

# ZERO BEAT

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## Meeting Highlights

Here are the highlights from the May 5th SEMARA business meeting, as reported by Karen, N1LIE:

The meeting was called to order at 7:32 PM with Vice President Bob Peckham, KA1YDG, presiding. After the pledge of allegiance, a roll call revealed that 20 members were present.

Minutes of Previous Meeting: The Secretary, Karen Peckham, N1LIE, read the minutes of the April 7, 1994 meeting. The minutes were accepted, with a change regarding the ARRL labels being for new Hams not new members. The motion was seconded and approved.

Treasurer's Report: Linda Medeiros, KA1QCO, reported on the income and expenses from the previous month. The current checkbook balance is \$1,431.43. The report was accepted.

Technical Committee: Bill Miller, K1IBR, reported that the new antenna is up and he is tired! He brought aerial pictures taken from the top of the tower and has mounted them, and put them up for all to see. Also on display were various other pictures of the people on hand to help out from down below. Bill also expressed interest in climbing the tower again in the fall when the weather is cool again. He has plans on repairing the top guys with new premium cable and possibly connecting a better antenna.

Building and Grounds: Bill Field, WA1FYF, spoke about the need of getting the dirt spread soon. Bob Peckham will be contacting Bob Bairos.

Yard Sale: Bob Peckham reminded members that the Club is still in need of donations for the Yard Sale. There was discussion on placing ads in the newspaper. It was also agreed upon that non-members may have tables at the Yard Sale for \$8.00. This is the same price charged to non-members at the HamFest.

Old Business: Bill Field expressed concern regarding the Real Estate Tax Exemption Form. If we lose this status, we will have to fight to get it back.

New Business: Linda Medeiros read a letter from Martin Bayes W1/GYDZC regarding a Mass QSO Party on 5/21 through 5/22. The Framingham Club will be the hosts. This is open for both club stations or individuals.

Bob Peckham asked Bill Miller about the Yagi antennas taken down from the tower. The antennas will be auctioned off at the June meeting as is. They all have a mounting bracket.

Chuck Pelletier made a motion to adjourn at 7:59 PM. The motion was accepted.

## Next Meeting

The next SEMARA business meeting is June 2, 1994, 7:30 pm. The club meets Thursdays, with business meetings on the first Thursday of the month.

## FCC Passes New Rule

On April 13, 1994, the Federal Communications Commission released a long awaited Report and Order, addressing issues raised in a Petition for Rule Making submitted in January, 1991. It is now being published in the Federal Register. The new rules become effective June 1, 1994.

The Rule on the responsibility for repeater communications, in part 97.205(g), was combined in the proceeding with new rules on high speed digital message forwarding systems, i.e. packet.

The rule states:

97.205(g) The control operator of a repeater that retransmits inadvertently communications that violate the rules in this Part is not accountable for the violative communications.

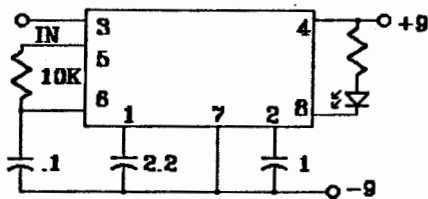
The definition of a repeater, in Part 97.3, is changed to read:

(36) Repeater. An amateur station that simultaneously retransmits the transmission of another amateur station on a different channel or channels.

The Notice, FCC 94-76, was unanimously approved by the Commissioners.



Ask Bob,  
KAIYDG,  
how many  
seconds a  
motion to  
adjourn  
needs.



Can you identify the IC in this circuit, and it's function?

## FCC Tallies

The FCC has tallied some numbers on the VE system since its 1984 debut, through late 1993: number of VE sessions, 56,485; number of people attending 640,453; number of examination elements administered: 1,052,269!

## Teen Discussion Net

Richard, KB9FUD, in Union in northern Illinois, and Jennie, N9SAK, in Champaign, Illinois, would like to start a Teen Discussion Net. It's about anything and

## NOAA

### Locations and frequencies

Code	Frequency
1	162.550 MHz.
2	162.400 MHz.
3	162.475 MHz.
4	162.425 MHz.
5	162.450 MHz.
6	162.500 MHz.
7	162.525 MHz.

### CONNECTICUT

Location	Code
Hartford	3
Meriden	2
New London	1

### MASSACHUSETTS

Location	Code
Boston	3
Hyannis	1
Worcester	1

### RHODE ISLAND

Location	Code
Providence	2

everything of interest to teens. If you'd like to participate, send a message to either of them. Their packet addresses are: Jennie N9SAK@N9LNQ.#ECILIL, & Richard KB9FUD@W9ZMR.#NEILIL

## Austrian Special Calls

The Austrian Communication Authority has opened a block of special call signs for special operations there. Twenty-six calls will be made available from OE-A to OE-Z, with the number assigned depending on the station's geographic location. Fourteen calls will be reserved for club stations of the Austrian national association, OVSV, with the remaining 12 available for others.

## FCC on Internet

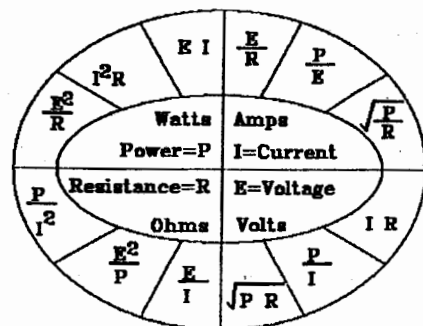
The FCC announced in late February that some of its information is now available on the Internet, including the FCC Daily Digest, news releases, some public notices, and the text of speeches by Commission officials. File names are listed in the Daily Digest. The FCC's Internet address is ftp.fcc.gov.

## Antenna Tax

On April 22, 1994, New Hampshire Governor Steve Merrill signed into law a "first in the nation" bill which exempts from real estate taxes "radio towers, antennas and related or supporting structures used exclusively in the operation of an Amateur communications station under Federal Communications Commission Amateur Radio Service rules and regulations..".

## Antenna Law Alert!

There are currently two bills before the Massachusetts legislature concerning amateur radio. H-4201 would put the language of PRB-1 into the Mass.



Ohm's Law Circle

General Laws. Some local officials have been confused whether PRB-1 applies to them, and H-4201 would make things clear.

H-4196 is intended to restrict the construction of cellular telephone towers, but the authors of the bill were so indiscriminate in the wording of the bill that it could be construed to apply to all radio services, including amateur radio. There might have been good intentions behind the bill, but the amateur community could run into problems if it is passed as it is worded, even if bill H-4201 also becomes law. It would be best if the bill never became law, but we should ask that there be an exemption for amateur radio inserted in the bill just in case.

Please consider writing to your state legislator in support of H-4201 and in opposition to H-4196. Both bills are currently in the Local Affairs Committee of the Legislature.

## You can do it, too!

Casey Haley, a nine-year-old in South Houston, Texas, recently received a DXCC certificate. Casey hold extra class license call AB5RG.

## Learning Morse

Here are some ideas on learning morse code (CW), for those of you still at it. If you are already a "CW" wiz, we'd like to hear your ideas too, send them in!

## Packet Directory

144.990 N1KBT	145.090 KC1CE
144.990 NS1N	145.090 KD1NU
145.010 Fara Digi	145.570 AA1FS
145.010 N1CSI	145.530 KQ1K
145.050 WA1ZJF	145.710 KA1THM
145.070 WQ1O	145.710 KC1KM
145.090 AA1FS	145.710 N1LDY
145.090 K1UGM	145.730 KC1UA

From WB1O @ K1UGM.MA:

Always use the Farnsworth method of morse code. For example, send the letters at 27 WPM, but spaced at 7 WPM or slightly faster than whatever speed you are trying to learn. This way, as your speed and interest increases, the letters will always sound the same.

From N1KGW @ KA1SRD.MA:

Never look at the written code. Dots and dashes are harder to translate to letters, and it takes longer to translate the sound to a visual code image, and then a letter. Learn the code as audibly.

From K1KP @ KA1SRD.MA:

Make a tape of random 5-letter groups, Farnsworth spaced at about 20 WPM characters, with each letter immediately followed by your voice speaking the letter. When you listen to the tape, you'll hear the morse letter following by the english letter. Listen to the tape night and day as often as possible. After a few days, you will hear a morse letter, and the voice in your mind will know the english letter before you hear it on the tape.

From W1OG:

Students of morse code should think in CW whenever possible. For example,

## The Glossary

### Sensitivity

The receiver's ability to detect a weak signal.

### Dummy Antenna

Also called Dummy Load. A device used to test and adjust transmitting equipment without sending a signal over the air.

you should "dit-dah" road signs while walking or riding.

From K1TW @ KA1PEP.MA:

Expose yourself to real on the air CW QSOs at as high a speed as you can find. Also try to listen to W1AW code practice sessions daily.

From WR1B:

To learn the code, train your hand to write the letter, number, or punctuation mark whenever you hear a specific sound. Form a habit through practice.

As you copy at faster speeds, practice writing as fast as possible. Use a cursive style, rather than printing, or learn the "minimum effort" method of hand printing letters and numbers.

From KR1S:

The secret to learning to master Morse code is REGULAR practice. At least two 15 to 30 minutes sessions each day. Take time to learn the sound of each letter, then practice!

From N1BKE:

Don't forget to practice SENDING! Get a code practice oscillator and a tape recorder. Make tapes of yourself sending a few words and sentences. Strive for accuracy at first, then go for speed.

## ATV not welcome?

NudeNet is a radio net for radio amateurs that are also nudists and naturists. They meet each Thursday evening at 0000Z on or near 14.265MHz depending on QRM.

Reportedly, most Thursdays have 10-20 check-ins. If you're a nudist, a naturist, or just curious about clothing-optional recreation, consider checking-in.

Discussions on NudeNet cover a wide range of topics but mostly center around topics related to nude recreation, such

## '94 SEMARA OFFICERS

### President

Pete Carreiro, KA1WOJ, 993-6262

### Vice-President

Robert Peckham, KA1YDG, 995-9137

### Secretary

Karen Peckham, N1LIE, 995-9137

### Treasurer

Pat Carreiro, KA1YUH, 993-6262

### Board Members

William M. Miller, Jr., K1IBR

Bill Field, WA1FYF

Linda Medeiros, KA1QCO

### Trustees

Bill Field, WA1FYF

Morris Fogaren, WB1GJO

Joe Midurski, W1EKW

Edward Blouin, KA1AW

Andrew Reuter, WA1FNM

### Buildings & Grounds Committee

Bill Field, WA1FYF, Chairman

### Technical Committee

William M. Miller, Jr., K1IBR, Chairman

as nude beaches, nudist resorts, hot springs, nude hiking, etc. A quarterly newsletter is also slated to begin publication shortly.

## For Sale

Alinco DJ-160, with battery, pouch, mag mount and Concept RFC232. Call John, N11QU at 508-992-4440.

## Repeater Directory

145.150 -	WA1DGW, Fall River
145.490 -	KA1WBF, Fairhaven
146.700 -	WA1RBT, Cranston
146.655 -	WA1GPO, Falmouth
146.685 -	N1OEG, Plymouth
147.000 +	W1AEC, South Dartmouth
147.045 +	WA1AIC, Yarmouth
147.135 +	ND1N, Taunton
147.180 +	WB1FLD, Bridgewater
147.315 +	N1BBT, Wareham
441.400 +	WG1U, Assonet
442.200 +	NY1D, Fall River
443.450 +	K1MYL, Westport
443.600 +	NS1N, Norwell
443.800 +	N1RFH, New Bedford
444.250 +	WA1GPO, Falmouth
444.350 +	W1ACT, Fall River
444.550 +	WA1ZUF, Bridgewater
446.325 -	KA1CLX, Plymouth
446.625 -	NC1K, Plymouth
447.075 -	N1DZD, Kingston
448.675 -	N1FPH, West Greenwich

Know of any local repeater frequencies not listed here? Send them in to the editor!

## CALENDAR

### May

- 21: Flea/Auction, Forestdale, RI
- 30: Ham Fest, Whitman, MA

### June

- 2: 7:30p, SEMARA Business Meeting
- 5: Flea, Newington, CT
- 19: MIT Flea Market

### July

- 7: 7:30p, SEMARA Business Meeting
- 17: MIT Flea Market

### August

- 4: 7:30p, SEMARA Business Meeting
- 7: Flea, Wellesley
- 21: MIT Flea Market
- 27: Ham Fest, Gardner, MA
- 28: Ham Fest, Fall River, MA

## VE EXAMS

### May

- 21: Melrose, MA Scott, 617-322-7654
- 27: Holyoke, MA Jim, 413-245-3228
- 28: Slatersville, RI Bob, 401-333-2129

### June

- 1: Acton, MA Dave, 508-263-3712\*
- 4: Middletown, RI Jack, 401-683-2250
- 5: Shirley, MA Tom, 508-425-6672\*
- 6: Cambridge, MA Bob, 617-593-1955
- 8: Billerica, MA Bruce, 508-851-2886
- 9: Providence, RI Judy, 401-231-9156
- 11: Marlboro, MA Bob, 508-485-7006\*
- 11: Brewster, MA Henry, 508-255-2818
- 11: Falmouth, MA Geoffrey, 508-548-0969
- 12: Athol, MA John, 508-249-5905
- 12: Gloucester, MA Rick, 508-283-2278
- 15: Lunenburg, MA Tom, 508-534-9377
- 18: Melrose, MA Scott, 617-322-7654
- 19: Shirley, MA Tom, 508-425-6672\*
- 22: Cambridge, MA Nick, 617-253-3776
- 24: Holyoke, MA Jim, 413-245-3228
- 25: Rockport, MA Rick, 508-283-2278
- 25: Slatersville, RI Bob, 401-333-2129
- 26: Rockport, MA Rick, 508-283-2278

### July

- 2: S. Dartmouth, MA Ray, 508-995-0334
- 3: Shirley, MA Tom, 508-425-6672\*
- 4: Cambridge, MA Bob, 617-593-1955
- 9: Falmouth, MA Geoffrey, 508-548-0969
- 9: Marlboro, MA Bob, 508-485-7006\*
- 10: Gloucester, MA Rick, 508-283-2278
- 14: Providence, RI Judy, 401-231-9156
- 16: Melrose, MA Scott, 617-322-7654
- 17: Shirley, MA Tom, 508-425-6672\*



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- 20: Lunenburg, MA Tom, 508-534-9377
- 20: Cambridge, MA Nick, 617-253-3776
- 22: Holyoke, MA Jim, 413-245-3228

## Wanted

PSU-3A Power Supply for "Swan" 700HF. Call after 4:40 pm, 508- 993-7947, David, N1MVZ.

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