event? You know, throwing up an antenna and running your rig from emergency power. It does not have to be a big deal – only fun! We can do this at SEMARA to take advantage of the cooking set-up and the in-door plumbing.

Your feedback to [editor@semara.org](mailto:editor@semara.org) is always welcomed.

**T**hree applications for life membership were approved at the Feb. 7, 2008 business meeting.



**Robert Gomes, N1SVR**

**Matthew A. Paine, KB1OSV**

**Benjamin B. Jackson, N1WBV**

*Welcome to the club!*

## NEXT SEMARA VE SESSION

Saturday, March 1, 2008

10:30 a.m.

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



## LOCAL NET ACTIVITY

*Everybody, check in to these local nets!*

**2-m Roundtable "Camel" Net** is held *every evening* at 7 p.m. on the SEMARA Repeater, **W1AEC**, 147.000+ with a PL of 67.0 Hz.

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

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

**3868 kHz SEMARA Morning Net** is held *weekdays* from 7:30-8 a.m. Eastern.



**80-m Beginners CW Net** on *Mondays* at 8:00 p.m. on 3547 kHz. Code speed is 10-15 wpm, or slower as needed. Jump in and get your feet wet! **Don, WA1BXY** is net control.

## SUDOKU

**H**ere's something to keep you entertained while waiting for the net to start. Solution is on page 6.

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

# Meeting Minutes

The **February 7, 2008** business meeting was called to order at 7:05 p.m. by the president **Louis, W1CH**. The salute to the flag was followed by a roll call. A quorum of 18 members and two guests were present.

A moment of silence in remembrance of **Charlie, KD1DA** was observed.

**Secretary's Report (Tim, N1TI)** was accepted as amended in the February 2008 Zerobeat newsletter. The amended version corrected Treasurer's Report: "Net income for the month was \$1534."

**Treasurer's Report (Mike, KB1NB):** Income for the month was \$466.55. Our 1099 reflects interest earnings of \$1233.51. All CD's have been cashed. All funds on hand are liquid. Expenses included \$1524.55 for taxes. January rent and Netcom's share of the tax bill are still outstanding. Mike mentioned that a 1997 motion allocated 1% of the income for the SEMARA scholarship fund. An estimated \$2,390 is available to the scholarship committee. A motion to refer to audit passed unanimously.

## Standing Committee Reports

**Technical Committee (Dave, W1DJG):** Investing the possibility of adding a PTZ web camera that can be controlled by the members. Dave hooked up the club's Kenwood HF station to the computer for PSK and digital mode monitoring. He is looking for an 8-pin microphone connector to enable the transmit. W1EAV reminds everyone to ID when accessing the Echolink and IRLP nodes.

**Building and Grounds (Mike, N1ITQ):** Mike reported that he has had some recent health problems. He mentioned the need for cleaning supplies. A list of materials needed will be given to **Tim, N1TI** for purchase and reimbursement. Mike will also discuss with Jim Gilbert the cleaning schedule for the club.

## Special Committee Reports

**Ares/Skywarn: Rob, KD1CY** thanked the members for participation in recent weather events and related nets. He mentioned unfortunate passing of **Charlie, KD1DA** and the void he leaves in the club and New Bedford EOC. Rob will be asking New Bedford if interested SEMARA members can provide any assistance in the EOC operation. Rob reminded the meeting of upcoming events such as the Boston Marathon and an Advanced Emergency Communications Workshop in the Walpole area.

**Building/Renovation (Dave, K1JGV):** A lengthy discussion regarding handicapped access ensued covering the options to grade and pour a concrete ramp, wooden ramp or a mechanical elevator. Dave is continuing his research for a future meeting.

**Website (Tim, N1TI):** Website is up to date.

**Events (Bob, K1KVV):** Bob mentioned that no future radios events have been planned at this time. He reminded the meeting that Field Day is around the corner and if there is interest to let him know soon. **Mike,**

**N1ITQ** mentioned that he could bring in some Scouts to operate Field Day. Several members nodded in agreement to which K1KVV replied that we really don't have to wait for the special Kid's Day event to get kids involved in the club.

**Communications (Bob, K1KVV):** Bob submitted three new membership applications for ratification: **Robert, N1SVR; Ben, N1WVB; and Matt, KB1OSV**. A motion to accept these new members passed unanimously.

**President's Comments: Lou, W1CH** invited two gentlemen from Rhode Island to discuss membership affiliation with the ARRL (**Bob, W1YRC and Ed, K5RJE**)

**Old Business:** None

**New Business: Chris, W1EAV** proposed the possibility of SEMARA hosting a GMRS repeater system. **Tim, N1TI** mentioned that this motion was entertained by the membership a few years ago and was defeated. **Armand, W1BUG** reminded everyone that the membership previously voted to restrict hosting to amateur radio related activities. No motions were offered.

**Mike, KB1NB** moved to approve funding of pastries and coffees for 2008 events and meetings. Motion was approved unanimously.

**Mike, KB1NB** moved to hire a Licensed Site Professional to provide an independent assessment of the oil spill cleanup work as recommended by our attorney. Motion was approved unanimously.

**Mike, KB1NB** moved to maintain funding as necessary to retain Patrick Cook as our attorney. Attorney Cook has been extremely frugal in the \$3000 retained that was issued in November 2007. He has been instrumental moving the Netcom relationship in the right direction and is also working on the oil spill issues.

Recommendations from the recent BOD meeting were report by **Louie, W1CH**:

- **Tim, N1TI** reported that the membership roster has been removed from the web site temporarily to revise.
- Organize grounds cleanup.
- Club property inventory by B&G to determine sale, auction or disposal.
- Determination of removal of oil tank and furnace.
- One member suggested keeping the tank and making a BBQ grill out of it.
- Club door lock needs replacement as previously approved, B&G committee to take action.
- Internet bandwidth increased to the next level of service. Referred to W1DJG whose motion to increase

*(Minutes continued on page 6)*

# SEMARA NEWS

## BOD RECOMMENDATIONS

January 26, 2008 – 10:30AM-1:30PM

### Meeting attendance:

**Lou, W1CH; Mike, KB1NB; Dave, W1DJG; Dave, K1JGV; Tim, N1TI; and guest Patrick Cook** SEMARA's attorney; and various club members observing.

### BOD recommendations:

1. Allocate \$500 to hire services of LSP to obtain independent opinion of site condition to assist in legal case.
2. Allocate \$3000 to replenish attorney Cook's retainer.
3. Remove membership roster from web site until updated.
4. Put before the membership the idea the disposition of the oil furnace, desk at front of meeting hall and any other items deemed surplus. (Offer to member, auction, sale, etc.) in accordance with the constitution and bylaws.
5. Organizing a cleanup day in the spring to accumulate sellable scrap and items for landfill.
6. Club door lock change (previously approved) to be referred to building committee.
7. Increase level of service to improve internet performance
8. Purchase cleaning tools and materials to be referred to the building and grounds committee budget. Does not require membership action.
9. BOD recommends the creation of a committee to review membership issues and to make recommendations for adopting new membership process.

## VERTICAL DXING

*from the AMSAT Weekly Bulletin ANS-034*

<http://www.amsat.org>

For a little "vertical DXing", try the ISS cross-band FM repeater. The system is back up and functioning as of 6 Feb 2008.

The uplink is on 437.800 MHz and the downlink at 145.800 MHz. It is quite strong and can be heard well on a simple setup.

## PAVE PAWS INTERFERENCE MITIGATION

*The ARRL Letter - Vol. 27, No. 8*

*February 29, 2008*

**T**hanks to the cooperation and assistance of the involved repeater owners on Cape Cod, the Department of Defense has determined that the levels of harmful interference to the PAVE PAWS radar site on Cape Cod have been sufficiently reduced. As part of this determination, they are not rescheduling additional follow-up testing for that area until sometime in 2009."

This decision doesn't mean New England is back to pre-mitigation repeater operation: "Any mitigation steps that have been taken should remain in place. A repeater that has gone off the air should not be simply turned back on at its original power level - its previously determined mitigation standard still applies in order to protect the primary user from harm-

## AO-16 SATELLITE SERVES AS VOICE REPEATER

**L**aunched in January 1990, AMSAT-OSCAR 16 (AO-16), a digital satellite, has been unavailable for use while the command team dealt with a serious computer problem. The satellite has since been recovered, and is now a voice repeater, at least for an unspecified "test period" using FM voice on the uplink, but SSB voice on the downlink.

Tuning the downlink is just like on a linear transponder, meaning it is tight and with fast Doppler. Uplink tuning is not required, just as with the FM mode V/U satellites.

The uplink is 145.920 MHz FM, and the downlink is 437.026 MHz SSB +/- Doppler shift. Users are asked to restrict their uplink power to a reasonable power level, and not transmit without being able to hear the downlink. All general single-channel guidelines apply. Please submit reports via e-mail at, [aol16@amsat.org](mailto:aol16@amsat.org).

# More SEMARA News

*(Business meeting minutes continued from page 4)*

service to the next level for an additional \$35/month. Motion was approved unanimously.

- Recommendations to create special membership committee to review membership list and examine membership status and policies. Volunteers **Charlie, WA1JFD; Mike, N1ITQ;** and **Tim, N1TI** accepted positions on the newly formed committee.
- Recommendations to increase percentage of ARRL members to maintain our affiliation with the ARRL. Referred to newly formed membership committee.

**For the Good of the Club:**

**Dave, K1JGV** formed a “shingling party” to address the requirement on the north side of the club. We have four bundles on hand and as soon as the weather breaks in April, a date will be announced. Please sign up on the white board or contact Dave.

**Tim, N1TI** reported that the interference problems we have been experiencing have been escalated to the FCC and ARRL Amateur Auxiliary. Compelling technical evidence, recordings and witnesses have been gathered and submitted. Patience is encouraged until the FCC is able to take proper action.

Our two guests from the ARRL RI Section discussed the tremendous benefits for being an ARRL member. It was a very motivational talk that emphasized the point that the ARRL is much more than just a subscription to QST. Spectrum defense, BPL interference mitigation and technology advancement are but a few of the ARRL’s contribution to our hobby. The gentlemen were kind enough to donate two *ARRL Operating Manuals* to the club for a free raffle. **Tim, N1TI** won one, which he then donated to the SEMARA library. **Don, WA1BXY** won the second copy.

A motion to adjourn was passed unanimously at 8:35 p.m.

Respectfully submitted,

*Tim Smith, N1TI, Secretary*

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

## CHARLES W. PELLETIER, JR KD1DA, SK

Charles W. Pelletier, Jr., KD1DA, died suddenly on Jan. 19, 2008 at the age of 62.



**CHARLIE, KD1DA**

He was a long time member of the club having joined in 1989. He was a dependable VE and very active in New Bedford Emergency Management. He was a regular at the SEMARA meetings. Survivors include his cousins.

Our heartfelt sympathy goes out to Charlie’s family and friends.

## VP6DX ON 4 WATTS

*Propagation Forecast Bulletin 9 ARLP009*

**Joe Reisert, W1JR** of Amherst, New Hampshire wrote, "The last two weeks have been pretty exciting for DX'ers. The Ducie Island DXpedition operating as VP6DX gave us all lots of time for checking propagation over a reasonable distance. It also gave lots of moderate to down right small stations a chance to try out their gear and see if they could work a real rare DXCC entity.

I decided to see how well VP6DX was able to hear QRP. By the time they shut down, I had worked them on CW, SSB and RTTY all with only 4 watts at my transmitter. Next I tried different bands with QRP. When I finally worked them on a rare Sporadic E opening on 10 meters, I had a two way with them on all eight bands from 80 through 10 meters in less than 2 weeks. This was all done with a 3-el Yagi up 50 feet and only 4 watts at the transmitter.

My hat goes off to the superb VP6DX operation. It shows what can be done with a small station."

## MARCH VE SESSIONS

*Walk-ins permitted unless otherwise noted.*

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

**SEMARA Clubhouse — 10:30AM Mar 1**

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

**Braintree, MA — 8:45AM Mar 8**

**William Needham-K1WN**  
[K1WN@aol.com](mailto:K1WN@aol.com)  
 781-843-4000

**Canton, MA — 7:30PM Mar 20**

**Lou Harris-N1UEC**  
[N1UEC@Norwood-ARC.org](mailto:N1UEC@Norwood-ARC.org)  
 508-668-0858

**Cranston, RI — 9:00AM none**

**Ken Carr-KB1AWV**  
[KB1AWV@arrl.net](mailto:KB1AWV@arrl.net)  
 401-828-1665

**Fall River, MA — 7:00PM Mar 17**

**Skip Denault-KB1CNB**  
[skip@NewTestamentSchool.org](mailto:skip@NewTestamentSchool.org)  
 774-644-3469

**Falmouth, MA — 9:00AM none**

**Ben Fleck-W2LYE**  
[BenFleck@cape.com](mailto:BenFleck@cape.com)  
 508-540-2583

**Middletown, RI — 9:00AM none**

**Jack Garforth-K1IG**  
[K1IG@verizon.net](mailto:K1IG@verizon.net)  
 401-683-2250

**Providence, RI — 7:00PM Mar 13**

**Lou Mester-W1CH**  
[W1CH@cox.net](mailto:W1CH@cox.net)  
 401-263-6045

**Slatersville, RI — 9:00AM Mar 29**

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

## NE FLEA MARKETS

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

**Mar 8 Mt. Tom Rptr Assoc Feeding Hills, MA**

Cindy 413-568-1175

**Mar 15 Eastern CT ARA Pomfret, CT**

Paul 860-928-2456

**Mar 30 Flea Market, Southington ARA ..., CT**

Chet 860-628-9346

**Mar 30 Contoocook Valley RC Henniker, NH**

Jim 603-428-7436

## SOME MARCH CONTESTS

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

**ARRL International DX - 1.8-28 - SSB - 0000Z**

Mar 1 - 2400Z Mar 2. See [www.arrl.org/contest](http://www.arrl.org/contest).

**DARC 10-Meter Digital "Corona" - 28 - Dig -**

2200Z Mar 1 - 1200Z Mar 2. See [www.darc.de/referate/dx/cqdlcont/fgdcc.htm](http://www.darc.de/referate/dx/cqdlcont/fgdcc.htm).

**EA PSK31 Contest - 3.5-28 - Dig - 1600Z Mar 8 -**

1600Z Mar 9. See [www.ure.es](http://www.ure.es).

**North American RTTY Sprint - 3.5-14 - Dig -**

0000Z Mar 9 - 0400Z Mar 9. See [www.ncjweb.com](http://www.ncjweb.com).

**10-10 Mobile QSO Party - 28 - SSB-CW-Dig -**

0001Z Mar 15 - 2359Z Mar 15. See [www.ten-ten.org](http://www.ten-ten.org).

**Russian DX Contest - 1.8-28 - SSB-CW - 1200Z**

Mar 15 - 1200Z Mar 16. See [www.rdx.org](http://www.rdx.org).

**9KCC Contest - 21 - SSB-CW - 1200Z Mar 16 -**

1600Z Mar 16. See [www.9k2hn.com/9kcc](http://www.9k2hn.com/9kcc).

**Lighthouse Spring Lites QSO Party - 160-10 -**

SSB-CW-Dig - 0000Z Mar 20 - 2359Z Mar 30. See [arlhs.com](http://arlhs.com).

**BARTG Spring RTTY Contest - 3.5-28 - Dig -**

2200Z Mar 22 - 2200Z Mar 24. See [www.bartg.org.uk](http://www.bartg.org.uk).

**CQ WPX SSB Contest - 1.8-28 - SSB - 0000Z Mar**

29 - 2400Z Mar 30. See [www.cqwp.com](http://www.cqwp.com).

TI1B06 C. Any FCC-licensed amateur  
 TI1C03 B. When authorized by the FCC  
 TI1C10 D. At any time unless prohibited by either  
 government



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

## 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 -	67.0 <sup>1</sup>	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 -		K1KYI	Lincoln, RI
146.955 -	88.5	K1PBO	Dennis
<b>147.000+</b> SEMARA	<b>67.0*</b>	<b>W1AEC</b>	<b>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+	131.8 <sup>2</sup>	W1AQ	E. Prov., RI
147.345+	88.5	KB1QL	W Tisbury

\* IRLP-4347 & E-Link-44347

<sup>1</sup>IRLP-4617 & E-Link-4611; <sup>2</sup>173.8 required to use IRLP-4907

<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 -		KA1LMX	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

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

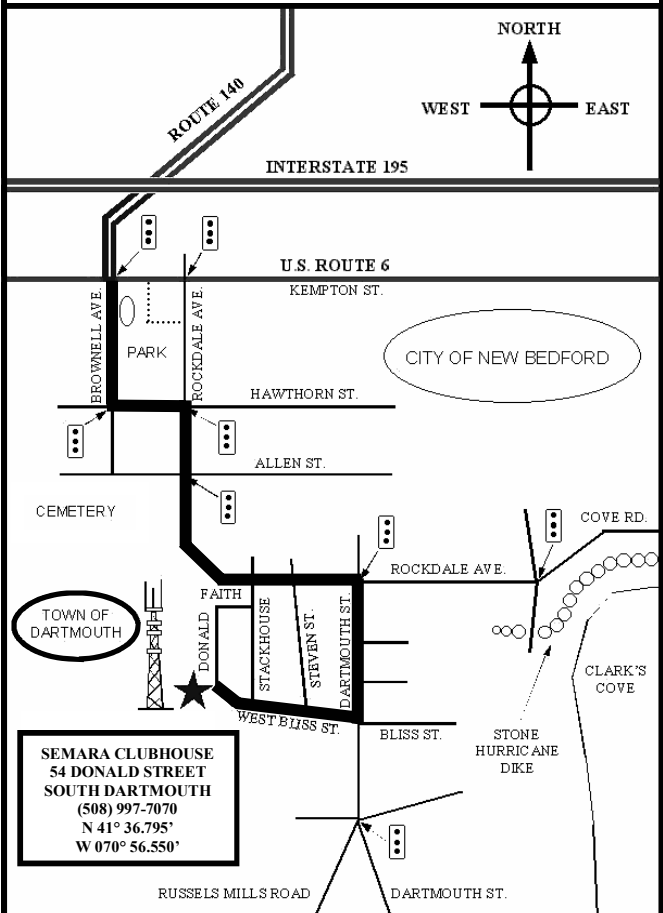
**FISTS CW no.10555**

Grid Coordinates: **FN41mo**

GPS Coordinates:

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

## Directions to SEMARA



**BUSINESS MEETING: 7 PM FIRST THURSDAYS**  
**RAGCHEW AT THE CLUBHOUSE: 7-11 AM SUN**

### — MOST-OF-THE-TIME ACITIVITIES —

**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** to decide which local restaurant is to have the honor of our presence that week