



# ZERO BEAT

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



OUR 70th YEAR

Volume 38, Issue 7

SEMARA W1AEC

July 2002

## SEMARA HOSTS SHRINE CLUB

On the morning of June 5, 2002, SEMARA hosted a visit to the club by the S.E. Massachusetts Shrine Club. SEMARA president Ray Arruda, KB1EVX, welcomed the Shriners to our club.

Next, vice-president Bill Miller, K1IBR, enlightened the Shriners about amateur radio and why "hams" are good-will ambassadors to the world. Bill covered amateur radio operations from Morse code to amateur radio satellites. Following a Q&A session about amateur radio, Bill went on to describe the history of our club from its inception in 1932 to the present day. The presentation wrapped up with a tour of the clubhouse and a demonstration of single-sideband (SSB) radio in the club's radio room.

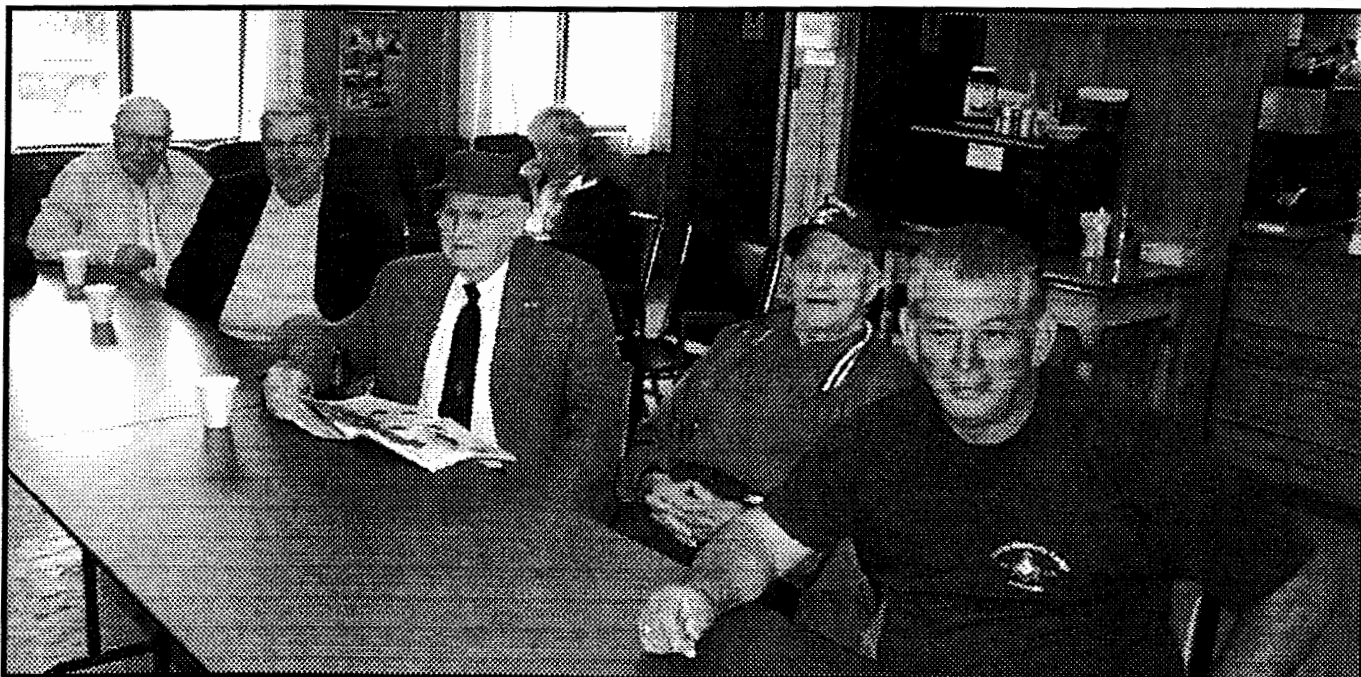
Everyone then adjourned to the meeting hall for coffee and donuts. One Shriner was so impressed he plans to bring his grandsons to the club and expose them to amateur radio!

### WHAT IS A SHRINER?

Shriners are a part of the Masonic movement and operate burn and orthopedic hospitals for children under age 18 as a public service. There is no charge for treatment provided at a Shrine Hospital. If you know of a child in need of such services, please call the number below for a Clinic Exam and Application form.



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

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**EDITOR**

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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.

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

# REMEMBER WHEN?



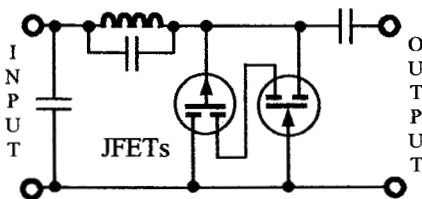
## CLUB CHRISTMAS PARTY - 1959

**T**he club's 1959 Christmas Party was held in the clubhouse and photos were taken of all members present. Shown above is Norman "Doc" Riley, W1ATI.

Check the decorations out on the tree behind Doc. It is decorated with electronic parts! Several 807 tubes are evident in the picture. Also notice that Doc is wearing a coat. The clubhouse was cold back in those days, even with the woodstove running full blast.

The party was traditional in every sense of the word, including a gift exchange after singing a few Christmas carols. The "good old days..." as we are fond to say.

## NAME THAT CIRCUIT



- 1.) Negative Resistance Oscillator
- 2.) Shunt Regulator
- 3.) Full Wave Detector
- 4.) Symmetrical Limiter
- 5.) Missing Pulse Detector

ANSWER - See page 7

# 2002 SEMARA OFFICERS

**President**  
 Raymond Arruda, KB1EVX

**Vice President**  
 William Miller Jr., K1IBR

**Secretary**  
 Henry Blanchett, W1GYL

**Treasurer**  
 Scott Szala, W1EV

**Trustees:**

Martin Jordan, KA1YFV - Chairman  
 William Vincent, W1POW    Edward Blouin, KA1AW  
 Norman Riley, W1ATI        Andrew Reuter, WA1FNM

**Board of Directors:**

Edward Blouin, KA1AW  
 Martin Jordan, KA1YFV  
 Richard Simpkin, WA1CRA

# MEETING MINUTES

The June business meeting was called to order at 7:00 pm by President Ray Arruda, KB1EVX. Twenty-Nine members were present. The Secretary's report was read and accepted. The Treasurer's report was not given in Scott's absence.

**Committee reports -**

Buildings and Grounds - New window installed in kitchen, work progressing on outside repair of south wall.

Technical - Repeater running well. Will be on back-up antenna until new directional antenna system is erected in the coming months. The remote 2 meter transmitter on the clubhouse wall is now "on" all the time. You no longer have to enter a code to use it. (We no longer need to secure the unit as the club doesn't rent the hall to outsiders anymore.)

Activities - Lobster Boil on Saturday, July 27th.

Scholarship - No Report.

Internet - No Report.

Fleamarket - No Report.

Communications - Art Marshall, W1FJI, visiting club on June 30th. He plans to fly up from Florida the day before.

Ratifications - Two new members voted into club. See "CLUB NOTES" for list of new members voted into the association. (Page 4)

President's Comments - Club computer can't connect to the Internet. It appears there is a corrupted file in our computer. It will be repaired. If it happens again, Internet access may be restricted to club officers only. Members are reminded not to smoke near kitchen or computer. Ashes are being found on counters and tables. A big "Thank You" to all members that are helping to repair south wall of club.

Old Business - None.

New Business - The following motions passed:

- 1) Purchase two Polyphaser lightening arresters for repeater site.
- 2) Buy materials required to repair front of clubhouse and reset the four front windows.
- 3) Motion to sell an antenna tripod and a relay rack left over from last fall's fleamarket to two members interested in buying them.
- 4) Motion to give two Lobster Boil tickets to

the owners of Boston Coffee & Bagel. (They were given tickets to our spring clambake, but couldn't attend when their baby son got sick.)

- 5) Motion to purchase a transceiver kit for exclusive PSK31 use at the club. (about \$100) Carl Bredberg, K1KID, volunteered to assemble it. A complete PSK31 setup will then be put together in the radio room for members use.
- 6) Members voted to change the July business meeting from the 4th to the 11th. The foxhunt scheduled for the 11th was moved to the 25th.

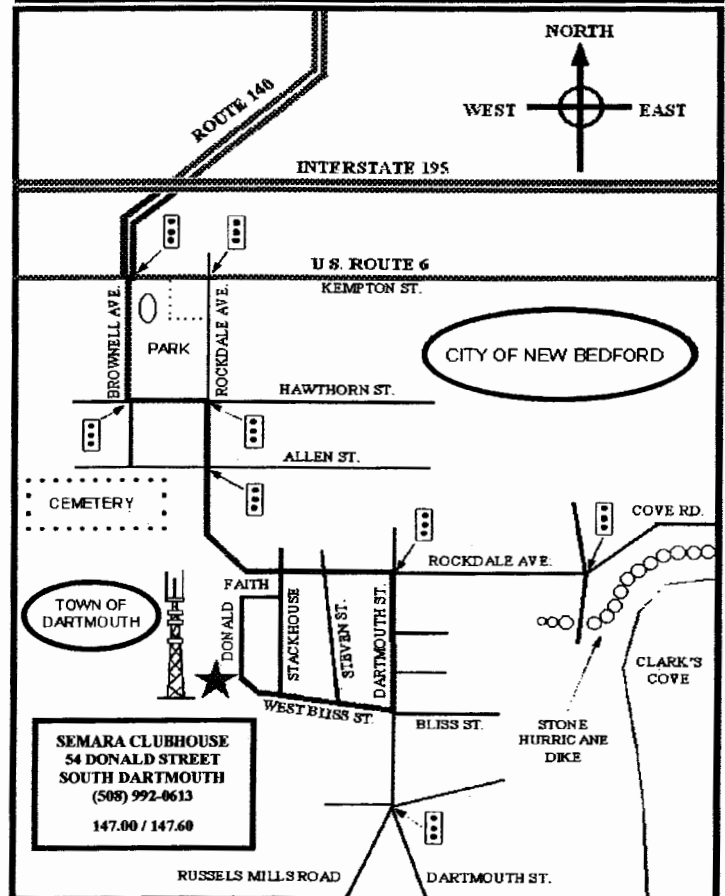
*For the good of the club* - Bill Miller, K1IBR, demonstrated a CFA antenna he built for 2 meters. It is only 2 inches high!

The meeting adjourned at 7:55 pm.

## IMPORTANT NOTICE

THE JULY BUSINESS MEETING  
HAS BEEN MOVED TO JULY 11TH

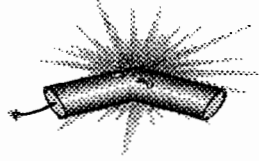
## DIRECTIONS TO CLUB





# CLUB NOTES

July has arrived! Get ready for some real hot weather. The big holiday this month is Independence Day on July 4th. Firecrackers, anyone?



Two applicants were voted life members of the club during the June 6th business meeting:

Jessica Kirkwood, (no call)

Drew Almeida, (no call)

*Welcome to the club!*



The club's VE team celebrated a "first" at the June 1st test session when every applicant passed the test. Five applicants showed up - three took the Extra class license exam, and two were paperwork upgrades from Tech-Plus to General.



Members are cautioned not to attempt petting the cute black and white "kitty cats" roaming the field behind the clubhouse. They are SKUNKS!



## CHICKEN BAR-B-QUE AUGUST 31st

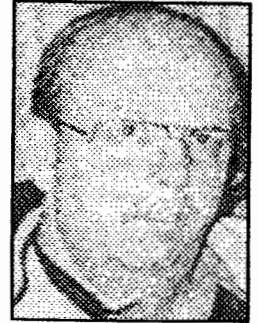


The SEMARA Chicken Barbeque is set for Saturday, August 31, 2002, at 12 noon. Seating is limited to 50, and tickets will go on sale at the July business meeting. (July 11th)

Club treasurer Scott Szala, W1EV, will handle ALL ticket sales on a first come, first serve basis. Buy early—don't miss out!

## Lawrence E. Purcell, N1AS

Lawrence "Larry" Purcell, N1AS, 56, died at home on May 29, 2002, following a long illness. He was first licensed as WA1CRI in the 1960s.



Larry was a former member of the club and for many years taught the amateur radio classes held by the club. Many area "hams" passed their Amateur Radio License because of Larry's skill as an instructor. *Rest in peace, Larry.*

## SPECIAL BOD MEETING June 19, 2002

President Arruda called a special Board of Director's meeting to hear a presentation from member Rick Cabral.

Rick plans to put IRLP on the 440 repeater and wants the club to pay for the high bandwidth Internet connection required. A benefit to the club is access to the high bandwidth connection. Rick offered to buy and install all necessary equipment to provide the club's computer with such a connection to the Internet. Rick's proposal shall be presented to the membership at the next business meeting.

In other business, the board recommends that no on-line game playing be allowed on the club's computer. It is felt that such use may corrupt the hard drive, and necessitate reformatting it. Pending approval of this recommendation by the membership, the board placed a sign next to the computer barring such on-line game playing.

## LOOKING AHEAD

**JULY - Tune-Up Day (Field Trip)  
Lobster Boil**

**AUGUST - Chicken Barbecue**

**SEPTEMBER - FLEAMARKET!**

**OCTOBER - Steam-up Day (Field Trip)**

**NOVEMBER - Turkey Raffle (?)**

**DECEMBER - Christmas Party**

# FIELD DAY A FUN DAY!



**MARTY JORDAN, KA1YFV, WORKS ANOTHER FIELD DAY STATION AS RAY ARRUDA, KB1EVX, LOGS IT**

The club operated Field Day from the clubhouse in the 1D Eastern Massachusetts category. Operating in normally one hour shifts, the members logged one station after another. However, **Marty Jordan, KA1YFV**, did yeoman's work, picking up the mike from **Bill Miller, K1IBR**, at 8 a.m. Sunday morning and then operating 5 hours in a row. Thanks, Marty!

**Stan Laine, WA1ECF**, ARRL Assistant Section Manager for S.E. Massachusetts, Cape Cod, and the Islands, paid the club a surprise visit during Field Day. The visit was much appreciated, and demonstrated Stan's commitment to ARRL field work.

Field Day Chairman **Scott Szala, W1EV**, did a fine job organizing this year's event. In particular, the cookout held on Saturday was enjoyed by all! Finally, we would be remiss not to mention the great homemade cake and raisin squares made by **Arlene Arruda**.

*Thanks to all that helped make this Field Day a success!*

## ROLAND JODOIN, K1KKC, DONATES EQUIPMENT TO CLUB

Roland Jodoin, K1KKC, donated a truckload of radio equipment to the club. The items ranged in size from a Heathkit 6 meter "lunchbox" to a 6 foot high relay rack complete with a 6 meter AM transmitter. Other items included a VFO, Ham-M rotator, HF power amplifier, and an antenna tuner for the HF bands.

*Thanks, Roland, for the generous donation!*

## 2002 FLEAMARKETS

- July 21 - MIT
- July 27 - BCRA "Geekfest"
- August 18 - MIT
- August 24,25 - Boxboro
- Sept 8 - SEMARA!
- Sept 15 - MIT
- Sept 21 - Forrestdale RI
- Sept 22 - Newtown, CT
- Oct 4,5 - Hostraders (NH)
- Oct 6 - Wallingford, Ct
- Oct 12 - Nashua, NH
- Oct 13 - Wallingford, CT
- Oct 20 - MIT
- Oct 27 - VHF/UHF Enfield, CT
- Nov 1 - Feeding Hills, MA
- Nov 30 - Windsor, CT

FULL DETAILS AT:  
[mit.edu/~w1gs1/Public/ae-02a](http://mit.edu/~w1gs1/Public/ae-02a)

## SEMARA NET DIRECTORY

—Sunday—  
 8 am 28.700

—Daily—  
 7 pm 146.550

—Monday to Friday—  
 7:30 am 14.262

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— SEMCARES NET —  
 1st Sunday each month at 7:30 pm  
 145.490- (Fairhaven Repeater)

**FAIRHAVEN WEATHER NET**  
 8 p.m. Monday - Friday 145.49

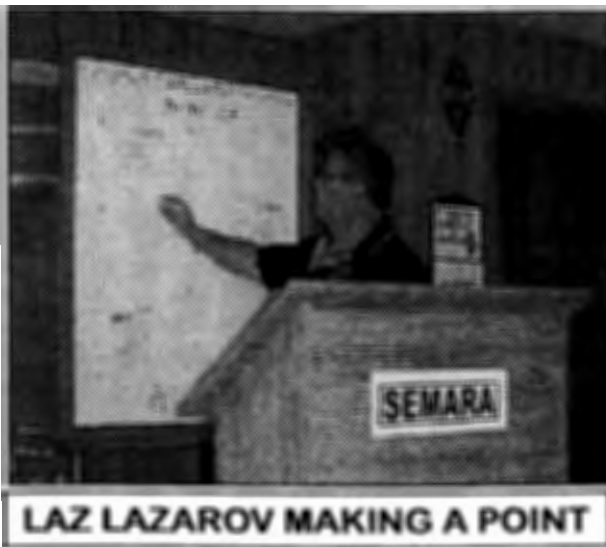
## LAZAROV'S TECH-TALK VERY INTERESTING

The June 20th Tech-Talk was presented by **Lazar Lazarov III, KBIGSK**. Laz talked about Special Operations Communications as used by government agencies and field forces. Laz contrasted operations 30 years ago with present day capabilities. The advances made in communications during the last 30 years are beyond belief. Satellites now play a major part in Special Operations Communications.

Laz wrapped up the talk with a brief discussion of counter-elint methods and then gave some examples of modern day espionage tactics, especially as they impact embassies and other sensitive targets.

The presentation was very interesting and the audience had many questions which Laz answered with authority. Following the formal presentation, many members chatted with Laz over coffee and donuts.

It was a great presentation, and you missed a "good one" if you didn't attend!



LAZ LAZAROV MAKING A POINT

## FOXHUNT PLANNING SESSION HELD

Several foxhunters met at the clubhouse on June 13th and conducted a planning session on foxhunting. Carl Bredberg, K1KID, demonstrated a simplex repeater. An advantage of the simplex repeater is that it will transmit a signal immediately following any signal on the frequency it is setup on. Another advantage is the unattended deployment of the unit as no on-site operator is required.

Carl plans a test run of the unit on the next hunt when he and Dick Simpkin, WA1CRA, will be the fox.

If the simplex repeater proves to be a hit with the hunters, the club could possibly buy one and set it up with a transceiver for future use on all club foxhunts. This would also permit true foxhunts where the "fox" is secreted in the woods or similar locations. Although we currently call them "foxhunts," in reality we are presently conducting "mobile hunts" where we hunt down the hidden vehicle the fox is transmitting from. Do I sense that change is in the air and true foxhunts are just around the corner?



## NEXT SEMARA VE SESSION

July 6, 2002

10:30 am

SEMARA Clubhouse

## VE SESSIONS IN JULY

- 08 Brookline, MA  
Bob Wondolowski  
508-865-5822
- 11 Providence, RI  
Judy Nelson  
401-231-9156
- 13 Falmouth, MA  
Ben Fleck  
508-540-2583
- 20 Melrose, MA  
Scott Kingsley  
781-665-7654
- 24 Cambridge, MA  
Nick Alterndbernd  
617-253-3776


## POINT TO PONDER

*"Giving money and power to government is like giving whiskey and car keys to teenage boys."*

*P. J. O'Rourke*

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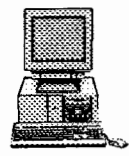


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**SEMARA EVENT CALENDAR**

JULY 2002	AUGUST 2002
11 - Business Meeting, 7:00 pm	1 - Business Meeting, 7:00 pm
6 - VE Session, 10:30 am	3 - VE Session, 10:30 am
18 - Tech-Talk, 7 pm, (Tentative Talk) "The World Society for the Protection of Animals" by John Walsh	8 - FOXHUNT, 7 pm
25 - FOXHUNT, 7:00 pm	15 - Tech-Talk, 7 pm, "Shrine Club Projects" by Shriner Ralph Hall
27 - 12 noon, .Lobster Boil @ clubhouse	31 - 12 Noon, Chicken Bar-B-Que @ Clubhouse

**Coffee Hour at the clubhouse every Sunday at 7 - 11 am. Drop by and ragchew!**

## N1HCW's FIELD DAY RIG IN A BOX



**B**ob Methia, N1HCW, has a complete Field Day radio setup in a wooden box. The unit consists of a riding mower battery, voltmeter, Kenwood HF rig, outboard mobile speaker, and an antenna tuner on the top.

Bob normally runs the rig on Field Day from Shaw's Cove in Mattapoisett, but this year he brought it to the club. Unfortunately, the club was running Field Day in the one transmitter category and Bob was unable to put the rig on the air.

Bob mentioned that he would change one thing if building another rig like this one. He would use a deep-cycle battery instead of a riding mower battery which only allows about 2-3 hours of use when transmitting. The battery issue aside, the setup is a neat package and was admired by all the members.

### LOCAL REPEATER DIRECTORY

Frequency	CTCSS	Call	Location	Frequency	CTCSS	Call	Location
<b>144</b>				<b>440</b>			
145.150 -	123.0	WA1DGW	Fall River	441.400 +	192.8	WG1U	Assonet
145.490 -		KD1CY	Fairhaven	442.200 +	88.5	N1NRL	Fall River
146.445 +1Mhz	91.5	KB1BWN	Dartmouth	442.600 +	100.0	K1LIQ	Tiverton, RI
146.655 -	88.5	WA1GPO	Falmouth	443.450 +	88.5	K1MYL	Westport
146.805	136.5	K1RFI	Fall River	443.500+	141.3	K1PBO	Barnstable
146.685 -		W1LW	Plymouth	443.600 +		NS1N	Norwell
146.955 -	88.5	K1PBO	Dennis	443.800 +	88.5	W1RJC	Dartmouth
147.000 +	67.0	W1AEC	Dartmouth	444.200 +	118.8	N1YHS	Bourne
147.135 +	67.0	ND1N	Taunton	444.250 +	141.3	WA1GPO	Falmouth
147.180 +	67.0	W1MV	Bridgewater	444.350 +	88.5	W1ACT	Fall River
146.730 -		W1SGL	Sandwich	444.550 +	88.5	W1MV	Bridgewater
<b>220</b>				447.075 -	88.5	N1DZD	Kingston
224.340 -		K1KEK	Dennis				
224.840 -	100.0	K1LIQ	Tiverton, RI				

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

**SEMARA**



**FIRST CLASS**

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January 2011