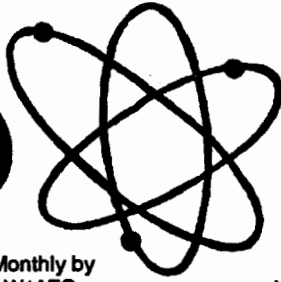


# ZERO BEAT



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SEMARA, W1AEC  
P.O. BOX 0007, 54 Donald St.  
South Dartmouth, MA 02748

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## Meeting Highlights

Here are the highlights from the November 4th, SEMARA business meeting: After the roll call, the secretary's and treasurer's reports were read and accepted.

For committee reports, Pete, KA1WOJ, reported that part of the front stairs have been done. The railings still need to be completed. Rich, KD1QQ, reported that he received an estimate of \$400 to \$450 to sand blast, etch and prime the screen. Bill, K1IBR, reported on the problems of the repeater drifting off frequency, and interpreting user commands. Bill, WA1FYF, reported that the oil situation looks better since the new doors were installed.

For old business, Pete, KA1WOJ, noted that we still have soda left over from the ham fest, and to see him if anyone was interested in buying some of it. He also mentioned that they are updating the membership list, and adding birthdays to the data. He requested everyone turn in their birthdate. He also noted that the Christmas Party is scheduled and set to go, and that they are collecting the \$11 per person now. There will also be a free turkey raffle ticket given to anyone who attends the party.



For new business, it was noted that Bill, K1IBR, brought in some old newspaper clippings about ham radio. The clippings were passed around for all to review. It was also noted that Norm, W1ATI, donated pencils for taking votes. Addi-

tionally, there was talk of forming a multi-club association.

Pete, KA1WOJ, also mentioned that activity ideas were being sought. Some ideas so far include possibly setting up a demonstration at the mall, more classes and video tapes.

The floor was then opened for nominations, which currently are: KA1WOJ for president, KA1YDG for vice-president, N1LIE for secretary, and KA1YUH for treasurer. Also for board of directors, nominations were WA1FYF, K1IBR, KD1DA, WM1S, and KA1QCO. Nominated for trustee was N1DNI.

After noting that further nominations and the election will be held next month, the meeting adjourned.

## Next Meeting

The next SEMARA business meeting is December 2nd, 1993, 7:30 pm. **Elections for 1994 officers will be held at this meeting.** The club meets every Thursday, with business meetings on the first Thursday of the month. The Christmas party is on December 4th.

Don't forget! It's time to start renewing your memberships for 1994!

## The Sunday Morning Net

by Norm Riley, W1ATI

This 28.7 net has been on almost every Sunday morning at 8:00 local time since 1937 circa. In those days there were no

technician class licenses. When the technician license did become available, 10 meters was not usable by them.

On Sunday, 7 of November, 1993 the fellows on the net unanimously agreed to switch the frequency to 28.375. This was done to allow anyone so licensed to join the net. Also, it is hoped that 28.375 will be a clear spot, can be monitored, and will be used during the week at anytime. So please don't listen, but join the gang. Looking forward to hearing you!

## Did you know?

by Bill Miller, K1IBR

In 1938, the club newsletter was named "Key Klix"?

## Temporary licenses

The FCC has Issued a Notice of Proposed Rule Making, RM-8288, to grant temporary operating authority to unlicensed persons who pass the examination for an amateur license.

The authorization would begin when the exam is passed and an application for a license is filed, and last until a full-term license is received from the FCC (but not more than 120 days), provided that:

1. The person is not a previous licensee whose license was revoked or suspended for less than the balance of the license term and is not subject to an active Amateur Radio-related cease-and-desist order.

2. The temporary authority would cease immediately if the application is returned without action, and no temporary authority would be granted if the operation of the station might have a "significant environmental effect."

Those operating under the proposed new rules would use call signs determined by the initials of their name and by their mailing address. The prefix for each such call sign would be WZ followed by

a number indicating the appropriate Volunteer Examiner Coordinator region and a two-letter indicator of the class of license being exercised.

The comment deadline for this NPRM is January 10, 1994; reply comment deadline is February 10, 1994.

For the full text of this NPRM send a business-size SASE to the Regulatory Information Branch at ARRL HQ. League

## The Packet Racket

Larry Houbre 11/93

CONNECT ZEROBEAT.W1AEC.SEMARA.MA  
SB ALL

Many packet stations use G8BPQ's packet switch software to create a "node", such as the "WHALE" node at AA1FS.

These nodes track other nodes that it can "hear" on any of the radio ports at that station. You can review the list of these nodes, and connect to them through the node switch, extending your range of packet activities. You might even be able to get a connection overseas!

The first step is to connect your TNC to your local node switch, for example, the WHALE node:

C WHALE

Once connected, ask for a list of nodes with the command:

NODES

You'll get a list that looks something like this:

WHALE:AA1FS-7} Nodes:  
BBSAFS:AA1FS DENNIS:KQ1K-7 NEWBED:KALYYQ-7  
PVD:KA1RCI-1 SALT:KQ1K WCRANS:KC1CE-7

You pick the node that you want to connect to, and tell the switch to connect to it:

C DENNIS

You can then start again, asking for a list of nodes, and connecting. Once you get to a distance node, there is usually a BBS you can log into, or maybe you'll find someone's personal system just waiting for you!

How can you tell WHAT you are connecting too? The standard practice (in this area) is that nodes are usually "-7" as in "AA1FS-7", while digipeaters are "-1" and a BBS has no signifier, or has "BBS" in the name, such as "BBSAFS" or "AA1FS".

/EX  
DISCONNECT

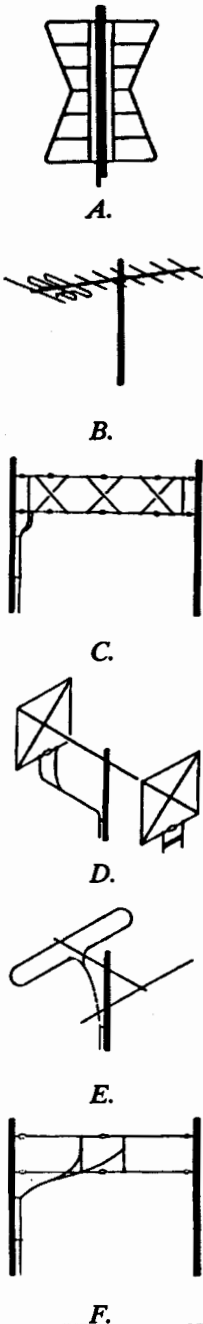
## November In History

- 1-1870 The U.S. Weather Bureau began operations.  
1981 First Class postage was raised from 18 to 20 cents.
- 2-1783 Washington issued "Farewell Address to the Army."  
1947 Howard Hughes flew the Spruce Goose.
- 3-1903 Panama gained its independence from Columbia.  
1900 1st Automobile Show, Madison Square Garden.  
1952 Charles Birdseye marketed frozen peas.
- 4-1842 Abraham Lincoln married Mary Todd.  
1922 Howard Carter discovered the tomb of King Tut.  
1979 U.S. Embassy seized in Teheran; hostage crisis.
- 5-1781 Hanson elected 1st "President of the United States in Congress assembled", 8 yrs before Washington.  
1885 Patent for automobile granted to George Selden.
- 6-1939 WGY-TV NY, 1st commercial-license station.
- 7-1805 Lewis and Clark first sighted the Pacific Ocean.  
1944 President FDR was elected to a 4th term.
- 6-1793 Louvre Museum, in Paris, opened to the public.  
1968 Ex-actor Ronald Reagan elected Governor of CA.
- 9-1872 A big Boston fire destroyed nearly 1000 buildings.  
1965 A giant power failure occurred in New England.
- 10-1775 U.S. Marines organized by Continental Congress.  
1951 1st Direct-Dial, coast-to-coast, telephone service.  
1980 Voyager I flies past Saturn.
- 11-1918 WW I ended, signing of armistic in a railroad car.  
1982 Space Shuttle Columbia's 1st commercial flight.
- 12-1933 1st known photograph of the Loch Ness monster  
1981 1st time spacecraft reused, Shuttle 'Columbia'.
- 13-1895 1st shipment of canned pineapple from Hawaii X  
1842 FDR lowered the draft age to 18.  
1982 Vietnam Veteran's Memorial dedicated in D.C..
- 14-1851 "Moby Dick", by Herman Melville, 1st published.  
1910 1st airplane flight from the deck of a ship.  
1922 BBC began broadcasting.
- 15-1869 Free Postal Delivery was formally inaugurated.  
1926 National Broadcasting Company went on-the-air.  
1939 S.S.A. approved 1st unemployment check.  
1968 Flight of Gemini 12 ended successfully.
- 16-1973 NASA launched "Skylab Three" 83-day mission.  
1800 Congress held 1st session in new Capitol building.  
1869 Suez Canal formally opened in Egypt.  
1913 Panama Canal opened for use.  
1970 USSR landed an unmanned vehicle on the moon.  
1973 President Nixon announced, "I'm not a crook."
- 18-1978 912 die at the urging of Rev. Jim Jones.
- 19-1863 President Lincoln delivered Gettysburg Address.  
1895 The pencil was invented. X
- 20-1888 William Bundy invented the first timecard clock.  
1945 The Nuremberg Trials began.
- 21-1877 Edison announced invention of phonograph.  
1959 Jack Benny (Violin) & Richard Nixon (Piano) duet.
- 22-1906 International Radio Telegraphic Convention adopted the "SOS" as the new call for emergency help.  
1963 President John F. Kennedy was assassinated.
- 23-1863 Patent granted for process of color photos.  
1936 1st issue of LIFE magazine published.
- 24-1874 Patent granted to Glidden for barbed wire.  
1963 Accused assassin, Lee Harvey Oswald, fatally shot.
- 25-1980 Sugar Ray Leonard regained WBC welterweight title after Roberto Duran gave up in the 8th round.
- 26-1789 1st Thanksgiving Day declared by Washington.
- 28-1520 Explorer Magellan began crossing Pacific Ocean.  
1922 1st skywriting exhibition over New York City.  
1964 U.S. launched Mariner IV, to explore Mars.
- 29-1849 Sir Ambrose Fleming, inventor of the diode, born.  
1887 U.S. received rights to Pearl Harbor.  
1929 Lt. Cmdr. Richard Byrd flew across South Pole.  
1961 Enos the Chimp was launched aboard Mercury-Atlas V and orbited the earth twice.
- 30-1782 U.S. & Britain agree to end Revolutionary War.  
1804 Samuel Chase, the 1st U.S. Supreme Court justice to be impeached, went on trial.

## Antenna Quiz

So, you're a ham. A professional. An expert. Respected in your neighborhood. You've studied electronics, morse code, propagation, rules and regs, even antennas. You've bragged to your friends and relatives. You've won contests, and have a wall full of QSL cards. But, can you match the antenna description to the correct illustration? Careful, not all the listed antennas are shown.

- 1. Batwing
- 2. Doublet
- 3. Cubical Quad
- 4. Folded Dipole
- 5. Rhombic
- 6. Lazy H
- 7. Sterba Curtain
- 8. Conical
- 9. Yagi



## BELL'S SHOCKING FIRST PHONE CALL!

For Bell's very first 'telephone' conversation, it has been commonly mis-reported *Watson, come here, quick!* that he *Shut down the power! Hurry!* simply called his assistant into the room. It was recently discovered he had quite a reason for urgency.

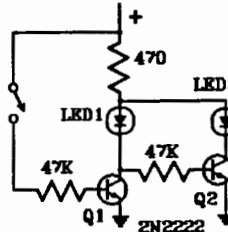


members are encouraged to express their views on this proposal to their division director.

## Stop/Go Lights

Here's a quickie circuit that will switch between red and green LEDs with a single SPST switch. The switch could be remotely mounted, like a magnetic switch, sensor or other contactor. You could monitor the status of a door or other device, with red being "open" or "ready" and green being "closed" or "active".

The circuit is simple, and only requires a few parts: Two LEDs, red and green, two 47K ohm resistors, one 470 ohm resistor, and two 2N2222 transistors. When the switch is closed, Q1 conducts and LED1 lights up. Q2 does not conduct, since the base is held very low. When the switch is opened, Q1 stops conducting, and Q2 starts conducting, lighting LED2.



## More call signs?

The ARRL has asked the FCC to consider a method of expanding the number of available "preferred" call signs in Alaska, Hawaii, and Puerto Rico. "Group A" call signs for Extra Class licensees have run out in all three areas, and "Group B" call signs for Advanced Class licensees are nearly exhausted for Puerto Rico.

The ARRL suggested that more call signs could be made available by a change in its Public Notice announcing available call sign blocks. The incentive of preferred call signs is important to the continued upgrading of amateurs' skills.

The proposal is as follows: For Alaska (Region 11), to allow numerals other than 7, which currently is required in all Alaska call signs; For Puerto Rico (Region 12),

## Letters to the Editor



Dear Zerobeat Editor:

Where do you get all those great technical articles, quizzes and tidbits? I need some for my newsletter!  
Signed, Emitter

Dear Emitter:

You probably won't believe this, the members of the club are so technically grounded, they actually write them! They even submit them for publication, and I don't even have to ask! ZE

Dear Zerobeat Editor:

How do I get back issues of the Zerobeat? I hate having an incomplete set.  
Signed, Collector

Dear Collector:

Simple! Reverse bias your wallet and send \$1 for each back issue you want. ZE

Dear Zerobeat Editor:

Is the Zerobeat PNP or NPN?  
Signed, Base

Dear Base:

This is a common question, and it depends on your point of supply. PNP is useful for describing a "Pretty Neat Publication" like the Zerobeat, but some people like "Non Polarized News" for NPN. Take your pick. ZE

## Repeater Directory

145.150 -	WA1DGW, Fall River
145.490 -	KA1WBF, Fairhaven
146.700 -	WA1RBT, Cranston
146.655 -	WA1GPO, Falmouth
147.000 +	W1AEC, South Dartmouth
147.045 +	WA1AIC, Yarmouth
147.135 +	ND1N, Taunton
147.180 +	WB1FLD, Bridgewater
147.315 +	N1BBT, Wareham
442.200 +	NY1D, Fall River
443.450 +	K1MYL, Westport
443.600 +	NS1N, Norwell
444.250 +	WA1GPO, Falmouth
444.350 +	W1ACT, Fall River
444.550 +	WA1ZUF, Bridgewater
446.325 -	KA1CLX, Plymouth
446.625 -	NC1K, Plymouth

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

to allow numeral 3 as well as the current numeral 4, with provisions for Desecheo. For Hawaii (Region 13), to allow numeral 7 as well as the current numeral 6, with provisions for the other U.S. territories and possessions in the Pacific.

## CALENDAR

- November**  
21: Ham Fest, Mattapoisett
- December**  
2: 7:30p, SEMARA Business Meeting  
4: SEMARA Christmas Party, Thads  
5: Ham Convention, Fall River
- January 1994**  
6: 7:30p, SEMARA Business Meeting  
16: Ham Fest, Mattapoisett
- February**  
3: 7:30p, SEMARA Business Meeting  
20: Ham Fest, Mattapoisett
- March**  
3: 7:30p, SEMARA Business Meeting  
20: Ham Fest, Mattapoisett
- April**  
7: 7:30p, SEMARA Business Meeting  
17: MIT Flea Market  
29,30: Dayton
- May**  
1 Dayton  
5: 7:30p, SEMARA Business Meeting  
15: MIT Flea Market
- 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  
21: MIT Flea Market
- September**  
1: 7:30p, SEMARA Business Meeting  
11: Ham Fest, South Dartmouth  
18: MIT Flea Market

## SEMARA OFFICERS

**President**  
Pete Carreiro, KA1WOJ, 993-6262

**Vice-President**  
Mike Ponte, WA1BZJ, 996-0159

**Secretary**  
Mark Mahoney, N1IEP, 993-5942

**Treasurer**  
Pat Carreiro, KA1YUH, 993-6262

**Board Members**  
Dr. Norm Filey, W1ATI  
Marc Jodoin, KA1WBF  
Charles Pelletier, KD1DA



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## VE EXAMS

**November**  
20: Melrose, MA Scott, 617-322-7654  
23: Stoughton, MA Bob, 508-583-3639  
27: Chelsea, MA Frank, 617-884-7514  
27: Slatersville, RI Bob, 401-333-2129

**December**  
1: Acton, MA Dave, 508-263-3712\*  
1: Fall River, MA Jesse, 508-676-8741  
4: Marshfield, MA Karl, 617-545-5653  
5: Fall River, MA Jesse, 508-678-3623  
6: Cambridge, MA Bob, 617-593-1955  
8: Billerica, MA Bruce, 508-851-2886  
9: Providence, RI Judy, 401-231-9156  
10: Holyoke, MA Charles, 413-323-4533  
11: Marlboro, MA Bob, 508-485-7006\*  
11: Braintree, MA Philip, 617-329-6446  
11: Brewster, MA Henry, 508-255-2818  
11: Falmouth, MA Geoffrey, 508-548-0969  
12: Gloucester, MA Rick, 508-283-2278  
15: Newport US, RI Dave, 508-991-4291\*  
18: Melrose, MA Scott, 617-322-7654  
19: Athol, MA John, 508-249-5905  
22: Cambridge, MA Nick, 617-253-3776

**January**  
3: Cambridge, MA Bob, 617-593-1955  
5: Acton, MA Dave, 508-263-3712\*

## Packet Directory

144.990 N1KBT	145.090 KC1CE
144.990 NS1N	145.090 KD1NU
145.010 Fara Digi	145.570 WA1OAJ
145.010 N1CSI	145.530 KQ1K
145.050 WA1ZUF	145.710 KA1THM
145.070 WQ1O	145.710 KC1KM
145.090 AA1FS	145.710 N1LDY
145.090 K1UGM	145.730 KC1UA

## VE EXAMS (Cont'd)

8: Falmouth, MA	Geoffrey, 508-548-0969
8: Slatersville, RI	Bob, 401-333-2129
9: Gloucester, MA	Rick, 508-283-2278
12: Billerica, MA	Bruce, 508-851-2886
13: Providence, RI	Judy, 401-231-9156
15: Melrose, MA	Scott, 617-322-7654
19: Cambridge, MA	Nick, 617-253-3776
29: Slatersville, RI	Bob, 401-333-2129

\*Some sessions require preregistration and do not allow walk-ins. Please check with the contact listed for each session to verify the exam date, time, and location.

SEMARA, Inc.  
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