



# ZERO BEAT

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



OUR 69th YEAR

Volume 37, Issue 6

SEMARA W1AEC

June 2001

## FREDERIC BACON, K1FSU, DONATES MAGAZINES AND RADIO EQUIPMENT TO THE CLUB

**F**rederic Bacon, K1FSU, of Marion, MA, recently donated a large collection of QST, 73, Ham Radio, and CQ magazines to the club. Some years were in binders. This donation couldn't have arrived at a more fortuitous time as the club librarian **Joe Demers, N1MVY**, is in the midst of cataloging all the club's magazines.

Additionally, Fred donated a large amount of cable, test equipment, parts, and radio gear for use by the club. A complete list of all the donated items is posted on the right. This major donation caught the club's officers by surprise as Fred isn't a member of the club. In appreciation of his large donation to the club, Fred shall receive a monthly copy of the club's newsletter **ZERO BEAT**.

"*Thank You!*" Fred for the generous donation.

## K1FSU's DONATION

Radio magazines 1960 to 1980, several years in binders  
10 Amateur Radio Handbooks from the 60s and 70s  
Coaxial and other assorted cables  
Assorted resistors in individual envelopes  
Pencil embossing machine  
Radio tubes (1 box loose, one box in cartons)  
Alliance antenna rotator with control box  
Microwave Devices model 706N Power meter  
Tecraft model 220 VHF converter  
General Radio type 102-J decade resistance box  
Lafayette SWR bridge  
Heathkit model IN-3127 decade capacitor box  
Heathkit model IN-3117 decade resistor box  
Heathkit model IP-272B variable power supply,  
1 to 15 V, 1/2 ampere maximum  
ECM, Inc. model ECM-5B FM Deviation meter

## MEMBER'S ONLY RAFFLE SET FOR JUNE 7th MEETING



**A**s approved at the last business meeting, an ICOM W32A dual-band handheld transceiver (2M/440) was purchased and will be raffled off at the June 7th business meeting. Tickets are only \$5 each and you may purchase as many tickets as you desire. Members unable to attend the meeting and wishing to purchase tickets should send a check in any multiple of \$5 to the club. **Send checks NOW!** Checks arriving after the raffle shall be returned. Just prior to the drawing the Treasurer shall purchase tickets for those members unable to attend and shall write the call letters of the purchaser on the stubs. This shall be done in full view of the membership. The drawing will then proceed and should a member not present win they will be notified by E-Mail or letter. An absentee winner must make arrangements to pick up the radio. *Good Luck to all!*

**FIELD DAY  
SEE PAGE 6**

# ZERO BEAT

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

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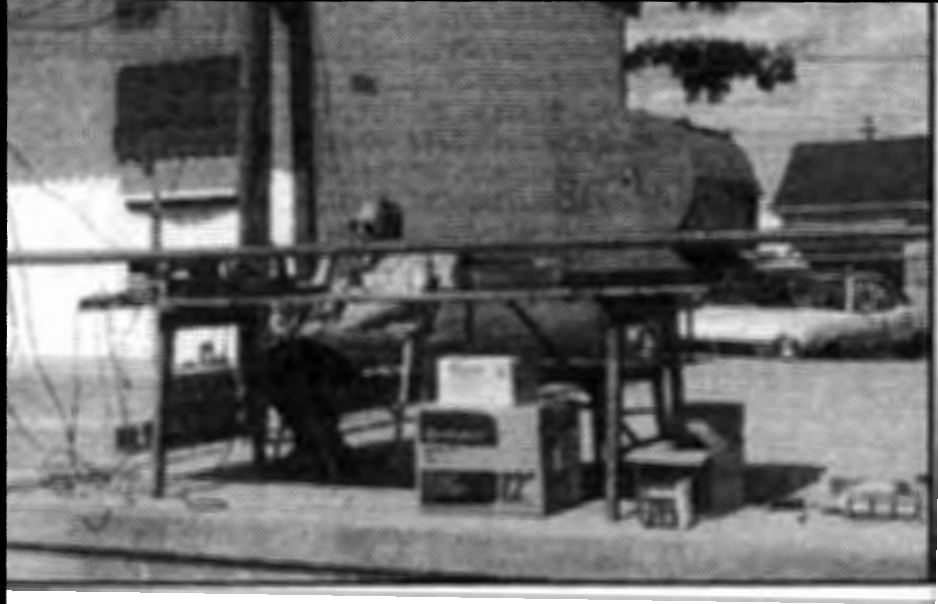
\*\*\*\*\*  
**ADVERTISING**

**Commercial ads** the size of a business card will be accepted. Rates are \$5.00 for one insertion, \$20.00 for six insertions, and \$35.00 for twelve insertions.

**Non-commercial ads** up to forty words in length will be accepted. Rate is \$3.00 for one or \$12.00 for six insertions. Club members have one free non-commercial ad per month.

\*\*\*\*\*  
 THE DEADLINE FOR  
 SUBMITTING ARTICLES FOR  
 PUBLICATION IS THE 15TH  
 OF THE PRECEDING MONTH.

# REMEMBER WHEN?



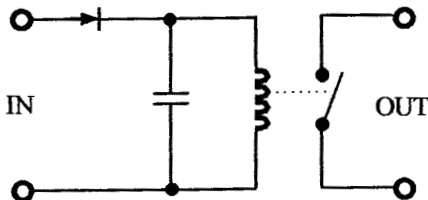
# 1980 FLEAMARKET

**B**ill Pierce, K1YMW, (now K1LP) mans the talk-in radio and PA system at the Stackhouse Street Fairgrounds during the last club Flea-market held there. The big raffle drum that we use to this day is on the right side of the table. Under the table are two of the prizes - a 12" Hitachi TV and a burglar alarm.

Old timers will recall the fun-filled days at the Stackhouse Street Fairgrounds. We had dog shows, magic shows, tug-o-wars, and all sorts of entertainment in addition to the fleamarket sales area. Those events were equal parts party time and fleamarket. One year we gave away 100 prizes by running what was billed as a Giftola Raffle!

The days at the Stackhouse Street Fairgrounds came to an end in the early 1980s when the club filled in the area behind the clubhouse to provide room for the fleamarket on our own property. Each year has witnessed an improvement in the fleamarket operation on the club's property. In fact, this year we shall offer a major door prize - an ICOM W32A handheld dualband radio (2m/440). It just gets better each year!

## NAME THAT CIRCUIT



- 1.) Time delay on pickup relay
- 2.) NC delay relay
- 3.) Pulse differentiator relay
- 4.) Time delay on drop-out relay
- 5.) Solid state driver relay

ANSWER - See page 7

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*"I want to find a voracious,  
 small-minded predator  
 and name it after the IRS."*

*Robert Baker, paleontologist*

# MEETING MINUTES



The May business meeting was called to order at 7:04 pm by President Bill Miller, K1IBR. Twenty-eight members were present. Following the salute to the flag and roll call, the Secretary's and Treasurer's reports were read and accepted.

*Committee reports -*

**Technical** - Interference plaguing our repeater has spontaneously gone away. A band-pass cavity was installed in the receiver line as a precaution against desense. The turn-on delay is now back to normal.

**Buildings and Grounds** - Chairman Andy Reuter reported that thanks to Scott Szala we have a large load of screened loam to repair low spots in the yard.

**Scholarship** - No report.

**Constitution** - Work ongoing. Copy of our constitution on file with the state to be ordered. Upon its receipt we shall compare it with new constitution and work out any differences.

**Field Day** - Scott Szala asked members interested in helping out on Field Day to sign sheet posted on bulletin board.

**Fleamarket** - Telephone poles to support tent being erected! Tarp to be ordered this month.

**Communications** - A note from Larry Houbre reminding members of upcoming YMCA event at children's museum read. Sales literature from the Ham Radio Callbook posted on bulletin board.

**Ratifications** - Robert B. Kelley, K1KVV, accepted into the club's membership. *Welcome Bob!*

**Old Business** - The upcoming trip to the ARRL and the dual-band radio raffle were discussed. The trip to the ARRL shall be by carpool. A motion sanctioning club involvement in the YMCA event at the Children's Museum was passed.

**New Business** - The following motions were made and passed:

1. Motion to approve all Board of Directors recommendations. (Norm Riley offered to donate a wheelbarrow to the club - see item #3.)
2. Motion to purchase a Hi-Power amplifier for repeater (\$1,500).
3. Motion to purchase grass seed for yard (\$50).

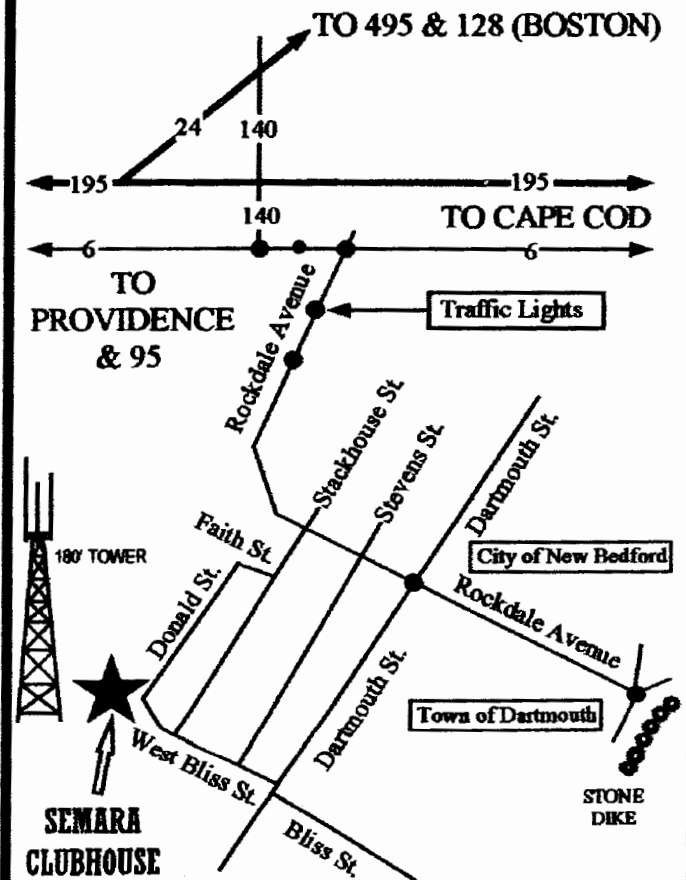
*For the good of the club* - Ed Blouin, KA1AW, donated a bag of Scotts +2 (fertilizer and weed killer) to treat the grass in the yard. Cancellation of Red Cross Tech-Talk was discussed - a video on the BIG DIG will be shown instead.


The meeting adjourned at 8:12 pm.

## BOARD OF DIRECTOR'S RECOMMENDATIONS

1. Print and mail a Special Edition of ZERO BEAT to all area amateur radio operators. (\$270)
2. Offer a "Membership Special" in the Special Edition of ZERO BEAT - \$10 will pay dues through 2002.
3. Purchase a wheelbarrow for club use. (\$60)
4. Purchase storage bins for magazines in library. (\$100)
5. Purchase heavy-duty tarp to make tent in back yard for Fleamarket and other use. (\$300)
6. John Lima donations: sell McElroy key on E-Bay, sell audio filter and British key at Fleamarket, keep Ten-Tec transceiver and Dentron tuner.
7. Purchase battery charger for main building use. (\$80)
8. Recommend all future donations of equipment be saved for sale at Fleamarket.
9. Purchase ICOM W32A for Fleamarket door prize.
10. Purchase ICOM W32A for in-house raffle.
11. Set in-house raffle ticket price at \$5 each.

## DIRECTIONS TO CLUB



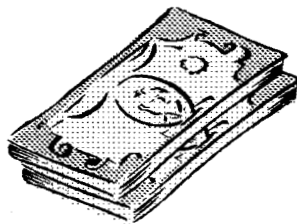


# CLUB NOTES

**J**une is the transitional month between spring and the hot, balmy days of July and August. Flag Day falls on Thursday the 14th, followed by Father's Day on Sunday the 17th.



**B**ill Vincent, W1POW, won the 50/50 cash raffle prize at the '76 RIFMRS Fleamarket held May 19th in Forrestdale, RI. Bill treated **Dick Simpkin, WA1CRA**, and **Bill Miller, K1IBR**, to roast beef sandwiches at Arby's on the way home...

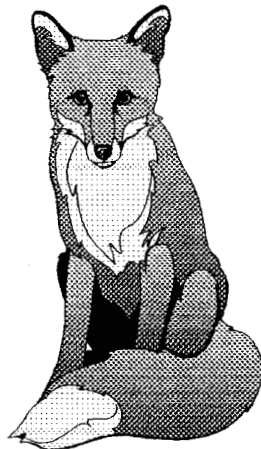


**CONGRATULATIONS BILL!**

**C**lub member **Marcia Forde, KW1U**, of Edgartown, MA was appointed the new Chair for the NTS Eastern Area Staff of the ARRL National Traffic System. An article and picture of Marcia and her husband **Terry, N1MLO**, is on page 90 of the May issue of QST. *Congratulations, Marcia!*



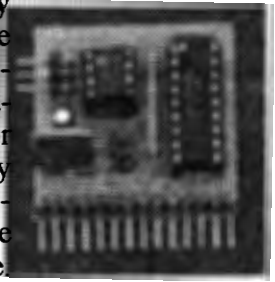
**B**ob Metivier, N1XZJ, and **Henry Blanchett, W1GYL**, made the national scene on page 35 of the May issue of CQ. The article subtitled "Foxes Outwit Themselves" describes the night Bob and Henry got locked in the New Bedford sewage treatment plant! A full two page write-up complete with pictures can be found in the April 2000 ZERO BEAT article titled "March 9th Fox-hunt Declared Invalid!"



**M**embers are reminded that all parking spots in front of the clubhouse are for handicap parking only. Please do not park in those reserved spots unless you have a handicap license plate or window card.



**O**n April 19th, **Larry Houbre, AA1FS**, gave an informative and interesting Tech-Talk about the Basic Stamp Microprocessor and its applications. Larry discussed some of the applications where he used the Basic Stamp to advantage. *Thanks Larry for the great presentation.*



**R**obert B. Kelley, K1KVV, was voted into the club membership during the May 3rd business meeting. Bob teaches computer programming at Rensselaer Polytechnic Institute weekdays and spends his weekends in Marion, MA. *Welcome to the club, Bob!*

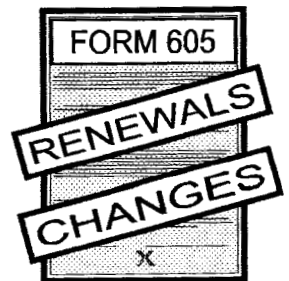


**K1KWV**

**D**ick Simpkin's XYL **Hilda** donated an old fashioned straw dispenser to the club. Recently during a visit to the club she couldn't find a straw to drink with, so when she spotted the dispenser she bought it for the club. *Thanks Hilda!*



**M**embers are reminded that a wall rack filled with VEC Form 605s has been installed by the bulletin board near the kitchen area. **Completed forms must be processed through the club's VE team.** (The FCC will send the VEC form back if you mail it to them.)



# ARRL FIELD TRIP A SUCCESS!

On Monday, May 14th, at 9 am sharp, seven club members headed off from the clubhouse to the ARRL Headquarters in Newington, CT. Four rode in Pete Ryder's van, and three in Bill Miller's car. Simplex radio communications was established on 2 meters to coordinate the trip.

Midway through the ride the call of nature came through at S-9. (S-9+ for one rider) Both vehicles quickly pulled into a Dunkin Donuts shop near Pomfret, CT to heed the call. The S-9+ rider shot into the donut shop like a bat out of hell. And hell it was. There was no restroom in the donut shop. Fortunately there was a McDonalds just down the road. Disaster (and embarrassment) was averted...

Arriving in Newington, CT, the group got a quick bite to eat at a Subway sandwich shop and then headed on to ARRL Headquarters. The first order of business was a group picture next to the ARRL main sign. As the group approached the sign it started to sprinkle! It doesn't show in the picture, but a light drizzle is falling. After traveling three hours you take the picture come hell or high water.

After we all signed the official visitor's book in the ARRL main lobby, our congenial tour guide Jo-Ann greeted us and took us through the whole building, department by department. There was something for everyone. Technical buffs found the testing and design lab interesting. Contest buffs found the contest office and QSL sorting room fascinating. Everyone found the mailing room awesome. It is huge! Mail comes and goes literally by the ton.

After the extensive tour of the Headquarters build-



## ARRL MAIN SIGN WITH W1AW IN BACKGROUND

Shown are club members Dick Houghton, Dave Dean, Al Dulong, Ray Arruda, Andy Reuter, and Pete Ryder.

ing was completed, we were guided through the W1AW building. There are several operating rooms fully equipped with fantastic radios, as well as the main transmitting room where the official bulletins and code practice sessions are aired from. A nifty certificate attesting to the fact you visited the W1AW building was yours for the asking.

After the visit, everyone agreed it was a most interesting field trip. To top off the day, the crew stopped at Lentini's Radio just down the road from the ARRL Headquarters. It was a fun filled day enjoyed by all.



DAVE DEAN IN THE QSL SORTING ROOM



RAY ARRUDA AT THE W1AW MIKE

## FIELD DAY - JUNE 23 & 24 AT THE CLUBHOUSE

**SATURDAY** - noontime (setup), 4 - 6 pm cookout, break at 10 pm

**SUNDAY** - 6 am until noontime (teardown)

**F**ield Day will be held at the SEMARA clubhouse this year. The focus will be on having a fun time and introducing new hams to Field Day operations. Saturday will be occupied setting up and kicking off the event, along with a late afternoon cookout. There are no planned operations from 10 pm Saturday to 6 am Sunday unless someone wants to "man the station." Please sign the Field Day sheet on the bulletin board by June 15th indicating times you plan to operate the station and if you will take part in the cookout. We need to know how many plan on attending the cookout so that sufficient food supplies are secured.



## Westport Women's Club visits SEMARA

**T**he Westport Women's Club held a Mystery Ride on May 16th and our club was the destination. Club President Bill Miller, K1IBR, welcomed the women to the club and gave a brief history of the club and amateur radio. Next a video on Lincoln Park loaned by club member Bob Metivier, N1XZJ, was shown. After the video, Bill conducted a tour of the club. Several of the women mentioned they knew ham radio operators and one even knew a member of the club.

## NEXT SEMARA VE SESSION

June 2, 2001

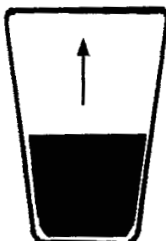
10:30 am

SEMARA Clubhouse

## LOCAL VE SESSIONS IN JUNE

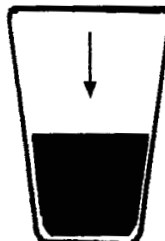
- 09 Falmouth, MA**  
Ben Fleck  
508-540-2583
- 11 Brookline, MA**  
Bob Wondolowski  
508-865-5822
- 14 Providence, RI**  
Judy Nelson  
401-231-9156
- 16 Marlborough, MA**  
William Wade  
781-891-9079
- 20 Cambridge, MA**  
Nick Alterndbernd  
617-253-3776

## UNDERSTANDING ENGINEERS



**OPTIMIST**

"The glass is half full."



**PESSIMIST**

"The glass is half empty."



**ENGINEER**

"Hey, this glass is twice as big as it needs to be!"

### TECHNICAL TIPS

1. For extra security when using plastic ties, leave a little stub of plastic protruding from the latch end and melt it down with a soldering iron.
2. Extend the life of lamps used in old equipment by adding a small resistor in series with the feed. Applying 11 volts to a lamp instead of 12 volts extends the life about 50%!
3. Turn any nut into a captive nut by covering the nut and the threads that extend out of the nut with hot glue from a glue gun.
4. Screw stuck on a knob? Give it a good shot of vibration from a vibrating engraver tool! Be sure to do this before you bugger-up the screw slot with excessive torque.

## 2001 FLEAMARKETS

- June 3 - Newington, CT
- June 9 - FARA, Barnstable, MA
- June 17 - MIT Cambridge, MA
- July 7 - Goshen, CT
- July 15 - MIT Cambridge, MA
- July 21 - E. Greenwich, RI
- July 28 - Swanton, MA
- Aug 19 - MIT Cambridge, MA
- Sept 9 - SEMARA FLEA!
- Sept 15 - Foxondale, RI
- Sept 16 - MIT Cambridge, MA
- Oct 5,6 - HONSTRADERS
- Oct 7 - Wallingford, CT
- Oct 21 - MIT Cambridge, MA

## NET DIRECTORY

- Sunday —
- 8 am 28.700 SEMARA NET
- 9:30 am 50.225 Yankee SSB
- 4th Sunday —
- 9 pm 449.575 EM-ARRL
- Daily —
- 5:30 pm 3.915 EM/RI NTS ssb
- 7&10 pm 3.658 EM/RI NTS cw
- 6:45 pm 147.315+ NTS/Trivia
- 7 pm 146.550 SEMARA NET
- 8 pm 145.230- EM-NTS
- Monday to Friday —
- 7:30 am 14.262 SEMARA NET
- 8 pm 145.490- Weather
- Thursday —
- 8 pm 147.180+ Trivia
- Saturday —
- 1800G 14.300 Coast Guard
- SEMCARES NET —
- 1st Sunday of the month at 7:30 pm
- 145.490- (Fairhaven Repeater)



### VISIT THE SEMARA WEBSITES

[WWW.LRH.NET/SEMARA/SEMARA.HTM](http://WWW.LRH.NET/SEMARA/SEMARA.HTM)  
[GROUPS.YAHOO.COM/GROUP/SEMARA](http://GROUPS.YAHOO.COM/GROUP/SEMARA)  
 SEND E-MAIL TO: [W1AEC@ARRL.NET](mailto:W1AEC@ARRL.NET)

"NAME THAT CIRCUIT" ANSWER  
 4.) Time delay on drop-out relay

## SEMARA OFFICERS 2001

- President* William Miller Jr., K1IBR  
*Vice-President* Raymond Arruda, KB1EVX  
*Secretary* Henry Blanchett, W1GYL  
*Treasurer* Scott Szala, W1EV
- Board of Directors:*  
 Edward Blouin, KA1AW  
 Martin Jordan, KA1YFV  
 Robert Metivier, N1XZJ
- Trustees:*  
 Frank Fonseca, WB1ASD - Chairman  
 Martin Jordan, KA1YFV  
 William Vincent, W1POW  
 Edward Blouin, KA1AW  
 Norman Riley, W1ATI

## SEMARA EVENT CALENDAR

### JUNE 2001

- 7 - Business Meeting, 7:00 pm
- 14 - Foxhunt, 7:00 pm
- 21 - Tech-Talk, 7 pm,  
 "KMOX Radio, 75 Years As The Voice Of St. Louis,"  
 video loaned by Ray Arruda, KB1EVX
- 23 & 24 - Field Day @ Clubhouse,  
 followed by a giant cookout!

### JULY 2001

- 5 - Business Meeting, 7:00 pm
- 7 - VE Session, 10:30 am
- 12 - Foxhunt, 7:00 pm
- 19 - Tech-Talk, 7 pm,  
 "3D Stereo Photography"  
 by Tim Smith & Charles Days
- 26 - Board of Director's meeting, 7 pm

Coffee Hour at the clubhouse every Sunday at 9:00 am. Drop by and ragchew!

## LOCAL REPEATER DIRECTORY

Frequency	CTCSS	Call	Location
<b>144</b>			
145.150 -	123.0	WAIDGW	Fall River
145.490 -		KDICY	Fairhaven
146.445 +1Mhz	91.5	KBIBWN	Dartmouth
146.655 -	88.5	WAIGPO	Falmouth
146.685 -		WILM	Plymouth
146.955 -	88.5	KIPBO	Dennis
147.000 +	67.0	WIAEC	Dartmouth
147.135 +	67.0	NDIN	Taunton
147.180 +	67.0	WIMV	Bridgewater
147.315 +	156.7	NIBBT	Wareham
<b>220</b>			
224.340 -		KIKEK	Dennis
224.840 -	100.0	KILIQ	Tiverton, RI

Frequency	CTCSS	Call	Location
<b>440</b>			
441.400 +	192.8	WGIU	Assonet
442.200 +	88.5	NINRL	Fall River
442.600 +	100.0	KILIQ	Tiverton, RI
443.450 +	88.5	KIMYL	Westport
443.500+	141.3	KIPBO	Barnstable
443.600 +		NSIN	Norwell
443.800 +	88.5	NIRFH	Dartmouth
444.200 +	118.8	N1YHS	Bourne
443.850 +	131.8	WIARM	Chatham
444.250 +	141.3	WAIGPO	Falmouth
444.350 +	88.5	WIACT	Fall River
444.550 +	88.5	WIMV	Bridgewater
447.075 -	88.5	NIDZD	Kingston

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*January 2011*

**FIRST CLASS**

