

ZERO BEAT

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

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Dan Souza, N1HCV
Mike Miller, N1ITQ

Meeting Highlights

Here are the highlights from the March 4th, SEMARA business meeting:

After the pledge and roll call, which revealed over 30 members present, the secretary's and treasurer's reports were read and accepted.

Peter, KA1WBE, of the technical committee reported that an estimate of \$105 to \$300 has been received to repair the repeater. It was reported that the repeater was off frequency, and the microprocessors may need replacing. A motion to go ahead with the repairs, up to \$350 passed.

Bill, WA1FYF, of the building and grounds committee reports a new box of towels in the closet, and a new relay installed on the furnace.

Dan, N1HCV, reported that the board of directors conducted an audit of the books, and found everything in proper order, and praised the treasurer for a job well done. Dan also reported that the board held a budget and priorities meeting, which resulted in a budget for the year. Unfortunately, it also revealed a deficit based on the current inflow and expected outflow figures.

Mike, N1ITQ, reported that over 30 people came to the International Night, and everyone had fun. Mike thanked all who participated. Dan, N1HCV, thanked the committee for their hard work.

John, KA1TP, of the bylaws review committee presented the proposed amendments to the constitution and bylaws, which were read aloud by the secretary. Several comments were made by members, but voting and any discussion will be done at the next meeting.

Under old business, Art, KA1VGZ, reported that candy bars are still for sale. He also mentioned that the deadline for 1993 membership dues was this meeting. Mike, N1ITQ, mentioned that the polo shirt order deadline will be extended a month, since there are not enough orders to make the endeavor worthwhile.

Pete, KA1WOJ, got approval from the membership for an even exchange of checks with Larry, KD1MM, for the Zerobeat, since subscribers are addressing the checks to SEMARA/ZEROBEAT.

Under new business, Dan, N1HCV, presented a request from the building and grounds committee about keeping a fire lane open in the parking lot, especially during meetings. It was also requested that no one park in front of the doors.

The date for the Ham Fest was discussed. Several members noted that another festival occurred on the same weekend, which might detract from the ham fest. The membership decided to keep the first Sunday after labor day as "our" ham fest date, which is September 12 this year.

Peter, KA1WBE, mentioned that Bob, N1HCW, has offered to climb the tower (as designated climber?) and check out the antenna system. Peter noted that he would get the club a commercial repeater antenna for dealer cost. The antenna is guaranteed for 5 years. Costs between \$200 and \$500 were discussed, but no action will be taken until the antenna system checkout was complete.

After voting in a new full member, the meeting was adjourned.

Next Meeting

The next SEMARA business meeting is April 1, 1993, 7:30 pm. The club meets

every Thursday, with business meetings on the first Thursday of the month.

By-Laws Committee

The committee to review SEMARA's constitution and by-laws met on February 23, 1993, at 7 pm, at the club building. The meeting was chaired by John, KA1TP. Nine members attended the meeting.

Each section of the club's constitution and by-laws was reviewed, and changes to some sections were noted. Both a summary of the changes and a fully amended document are available for review.

International Night

You couldn't get in the door unless you were carrying food! And did the food come! And was it delicious! If you missed the International Night Food Festival at the club house, you missed a gourmet's delight.

What kind of food did you miss? Well, Morris, WB1GJO, brought the pot roast. Len, WA1CNO, and Rita, brought the stuffed cabbage (mmm mmm!). We also had meat pie from Russ, N1KKL, and Kay, and kielbasa from Bill, WA1FYF. John, KA1TP, brought a delight he concocted aboard the Mighty Tugboat Acushnet, namely Danish style clam and shrimp chowder.

From Mike's kitchen, N1ITQ we had Garfield's favorite, you guessed it, lasagna. Art, KA1VGZ, and Aline also brought lasagna. Someone kept moving the sign cards, so nobody knows which dish was which.

Dan, N1HCV, and Pat brought shepard pie, while Bob, N1HCW, presented a salmon pie. Pete, KA1WOJ, and Pat, KA1YUH, madea Italiana meata balls.

Repeater Directory

145.150 - WA1DGW, Fall River
 145.490 - KA1WBF, Fairhaven
 146.700 - WA1RBT, Cranston
 146.655 - WA1GPO, Falmouth
 147.000+ W1AEC, South Dartmouth
 147.135+ Taunton
 147.180+ Bridgewater
 147.315+ Wareham

 442.200+ Fall River
 443.450+ Westport
 444.350+ W1ACT, Fall River

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

Packet Directory

145.990 NS1N
 145.010 Fara Digi
 145.090 KD1MM
 145.570 WA1OAJ
 146.430 KQ1K

Z-Signals (Part 1)

The following Z-Signals have been adopted for Informal QSO use. (Z signals take the form of questions when followed by a question mark.)

ZRC - Do you make cow sounds when you tune up on phone? I make cow sounds when I tune up on phone.

ZRD - Are you in charge of donuts for your club? I'm in charge of donuts for my club.

ZRE - Do you have to go eat now? I have to go eat now.

ZRF - Are we having fun yet? I don't think we're having fun yet.

ZRK - Is your radio near the kitchen? My radio is near the kitchen.

ZRP - Do you have to go to the bathroom? I have to go to the bathroom.

ZRV - Can you do the Vulcan hand greeting? I can do the Vulcan hand greeting.

ZRX - Do you have a Xerox machine? I have a Xerox machine.

(Please read the previous sentence with an Italian accent, thank you.) Richard, KA1YDE, and Nancy, brought cheese stuffed shells. Larry, KD1MM, had his special secret recipe favas simmering in the crockpot.

Lisa, KB1ANJ, brought a beautifully decorated USA country/flag cake, and Fred, N1KKI, carried in a bucket-o-mud pie.

A great time was had by all, thanks to those that participated, and thanks to the ways and means committee, Mike, N1ITQ, Russ, N1KKL, and Pat, KA1YUH. The next function will be a clam boil in May!

Member Profile

This month, we profile Mike Miller, N1ITQ, this year's Secretary.



Now serving his second year as secretary, Mike was originally licensed in December 1991 as a Technician, and is currently studying to upgrade to General. Mike's

favorite modes are 2-meter FM and 10-meter SSB. Using a Swan 500-C, and a Kenwood 2600 ht, with a Ringo-Ranger and Cushcraft D3 dipole Mike gets on the air as often as he can.

Mike currently has no children, nor a spouse, but is willing to be flexible in both those areas. He is currently employed at Circuit Tech Inc. as a silk screener.

In the coming year he hopes to present to the membership lots of new activities, like the past international night and upcoming clam boil, and socially integrate the membership and to unite the membership as one group. Being that next year he cannot remain secretary, he hopes to still be the ways and means chairperson, and possibly run for a board of directors position.

Trivia Net

Join the Trivia net at 8 p.m. each Sunday Night, on 147.000! The categories are:

Genus deck:	1980's deck:
Geography	Personalities
Entertainment	Entertainment
History	In the news
Art & Literature	That's life
Science & Nature	Sports & Leisure
Sports & Leisure	Wild Card

Field Day



Mark your calendars! Field day is June 26 and 27! We'd like to encourage all Amateur Radio Operators in the area, especially SEMARA members to participate. Sign-up now for your hour or two turn at field day duties.

Polo-Shirts

Polo-shirts are still available as a joint effort between Mike Miller, N1ITQ, 995-3633, and Pete Carreiro, KA1WOJ, 993-6262. With a minimum of 12 shirts needing to be ordered in order to move forward with the project, more participation will be required.

Building Rentals

Please remember the building is rented to the dog club every Friday night. Also, the building is being rented out on April 3 from 9-5. If you know any prospective renters, it could sure help out the club!

Transmitter Hunt

Get your direction finding equipment tuned up! We're going hunting! On the last Saturday of each month from February to May, at 8:30am, the fox will hide, the hunters will hunt. The winners will gain points and prizes.

1-800-32NEWHAM

The ARRL has a special 800 number for prospective Hams: 1-800-326-3942. Callers will receive some free literature about amateur radio.

Repeater Autopatch

Since the repeater is being repaired, it is expected that the 700 series personal autopatch functions will be re-programmed. If you desire to have your own autopatch code, please contact the technical committee with your name, callsign, and phone number. Remember, you must be a SEMARA member to use the autopatch functions.

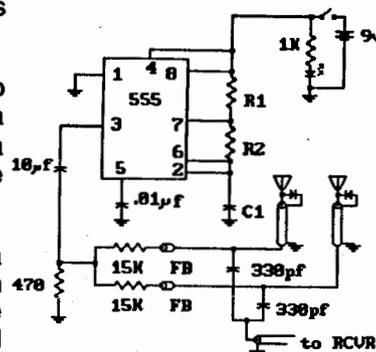
WB9MUP's Doppler Antenna

At one of the Direction Finding Classes, Kevin, WB9MUP, presented some ideas related to the doppler detector antenna system. The schematic for his system is shown below, and is based on a 555 Timer IC, and a handful of parts.

The general idea is to detect a frequency shift by quickly switching between two identical antennas. By switching antennas about a thousand times a second, the received signal is modified according to when the signal reaches the antennas.

When the signal reaches both antennas at the same time, the receiver will notice no difference. When the signal reaches the antennas at different times, the receiver notices a 'doppler' effect, which ends up creating a tone in the speaker. By moving the antenna system around, the tone can be nulled when the signal is perpendicular to the line of the antennas.

When building this gadget, care should be taken to keep the feed lines to each antenna equal. All values can be modified slightly. The critical values are for R1, R2, and C1, which should be set to provide a frequency between 800 and 1000 hz, with a symmetrical duty cycle of 50%. Values of 1k Ω , 15k Ω , and .1 μ f have been known to work well. The pin diodes should be 1N914 or similar, and should be mounted right at the antenna.



The Packet Racket

Larry Houbre 3/93

CONNECT ZEROBEAT.W1AEC.SEMARA.MA
SB ALL

The packet address book is in the works. If you haven't sent me your packet address, please do so soon! You can leave a message for me by "SP KD1MM@K1ALTHM".

A full-service packet radio mailbox system is under test, and can be reached on 145.090 as KD1MM. (This was originally reported as 145.710.) It's up "almost" all the time, as equipment has not been fully dedicated to the task, although that should be happening soon. Arrangements have been made to connect to the national distribution system, giving us access to mail and bulletins, so as soon as the equipment is in, it really WILL be full service!

Some of you may be wondering how to go about "connecting" to another packet station. After getting all the equipment hooked up, and your transceiver tuned to the correct frequency, you issue a "connect" command, such as:

C KD1MM

Your TNC handles making the connection with the other station. Once connected to a full service type PBBS, there are several common commands you can issue, such as "LM" to "List Mine", which lists any message waiting for you. When you find a message you wish to read, you can enter "R #", where the "#" is replaced with the number of the message you wish to read.

Next month, we'll go over how to send a message. In the between time, why not try connecting to KD1MM?

/EX
DISCONNECT

Mystery Photo

Can you guess who's photo this is? He's been a member for years, and regularly attends club meetings, unless he's traveling on vacation. He currently holds an advanced license, and carries a lethal weapon. He's a retired professional, as is his brother. He can also be heard, on occasion, on 2-meters.



Last month's mystery photo was none other than Bill Miller, K1IBR.

Call Sign Changes

The following members have changed callsigns:

Charles Leach, KD1AT (was KA1SKU)
Clifford Snell, N1BOA (was WA1PYW)

Famous Hams

Know any famous hams?

KB2GSD - Walter Cronkite
KD6OY - Garry Shandling
K7UGA - Barry Goldwater
N9YOS - Lou Lou Beaulieu
WB4KCG - Ronnie Milsap
K7TA - Clifford Stoll

SEMARA OFFICERS

President

Dan Souza, N1HCV, 993-0678

Vice-President

Arthur Arutunian, KA1VGZ, 992-5222

Secretary

Mike Miller, N1ITQ, 995-3633

Treasurer

Pete Carreiro, KA1WOJ, 993-6262

Board Members

Dr. Norm Riley, W1ATI

Pete Jarosik, KA1WBE

Marc Jodoin, KA1WBF

Trustees

Dr. Norm Riley, W1ATI, Chairman

Bill Field, WA1FYF

Morris Fogaren, WB1GJO

Joe Midurski, W1EKW

Edward Blouin, KA1AW

Activities Committee

Art Arutunian, KA1VGZ, Chairman

Buildings & Grounds Committee

Bill Field, WA1FYF, Chairman

Technical Committee

Pete Jarosik, KA1WBE, Chairman

Ways & Means Committee

Mike Miller, N1ITQ, Chairman

For-Sale/Wanted

FOR SALE: A limited supply of tower holes. Can also be used for underground antennas for those of you that have antenna restrictions.

Personal 'For-Sale' and 'Wanted' ads can be placed in the Zerobeat. A standard ad is no more than 40 words. Members

Calendar

Mar 20, Ham Fest, Westboro
 Mar 27, 8:30a, Transmitter hunt
 Mar 27, 10a, Westport MS Walk
 Mar 28, Ham Fest/Exams, Framingham

Apr 1, 7:30p, Business meeting
 Apr 3, 11a-4p, GroupNet BBS Show
 Apr 17, CEMARC Meeting
 Apr 18, MIT Flea Market
 Apr 24, 8:30a, Transmitter hunt

May 1, 10a, VE Exams, So. Dart., MA
 May 6, 7:30p, Business meeting
 May 7-8, Hoss Traders, Rochester, NH
 May 16, MIT Flea Market
 May 29, 8:30a, Transmitter hunt

Jun 3, 7:30p, Business meeting
 Jun 6, Flea Market, Newington, CT
 Jun 20, MIT Flea Market
 Jun 19 & 20, MS Bike Tour
 Jun 26 & 27, Field Day

Jul 1, 7:30p, Business meeting
 Jul 18, MIT Fleas Market
 Jul 24, ARRL NE Div. Convention, NH

Aug 5, 7:30p, Business Meeting
 Aug 15, MIT Flea Market

Sep 2, 7:30p, business Meeting
 Sep 12, Ham Fest/Exams, Dartmouth
 Sep 19, MIT Flea Market
 Sep 26, Ham Fest/Exams, Framingham

Oct 7, 7:30p, Business Meeting
 Oct 15-16, Hoss Traders, Rochester, NH
 Oct 17, MIT Flea Market
 Oct 30, National Exam Day

Nov 4, 7:30p, Business Meeting

Dec 2, 7:30p, Business Meeting

To schedule your event, contact Mike Miller, N1ITQ, at 995-3633.

may have one free standard ad per issue. Additional ads, or ads placed by non-members are \$5.00 for a standard size, and \$.25 per word over 40 words.

VE EXAMS

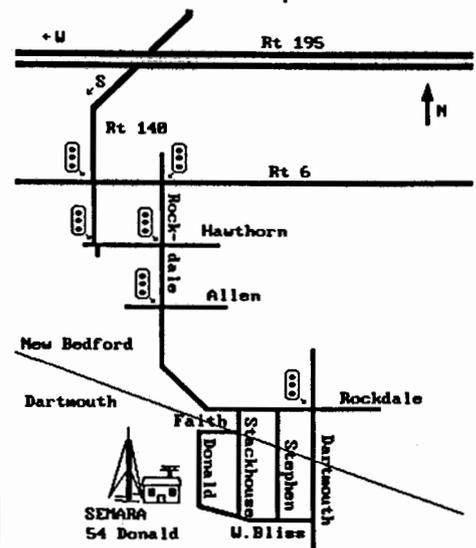
March:

20 Melrose, MA Scott, 617-322-7654
 21 Athol, MA John, 508-249-5905
 24 Cambridge, MA Nick, 617-253-3776
 26 Holyoke, MA Jim, 413-245-3228
 27 Worcester, MA Bob, 508-928-4459
 27 Slatersville, RI Bob, 401-333-2129
 28 Framingham, MA Dick, 508-877-0563
 28 Milford, CT Richard, 203-874-1014

April:

3 Newport, RI Jim, 401-683-2252
 4 Cranston, RI Jane, 401-725-8752
 5 Cambridge, MA Bob, 617-593-1955
 8 Providence, RI Judy, 401-231-9156
 10 Falmouth, MA Geoffrey, 508-548-0969
 11 Gloucester, MA Al, 508-922-3307
 14 Billerica, MA Bruce, 508-851-2886
 17 Melrose, MA Scott, 617-322-7654
 21 Cambridge, MA Nick, 617-253-3776
 24 Slatersville, RI Bob, 401-333-2129
 25 Athol, MA John, 508-249-5905

Not sure where the clubhouse is?
 Follow this map to fun!



SEMARA, Inc.
 54 Donald Street
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