



ZERO BEAT

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



OUR 69th YEAR

Volume 37, Issue 12

SEMARA W1AEC

December 2001

CHICKEN BARBECUE A BIG HIT

The chicken barbecue held at the club on October 20th was a big hit with all. You couldn't have picked a better fall day for a barbecue. The meal kicked off with littlenecks shucked by **Pete Ryder, KB1GPL**, who couldn't keep up with the demand for the delicate morsels. Next on the slate of appetizers was a creamy clam chowder.

The main event was the barbecued chicken served with fresh picked corn-on-the-cob and potato salad. The members raved about the barbecued chicken. It was like none they ever tasted before. One member even stated, "Move over, Colonel Sanders!"

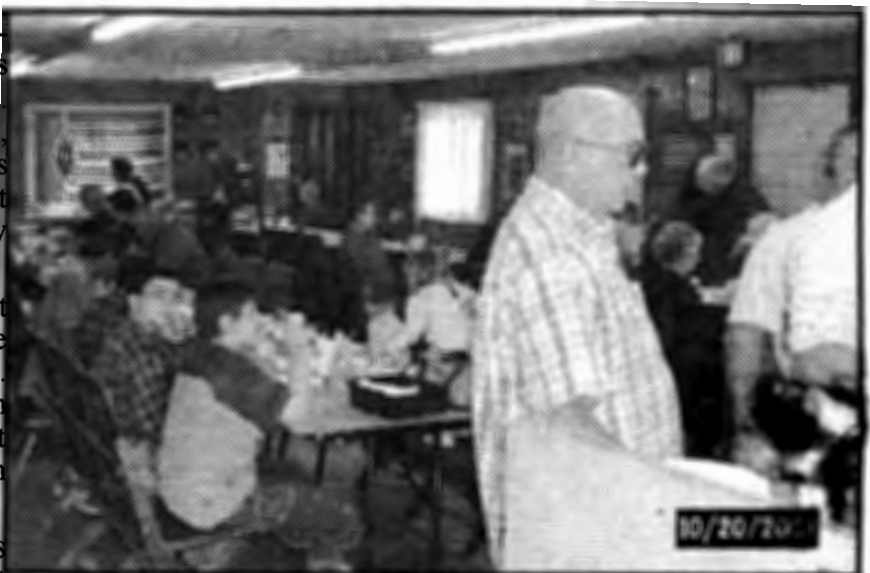
The desert table was overflowing with scrumptious goodies made by members wives (*Thanks, gals!*) Pies, cakes, brownies - you name it and it was on the table. Dieting was cast aside as members and their family hit the desert table!

A "Tip-O-The-Hat" goes out to **Scott Szala, W1EV**, who made all the arrangements for the event. Scott knew the men that put on barbeques like this and saw that we got booked before the season ended. *Thanks, Scott!*

A big "Thank You" also goes out to all the members that worked hard to make this event the success it was.



VIEW OF THE BARBECUE PIT



CHOWTIME IN THE CLUBHOUSE

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.

CARL BREDBERG GIVES TALK ON QRP RIGS



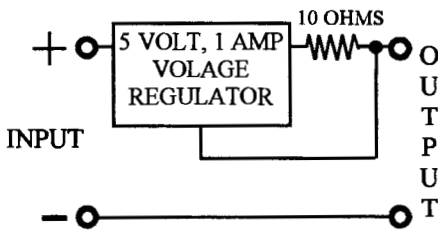
Carl Bredberg, K1KID, presented the club Tech-Talk on November 15th. Carl promoted the virtues of QRP operation and the multitude of receiver kits on the market. Carl mentioned he has built several QRP rigs and displayed his Elecraft K1 QRP transceiver. It's a small rig the size of a card file, yet covers 4 bands. (40 - 30 - 20 - 15 meters)

Carl also demonstrated how he uses a fiberglass fishing pole to support his antenna when operating QRP away from home. The pole is a neat package called the Sunny Day Fishing Pole. It is a series of fiberglass tubes that extend to 20 feet, yet collapse down to 46 inches for stowage.

After the formal presentation and a Q&A session in the meeting hall, everyone gathered in the radio room where Carl put his 5 watt QRP rig "on the air." He instantly made contact with a station in Tallahassee, FL, using the club's all-band trap vertical antenna. The copy was 5x9! Everyone was impressed with the demonstration.

Carl suggested that club members interested in constructing a QRP rig could meet during the winter months and put their individual rigs together as a club project. He suggested everyone make the same rig, and recommended a model that cost only \$55. Any member interested in this project should contact Carl at the next business meeting, or by E-Mail at ccb@mediaone.net

NAME THAT CIRCUIT



- 1.) 5 VOLT REGULATED P/S
- 2.) AC RIPPLE ELIMINATOR
- 3.) 15 VOLT REGULATED P/S
- 4.) 500 MA CURRENT SOURCE
- 5.) 1 AMP REGULATED P/S

ANSWER - See page 7

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IMPORTANT NOTICE

The membership voted to accept the new Constitution, and as provided therein all dues were eliminated. All existing members are now life members. New members shall only pay a \$20 initiation fee. DO NOT send any dues to the Treasurer.

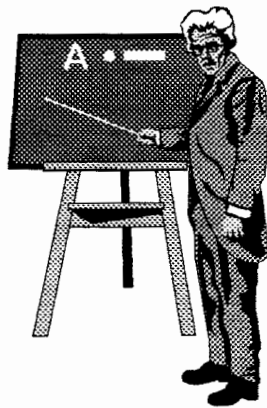


CLUB NOTES

December is the month of religious holidays. Hanukkah on the 10th, and Christmas on the 25th. In many ways it is a month of rebirth as we close out one year and prepare for another. Are your New Year's resolutions ready?



Dave Dean, K1JGV, announces that he will once again be conducting Morse code studies every Sunday morning at the clubhouse. Dave conducts these classes throughout the winter months as he has done in past years. The classes start on December 2nd.



George Kirkwood passed the "no code" Technician exam at the "License in a Weekend" classes sponsored by the Falmouth Radio Club. He is now **KB1HJL** and is boning up on the Morse code to upgrade his license.

Congratulations, George!

I PASSED!



KB1HJL

Juan Ramirez passed the "No Code" Technician exam at the club's VE session on November 3rd. He is now **KB1HKJ**. Juan is a new member, having joined the club at the October 2001 business meeting.

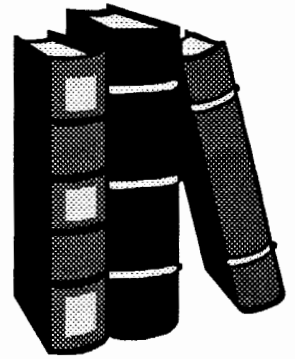
Congratulations, Juan!

I PASSED!



KB1HKJ

Honorary member **Donna Halper** recently published a book honoring women's role in the broadcast industry. The title of the book is "*Invisible Stars: A Social History of Women in American Broadcasting.*" Barnes & Noble can order the book for you.



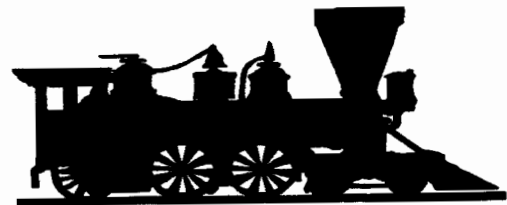
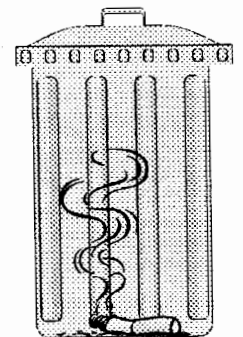
Elaine M. Sciog-Lazarov, **KB1HIY**, was voted into membership during the November business meeting. Elaine is the wife of club member Lazar Lazarov III, **KB1GSK**. *Welcome to the club, Elaine!*



Jim Aguiar, **W1OBJ**, donated a very heavy brass sign for the door to the radio room. It appears to be from a yacht! Check it out next time you go into the radio room.



Smokers are cautioned to exercise extreme care when disposing of cigarette ashes. In early November the club experienced a **FIRE** in one of the trash cans as a result of careless disposal of cigarette ashes. Fortunately, no damage was done. We were lucky!



Members that are also "Train Nuts" are reminded to join in the fun on 147.47 simplex every Sunday evening at 7 pm. Train buffs enjoy a roundtable discussion at that time hosted by **Dave Dean, K1JGV**.

SURVEY MARKERS SET

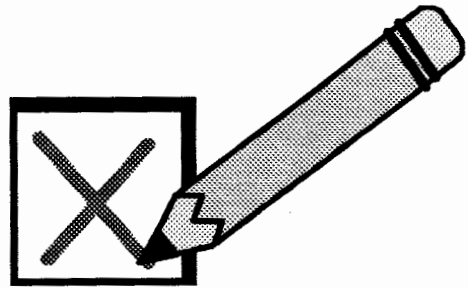
On Sunday morning, October 28, 2001, several members helped set three concrete boundary markers every 100 feet along the north property line. It was a warm day and probably the last good day of the year to use cement outside. The setting of the markers followed several weeks of survey work and double-checking of all measurements.

Members that helped dig the holes, mix the cement, and set the markers included: **Ray Arruda, KB1EVX; Henry Blanchett, W1GYL; Alan Dulong, WB1FQP; Bill Miller, K1IBR; and John Walsh, WA1LSH.** (Scott Szala, W1EV, and several other members helped in prior weeks when the actual surveying took place.)

Then, on November 14, 2001, the final markers were set on the south side of the property by **Ray Arruda, KB1EVX; Bill Miller, K1IBR; and Andy Reuter, WA1FNM.** As the work was completed, **Bill Vincent, W1POW,** arrived and inspected the markers for proper installation. He gave the whole job his personal "Stamp of Approval." Now all the club property boundaries are marked with cement bounds set at each corner and every 100 feet along the north property line adjacent to Little People's College.



ELECTION OF OFFICERS



Election of officers for the year 2002 shall be held during the business meeting on December 6, 2001. The following members were nominated for office:

PRESIDENT (1)

Ray Arruda, WB1EVX

VICE PRESIDENT (1)

Bill Miller, K1IBR

SECRETARY (1)

Henry Blanchett, W1GYL

TREASURER (1)

Scott Szala, W1EV

BOARD of DIRECTORS (3)

Ed Blouin, KA1AW

Marty Jordan, KA1YFV

Andy Reuter, WA1FNM

Dick Simpkin, WA1CRA

TRUSTEE (1)

Andy Reuter, WA1FNM

Dick Simpkin, WA1CRA

SEMARA CHRISTMAS PARTY

Thursday, December 13, 2001

Cocktails: 6 - 7 pm

SUPER DELUXE Buffet Dinner: 7 pm
Prime Rib, Baked Stuffed Shrimp, Etc.

\$20 per person!

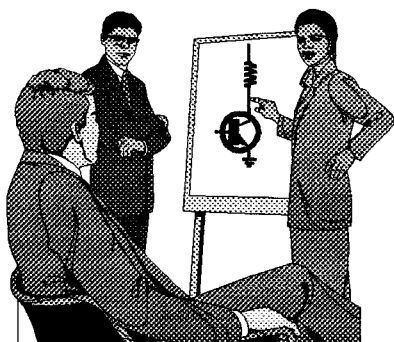
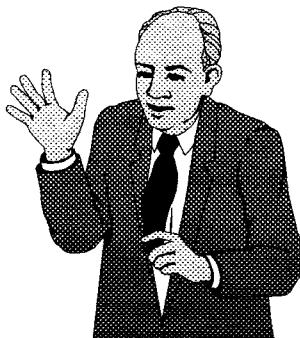
\$5 GIFT EXCHANGE
Red wrapping paper—Gal
Green wrapping paper—Guy

CENTURY HOUSE
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TICKET DEADLINE
DECEMBER 6TH
BUSINESS MEETING

"SHOW AND TELL" NIGHT TO BE HELD IN JANUARY

A "Show and Tell" night will be held at the clubhouse on Thursday, January 10, 2002. Here is a chance to showoff your latest construction project or kit you made. Maybe you reconditioned an old radio and want to display it. The choice is yours, and it doesn't even have to be radio related, as long as it has general appeal. Heck, most anything goes. (Please, no drum demonstrations!) Anyone build a telescope? Tesla coil? Surprise us!



The formal presentations shall take no more than one hour total. Therefore, if only one member brings in something he has the floor to himself. If six members show up with projects, they each will get 10 minutes, and so forth. After the formal presentations, an informal question and answer session and general rag-chew shall take place.

W1IAZ PRESENTS TECH-TALK ON SUBMARINE COMMUNICATIONS

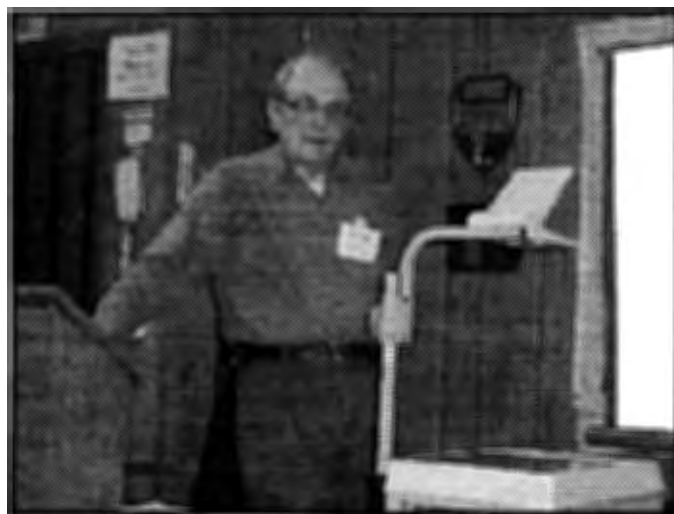
Peter S. Grinnell, W1IAZ, gave a very interesting Tech-Talk on "Submarine Radio Communications" on October 18th. Pete traced the development of the various communication system antennas used by submarines.

Particularly interesting were samples of the amplifiers imbedded in the buoyant antenna used by submarines. Pete outlined how these amplifiers have to withstand passing through a capstan and onto and off of a take-up drum when the antenna is deployed or retrieved. The mechanical parameters of the design were as stringent as the electrical design objectives.

It must be mentioned that Pete was a member of the club in the 1950s and is a Charter member listed on the associations state charter dated 1958. Pete hadn't been in the clubhouse in 40 years!

Following the talk, club president Bill Miller, K1IBR, presented Pete with a new membership certificate and membership package. (Club members voted Pete a life member of the club during the October 4th business meeting.)

Thanks, Pete, and welcome back into the club!



NEXT SEMARA VE SESSION

December 1, 2001

10:30 am

SEMARA Clubhouse

VE SESSIONS IN DECEMBER

- 08 Falmouth, MA
Ben Fleck
508-540-2583
- 10 Brookline, MA
Bob Wondolowski
508-865-5822
- 13 Providence, RI
Judy Nelson
401-231-9156
- 15 Marlborough, MA
William Wade
781-891-9079
- 19 Cambridge, MA
Nick Alterndbernd
617-253-3776

TECHNICAL TIPS

A problem often encountered by hams is broken screws on antenna rotators and equipment. If the screw broke off on a piece of metal where the screw hole went completely through, you are in luck.

Simply drill a small hole in the screw from the opposite side of the metal. (The drill will be turning in the same direction the screw must turn to be removed.) Next, select the size drill that will just clear the threads in the metal. For example, use a 6-32 tapping drill on a 6-32 screw. Use that drill to remove the broken screw. Often as the drill "bites" into the "Pilot" hole in the broken screw it will back it out.

If the screw doesn't back out just drill right through it and then chase the threads with a tap. In some cases it may be necessary to tap the hole at the next larger size, or just resort to a bolt and nut to secure the pieces. No tapping required!

2002 FLEAMARKETS

March 16 - Pomfret, CT

April 21 - MIT

May 19 - MIT

May 21 - Vernon, CT

June 8 - Falmouth, MA

June 16 - MIT

July 21 - MIT

August 18 - MIT

August 24,25 - Boxboro

September 8 - SEMARA!

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

GROUPS.YAHOO.COM/GROUP/SEMARA

SEND E-MAIL TO: W1AEC@ARRL.NET

"NAME THAT CIRCUIT" ANSWER

4) 500 MA CURRENT SOURCE

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:

Martin Jordan, KA1YFV - Chairman
William Vincent, WIPOW
Edward Blouin, KA1AW
Norman Riley, W1ATI
(vacant)

SEMARA EVENT CALENDAR

DECEMBER 2001

- 1 - VE Session, 10:30 am
- 6 - Business Meeting, 7:00 pm
Election of Officers for 2002
- 13 - Christmas Party, 6 pm
Century House, Acushnet, MA



JANUARY 2002

- 3 - Business Meeting, 7:00 pm
- 5 - VE Session, 10:30 am
- 10 - Show & Tell Night, 7:00 pm
- 17 - Tech-Talk, 7 pm,
"Model Railroading"
by Dave Dean, K1JGV



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

LOCAL REPEATER DIRECTORY

Frequency	CTCSS	Call	Location
144			
145.150 -	123.0	WA1DGW	Fall River
145.490 -		KD1CY	Fairhaven
146.445 +1Mhz	91.5	KB1BWN	Dartmouth
146.655 -	88.5	WA1GPO	Falmouth
146.685 -		W1LM	Plymouth
146.955 -	88.5	K1PBO	Dennis
147.000 +	67.0	W1AEC	Dartmouth
147.135 +	67.0	ND1N	Taunton
147.180 +	67.0	W1MV	Bridgewater
147.315 +	156.7	N1BBT	Wareham
146.730 -		W1SGL	Sandwich
220			
224.340 -		K1KEK	Dennis
224.840 -	100.0	K1LIQ	Tiverton, RI

Frequency	CTCSS	Call	Location
440			
441.400 +	192.8	WGIU	Assonet
442.200 +	88.5	N1NRL	Fall River
442.600 +	100.0	K1LIQ	Tiverton, RI
443.450 +	88.5	K1MYL	Westport
443.500 +	141.3	K1PBO	Barnstable
443.600 +		NS1N	Norwell
443.800 +	88.5	N1RFH	Dartmouth
444.200 +	118.8	N1YHS	Bourne
443.850 +	131.8	W1ARM	Chatham
444.250 +	141.3	WA1GPO	Falmouth
444.350 +	88.5	W1ACT	Fall River
444.550 +	88.5	W1MV	Bridgewater
447.075 -	88.5	N1DZD	Kingston

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