

ZERO BEAT

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



Volume 43, Issue 6

SEMARA-W1AEC

June 2007

June Club Events

KIDS DAY EVENT

1800Z-2400Z June 16, 2007

Every six months the ARRL sponsors this event to encourage kids (licensed or not) to enjoy Amateur Radio. It gives kids hands-on on-the-air experience. They might even develop an interest in getting a license. It also gives SEMARA a chance to show off our station and clubhouse to the kids.



MARY MACEDO AND MAT MELO DID KID'S DAY JUNE 2006

Initial exchange: Name, age, location and favorite color. The same station can be worked again if an operator has changed. No limit on operating time. Just call **"CQ Kid's Day."**

Suggested Frequencies: 28350-28400 kHz, 24960-24980, 21360-21400 kHz, 18140-8145 kHz,14270-14300 kHz, 7270-7290 kHz, and 3740 & 3940 kHz. 2-meter repeater frequencies with permission from the repeater sponsor. We need to observe third party traffic restrictions if we work DX.

Reporting: Post logs and comments (below).

Awards: All kids are eligible to receive a colorful certificate (it becomes our personalized sales brochure on ham radio). It is downloaded, customized with the kids' names, after we fill out the ARRL Kid's Day Survey at http://www.arrl.org/FandES/ead/kd-rules.html.

FIELD DAY

1800Z June 23-2100Z June 24, 2007

Be sure to mark your calendar for the ARRL Field Day event on June 23rd and 24th. We will most likely operate from the clubhouse grounds.



ROB, KD1CY, ENTERS HIS QSO DATA DIRECTLY INTO THE LOGGING PROGRAM
- FIELD DAY 2006 -

The event begins at 2:00 PM local time Saturday., and we can operate straight through until 2:00 PM on Sunday. Traditionally (for the past few years) we have operated into the late evening on Saturday and have picked up again on Sunday morning.

Perhaps we can do something a little different for 2007. We could bring our own [QRP] rigs and erect our own antennas and — are you ready for this? — operate free of the mains!!!

Of course we can enjoy a fine grill and beverages; but wouldn't it be fun to see how we as a club might meet a real emergency? If we wanted to get serious, there are several things we could do to get some points.

(Continued on page 5)

ZERO BEAT

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Website: http://www.semara.org E-mail: clubinfo@semara.org

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2007 SEMARA OFFICERS

President Lou Mester - W1CH Vice President Bob Kelley - K1KVV Secretary Armand Augustine - W1BUG Treasurer Mike McDonald - KB1NB **Board of Directors:** Marty Jordan - KA1YFV Ed Duclos - WA1ZCB John Carreiro - W1ZYV Trustees: (year term is up) Larry Houbre, Jr. - AA1FS (2008)-Ch Bill Vincent - W1POW (2009) Dave Dean - K1JGV (2010) Tim Smith - N1TI (2011)

Ed Duclos - WA1ZCB (appt. 2007) **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
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>

that we have some talented people in the club. Look at the job done by Wayne, WA1CCM on the new W1AEC sign in front of the clubhouse.



This reminds us all that we are celebrating our 75th year as a club. Let's all honor those who went before us. We are truly standing on their shoulders.

POINT TO PONDER

"You get the best out of others when you give the best of yourself."

~Harry Firestone

HAMMIN' AROUND

Question* G8A10 How should the microphone gain control be adjusted on a single-sideband phone transmitter?

- A. For full deflection of the ALC meter on modulation peaks
- B. For slight movement of the ALC meter on modulation peaks
- C. For 100% frequency deviation on modulation peaks
- D. For a dip in the plate current
- 2004 General Class (Element 3) Question Pool (good thru 2008-06-30) Answer on page 7



June is the month for lots of radio activities. Do you know anyone who just made their first Amateur Radio Contact? If so, go to the ARRL First Contact Awards page http://www.arrl.org/FandES/ead/award/certificate/1contact.html and just fill in the details. A beautiful certificate will be sent out.





O ne application for life membership was approved at the May 3, 2007 business meeting:



Welcome to the club!



passed the General written exam at the VE session on May 5, 2007. They were:

John J. Braz, Jr - N1IQU

Antone D. Duarte, Jr – N1XRS

Carlos A. Matos – NB1NAS

Steve F. Silvestre – K1XTB

Job well done!

Enjoy your new privileges!



SEMARA VE SESSION

Saturday, June 2, 2007 10:30 a.m.

Contact: Larry, AA1FS <u>LRHguy@earthlink.net</u> 508-991-6055





LOCAL NET ACTIVITY

Please support these local nets by checking in!

2-m Roundtable "Camel" Net is held *every evening* at 7 p.m. All are welcome to join in on the SE-MARA 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. This informal net discusses everything from antennas to the weather and band openings.

10-m USB Net is held *Tuesdays* at 8:30 p.m. on 28.490 MHz. **Bob, N1HCW** (Acushnet) is net control. This informal net welcomes everyone, especially those new to HF. Experience the daily band openings.

3868 kHz SEMARA Morning Net is held weekdays from 7:30-8 a.m. Recent check-ins included Whitey, K1VV and Randy, W1RTF. All are welcome, especially those from outside the area.

SUDOKU

ere's something to keep you busy while waiting for the 10-m net to start. **Solution is on page 7.**

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AMATEUR NEWS

QSO EFFICIENCY

ARRL Contest Rate Sheet for May 16, 2007 Edited by Ward Silver NOAX

Mark KO1U wrote to discuss sending his call extra times when operating QRP. It is suggested that he only send it extra times when the responding station gets the call wrong or asks for a repeat. For example,

NOAX: CQ Contest from NOAX

KO1U: KO1U

NOAX: KM1U you are 59 WA

KO1U: KO1U

N0AX: KO1U you are 59 WA *KO1U*: Roger, you are 59 MA

NOAX: Thank you, QRZ Contest from NOAX

That keeps the amount of excess information to a minimum so that the rate for both stations is maximized.

Don't send your exchange back before the other station gets the call correct because sending your exchange is a tacit acknowledgement that no correction is needed.

And speaking of excess information, there is no need to add "/QRP" to your call sign in a contest, unless QRP stations count extra, and rarely even then. Adding the extra characters just makes it harder to copy your call correctly.

HOW BIG IS THAT SIGNAL, REALLY?

We all know that S-meters vary in sensitivity from rig to rig, but how much do they vary, really? Greg W8WWV decided he would find out! He measured the S-meter sensitivities and calibrations of eight different radios and posted the results for us to enjoy and ponder: http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/SMeterBlues.htm

In case you're interested, the IARU recommendation is also online http://en.wikipedia.org/wiki/
S_meter.

CARE FOR AN AMUSING PROJECT?

Take a look at the Strange Antenna Challenge: http://www.n0ew.org/k0s/k0s_2007/ k0s_2007.php, sponsored by Erik N0EW and Dwayne WB5PLJ. I'm sure the creative minds of my readers will find this amusing and stimulating.

NEW HF OPERATORS - THINGS TO DO

ARRL Contest Rate Sheet for April 04, 2007
Edited by Ward Silver NOAX

Mark KD4D points to an excellent introductory-level
Contesting FAQ just right for newcomers to HF contesting. http://www.qsl.net/zs1an/contesting faq.html

Mark N7MQ recommends the introduction to contesting by Mark ON4WW - click on Operating Guide on first page of site. http://www.on4ww.be/
OperatingPracticeEnglish.html. This should also point out just how "world-wide" the HF contesting community can be!

LOOK UP ELECTRONIC PARTS DATA

Jim N5SPE reminded me of this very useful Web site to look up data on electronic parts. Just type in your 'part number' and hit the Search button. Put that URL in your browser's Favorites list to save the day! http://www.datasheetarchive.com.

TREES — Although counterintuitive, it is true that a tree gets taller by growing at its top, not by extending its trunk along its length. I.e. branches do not move farther apart as the tree grows. In addition, a tree grows thicker as it grows taller. Eventually anything attached to the trunk will eventually wind up inside the trunk. Many species of conifers will "bury" nails, fencing, forest service telephone wires, etc. within just a few years.

Food for thought as we eye those leafy antenna supports in our back yards. (Thanks, Don N8DE and Brent K7MEI)

QRP CONTESTING enthusiasts will be pleased to learn that there is a contest calendar just for them. Ken N2CQ publishes a QRP-specific calendar on the American QRP Club Web site. http://www.amqrp.org/contesting/contesting.html.

SCARBOROUGH REEF PHOTOS ..

Bob K1VV exclaims WOW !!!!!!!!!!!

Take a look at these!!!

http://www.scarboroughreef.com/4rocks.html.

SEMARA NEWS

TAKING A VACATION?

With the technology the way it is today we can very easily take our Amateur Radio along with us while on vacation. Of course most of us will have 2 meters and 70 centimeters in our vehicles for getting road conditions, directions, and making new friends along the way. Many of us may want to do more. Some of us may even leave our stations at home and work them via remote control from wherever we may happen to be using our laptop computer on our vacations. Thinking about doing this? Check out the April, 2007 QST for more information on the details.

Gosh! How about a mini DXpedition to some otherwise not used much location. For the county hunters it maybe something as simple as pulling off the road and making some contacts from a county that not many people operate from.

For Island hunters it could be some island you boat to while on that well sought after summer vacation. Check this out a head of time though because you may need to get permission to operate from some of the island locations.

Ah! Yes! Then there are those who might like to operate from that dry-docked ship's radio room. there are a few around that actually have Amateur Radio Clubs keeping the radio rooms on the air on the ham bands.

Don't forget the power of one either. You may be the only one in a certain town's summer festival and might have the opportunity to put a special events station on the air just for that celebration.

Maybe you're a railroad fan and are taking an old style train trip across the country. What better place to set up a station and talk to hams as you chuga chuga choo choo along the country side listening to the clackdiclack of the wheels on the track.

Then there are the real outdoors people in their canoes or backpacking out in the wilds. That QRP rig with a couple of batteries doesn't weigh too much and a dipole antenna all rolled up doesn't take up much space in the pack either. Sitting by a crackling campfire in the dark of night out in the middle of the woods operating a little QRP CW can be kind of neat way to spend the evening while relaxing after all that paddling or walking.

73 & DX from K0HLA, Avery Handiham E-Newsletter $(Continued\ from\ page\ 1$ - $Field\ Day)$

Here's a check list of sorts.

- 100% Emergency Power
- Media Publicity: Send a press release to the Standard-Times or Channel 6
- Public Location?
- Public Information Table with handouts about Ham Radio
- Message Origination to Section Manager: A single NTS message is worth 100 points
- Message Handling: 10 points each up to 100 points max
- Satellite QSO?
- Alternate Power solar panel and a battery?
- W1AW Bulletin: 100 points for copying the special bulletin
- Non-Traditional Mode Demonstrations: APRS etc.
- Site Visitation by an elected governmental Site Visitation by a representative of an agency GOTA Station (Get On The Air)
- Web submission of Field Day log
- Field Day Youth Participation

Check out the ARRL Field Day Rules at

http://www.arrl.org/contests/rules/2007/fd.html.

THANKS TO WAYNE, WA1CCM



Have you seen the new signs? They really set SE-MARA off from the ordinary! This is the replacement street sign.

~Bob, K1KVV



May 3, 2007

Call to order:

by Louis-W1CH at 7:03 PM.

Roll Call:

Members present -45, Guests present -1 guest.

Secretaries Report: (**Armand-W1BUG** was absent) A **motion** *to accept as posted on the website* **passed** unanimously.

Treasurer's Report: Mike-KB1NB read the report. A motion to refer to audit passed unanimously.

Standing Committees

Building and Grounds: Mike- N1ITQ reported that it is time to start cutting grass. He had a successful soda run – we are now overflowing with soda!

Technical Committee: Dave-W1DJG reported that the remnants of the R5 vertical antenna and the pole need to be taken down – possibly when the Quonset hut is razed.

Scholarship Committee: No one present to report. **Special Committees**

ARES/Skywarn: Rob-KD1CY reported that the P3 Hurricane Hunter aircraft was a success. A good time was had by all. A Skywarn education and training session is Thursday, June 14 at the Acushnet Community Center from 7-10 PM. Next MMRA exercise is on Monday, May 7, between 7 and 9 PM. The Fairhaven 145.490 repeater may be linked. RACES exercise before the exercise on the Taunton repeater, 147.135, PL 67.0.

Communications: Bob-K1KVV reported sending a letter to Al Costello (Network Wireless Facilities, Inc.) about reinstalling the protective fence around the perimeter of the leased tower area for security and liability purposes.

Ratification of New Applicants: One application was received.

Donald Rosinha II – WA1BXY A **motion** *to accept* **passed** unanimously.

Presidents Comments: none.

Old Business:

The broken keyer will be auctioned immediately after the meeting..

New Business:

Henry-W1GYL made a motion to have a 440 repeater in the club that passed 22 to 12.

Dave-K1JGV called for a vote to show preference for either **Option A** or **Option B**.

Option A Raze present structures and erect a 48' x 48' metal building in its place.

Estimated total cost is \$60,000, including removal, slab, permits and the like.

Carl-K1KID reported that he has a quote of \$48,000 for just the building.

Option B Raze the Quonset hut and erect a 20' x 20' wood radio shack.

Estimated total cost is \$33,000, including removal, slab, permits and the like.

Note – the (objective) inspection of the present building, which cost us \$350, states the building is 95% good. It needs some work, such as new roof, gutters, vents and such, for an estimated cost of \$15,000.

The members voted their preference by a show of hands. **Option A** = 5 and **Option B** = 22. The New Building Committee will proceed with **Option B**.

For the Good of the Club:

Chuck-KD1DA reminded everyone that holding Field Day off the grounds requires lead time to get the needed permits.

Rob-KD1CY remarked that tonight's meeting showed how much progress we are making and are moving forward.

Dave-K1JGV wished to recognize **Rob-KD1CY** for his efforts in suggesting the path taken by the New Building Committee.

Nominations for Board of Trustee Vacancy: John-WA1ESO withdrew his name before the meeting

Two were nominated before the May meeting began. A written ballot was cast with the following results:

Charley Days-WA1JFD 10
Ed Duclos-WA1ZCB 22
Write-in 1
Total votes cast 33

Ed-WA1ZCB will serve out the remainder of Bill Miller's term as Trustee (2007).

Meeting Adjourned at 8:20 PM.

Respectively Submitted **Bob-K1KVV**, Secretary Pro Tem

JUNE VE SESSIONS

Walk-ins permitted unless otherwise noted.

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

SEMARA Clubhouse — 10:30 a.m. 2 June Larry Houbre-AA1FS <u>LRHguy@earthlink.net</u> 508-991-6055

Braintree, MA — 8:45 a.m. none William Needham-K1WN K1WN@aol.com 781-843-4000

Canton, MA — 7:30 p.m. 21 June Lou Harris-N1UEC N1UEC@Norwood-ARC.org 508-668-0858

Cranston, RI — 9;00 a.m.

Ken Carr-KB1AWV

KB1AWV@arrl.net

401-828-1665

Fall River, MA — 7:00 p.m. 18 June Skip Denault-KB1CNB skip@NewTestamentSchool.org 774-644-3469

Falmouth, MA — 9:00 a.m. 9 June
Ben Fleck-W2LYE
BenFleck@cape.com
508-540-2583

Middletown, RI — 9:00 a.m. 9 June Jack Garforth-K1IG K1IG@verizon.net 401-683-2250

Providence, RI — 7:00 p.m. 14 June Lou Mester-W1CH W1CH@cox.net

401-263-6045

Slatersville, RI — 9:00 a.m. none
Robert Jones-WB1P

WB1P@arrl.net
401-333-4787

B. An overmodulated signal is distorted and difficult to understand. This can cause a signal with excessive bandwidth that gives interference to nearby signals - splatter. Setting the mike gain control too high or overprocessing the signal with a speech processor can cause overmodulation. Set it so there is a slight movement of the ALC meter on modulation peaks.

NE FLEA MARKETS

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

1. Hampden Cty Radio Assn Feeding Hills, MA

David — 413-596-6605

2. **Pine State ARC** Hermon, ME Roger — 207-848-3846

3. **Newington ARL** Newington, CT

George — 860-289-1445

16. **Southern Berkshire ARC** Goshen, CT

Lee — 860-435-0051

17. **Flea** @ **MIT** Cambridge, MA Nick — 617-253-3776

SOME JUNE CONTESTS

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

Look Around in the Field Contest – CW/SSB 1600Z-2200Z Jun 2. Information: http://mysite.verizon.net/vze7v384/nj2om/index.html.

ARRL June VHF QSO Party – from 1800Z Jun 9-0300Z Jun 11 (see May QST, p 102 or http://www.arrl.org/contests).

Portugal Day Contest – SSB 0000Z-2400Z Jun 9. Inform a t i o n : http://www.rep.pt/pdf/contest_portugalday.pdf.

Kids Day Operating Event – 1800Z-2400Z Jun 16 (see http://www.arrl.org/FandES/ead/kd-rules.html).

SMIRK QSO Party – CW/Phone 0000Z Jun 16-2400Z Jun 17. 6 meters only. No repeater QSOs. Information: http://www.smirk.org.

ARRL Field Day – 1800Z Jun 23-2100Z Jun 24 (see May QST, page 98 or http://www.arrl.org/contests).

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6	8	9	9	7	Þ	L	l	3
3	l	7	L	8	9	6	7	G

EMARA U HandiHam Affliate

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				
		_ 144					
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^{1}	W1SMA	Fairhaven				
146.655 -	88.5	WA1GPO	Falmouth				
146.685 -		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				
147.000+ SEMA		W1AEC	Dartmouth				
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+	173.8^{2}	W1AQ	E. Prov., RI				
147.345+	88.5	KB1QL	Vineyard				
* IRLP-4347 & E-Link-44347							
1							

¹IRLP-4617 & E-Link-4611; ²required for use of IRLP-4907

		— 440 ———	
441.350+ 442.200+ 442.350+ 442.950+ 443.450+ 443.500+ 443.750+ 443.800+ 443.850+ 444.250+ 444.250+ 444.250+ 447.025 -	103.5 88.5 67.0 82.5 ⁵ 88.5 141.3 ⁵ 118.8 88.5 ³ 141.3 141.3 141.3 88.5 88.5 77.0 ⁴	KA1RCI KE1AK WG1U K1RK K1MYL K1PBO N1YHS W1SMA* AA1PL WA1GPO W1ACT W1MV N1JBC	Providence, RI Fall River Plymouth Barnstable Westport Dennis Bourne Dartmouth Exeter, RI Falmouth Fall River Bridgewater Johnston, RI
447.075 -	88.5	N1DZD	Kingston
447.075 - 449.175 -	88.5 100	N1RMH	Plymouth
449.275 - DP	L 244 4259: 41RI	W1WNS	W. Bridgewater

440

IRLP-4259 & E-Link-42 OFF THE AIR *

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 Thursday of month **Ragchew at the clubhouse:** 7-11 AM Sundays

MOST-OF-THE-TIME ACITIVITIES

EARLY BIRD BREAKFAST: 6 AM T & TH

The Symposium

851 Mount Pleasant Street, New Bedford

CLUB COFFEE MEET: 1 PM WEEKDAYS

Boston Coffee & Bagel

122 Allen Street (corner of Dartmouth Street) New Bedford

LUNCHEON: 11:30 AM FRIDAY

Meet at the clubhouse at 11:15 AM to decide which local restaurant is to have the honor of our presence that week