

ZERO BEAT

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



OUR 71st YEAR

Volume 39, Issue 7

SEMARA W1AEC

July 2003

80 FOOT TOWER ERECTED!

On Thursday, June 12, 2003, the club's new 80 foot self-supported tower was erected using a 120 foot high hydraulic crane. The sky was overcast, and occasionally a sprinkle would fall, but the work went forward.

Two picks were required to accomplish the task. First, the crane hoisted the middle section of the tower into place. It was a 40 foot section (two standard 20 foot sections bolted together) that ran from 20 to 60 feet on the tower. The 20 foot base was previously erected weeks earlier to allow leveling adjustments. A small crane was used to place the 943 pound bottom section on the concrete base.

Finally, the top 20 foot section, complete with the Sommers 6 through 40 meter beam, Diamond 2/440 antenna, and the Prosistel rotator attached, was hoisted into position. Bolting the tower sections together were members **Al Costello, KB1EAG**, **Bill Miller, K1IBR**, and **Scott Szala, W1EV**.

After a 6 foot high fence is installed around the tower base, a messenger cable will be run to the radio room to support the four hardline coaxial feeds and the rotor power and control cables. It is anticipated that the above work will be completed well before July 1st.

A big "THANK YOU" goes out to all the dedicated members that helped make this project a success. Without your help the project would be an unrealized dream. *THANKS!*



Shown above is the newly installed 80 foot tower with a Sommers 6 through 40 meter log-yagi and a Diamond 500XL covering 2 meters and 440. Once the 160 and 80 meter inverted Vs are installed, the tower will host antennas from 160 meters to 440 MHz! Four hardline coaxial cables (three 7/8" and one 1-5/8") will feed the system from the radio room.

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

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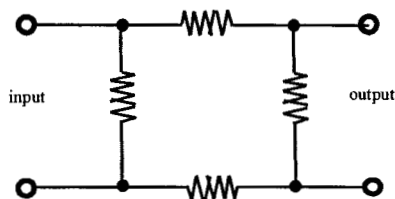
ADVERTISING

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.

NAME THAT CIRCUIT



- 1.) "PI" Attenuator
- 2.) "O" Attenuator
- 3.) "H" Attenuator
- 4.) Wien Bridge Attenuator
- 5.) Wheatstone Bridge Attenuator

ANSWER - See page 7

AL CROOK MAKES MEMORIAL DONATIONS

Al Crook, N1ALN, made two memorial donations to the club on June 16, 2003. He donated a Kenwood TS-520S with a digital readout unit, an Icom IC-745, and several other pieces of radio and test equipment in memory of his late wife Betty. Betty was also a ham, her call letters were N1EHR.

Al also donated a Vibroplex type keyer for use in the club station. The keyer was donated in memory of former club member Harry Schellenberg, W1GHX. Words describing the memorial donation have been inscribed on the bottom of the keyer and it is now in use at W1AEC, the club's station.

We owe Al a big "THANK YOU" for this extremely generous donation to the club.



2003 SEMARA OFFICERS

President
 Raymond Arruda, KB1EVX

Vice President
 Carl Bredberg, K1KID

Secretary
 Henry Blanchett, W1GYL

Treasurer
 Scott Szala, W1EV

Trustees:

William Vincent, W1POW - Chairman
 Edward Blouin, KA1AW Norman Riley, W1ATI
 Andrew Reuter, WA1FNM William Miller, K1IBR

Board of Directors:

Martin Jordan, KA1YFV
 Andrew Reuter, WA1FNM
 Bill Vincent, W1POW

MEETING MINUTES

The June business meeting was called to order at 7:00 pm by President **Ray Arruda, KB1EVX**. Thirty-Four members and no guests were present. The Secretary's report was read and accepted. The Treasurer's report was read and accepted.

The minutes of an emergency Board of Director's meeting concerning an altercation between two club members and the action taken by the Board was read along with the minutes of a regularly scheduled Board meeting.

COMMITTEE REPORTS

Buildings and Grounds – Andy Reuter, WA1FNM, asked all members to please help keep the restrooms clean.

Technical – All radio equipment working fine.

Activities - On Field Day families are welcome - please provide Scott Szala, W1EV, with a headcount so plenty of food will be available. The Chicken BBQ will be held in August. We might run a seafood fry in late July.

Scholarship - No report.

Internet - No report.

Fleamarket - Flyers ready for distribution at all fleamarkets, hamfests, and local businesses.

ARES Coordinator - Rob Macedo, KD1CY, stated an ARES Workshop is planned for Saturday, August 9th.

Communications - Carl Bredberg read a notice posted on the Internet about an award given to member Rob Macedo. Rob was given a round of applause.

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

President's Comments - President **Ray Arruda, KB1EVX**, thanked all members that have been working on the new 80 foot tower. Ray also thanked all the members that have donated radios and equipment to the upcoming Fleamarket this fall. He also reported that Sam Wagstaff and his wife are both in the Oaks Nursing Home. Ray stated that starting Monday, June 9, 2003, the SEMARA 2 meter net will be held on the 147.00 repeater instead of on a simplex frequency.

Old Business - Scott Szala gave a progress

report on the new 80 foot tower. He also gave a financial overview of monies spent to date as well as an accounting of money saved from several very generous donations of material to the project by local businesses.

New Business -

1) A motion to make the club "SMOKE FREE" was passed.

2) A motion to ban all animals from the club was defeated.

Secret ballots were called for on both of the above motions. The discussion of the above motions was quite lively!

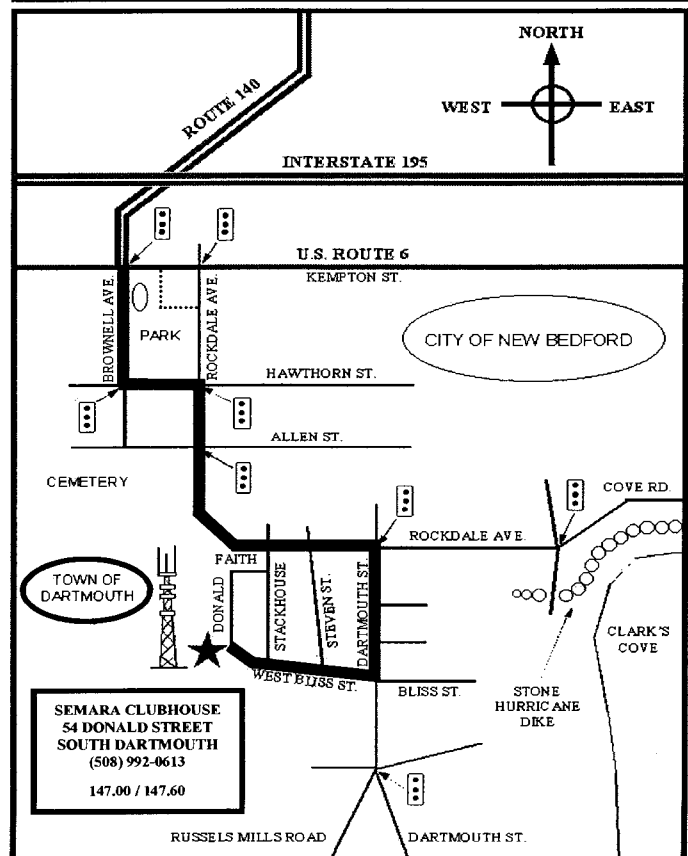
For the good of the club - Nothing brought up at this meeting.

The meeting adjourned at 8:15 pm.



NOTICE
SMOKING IS BANNED WITHIN
THE SEMARA CLUBHOUSE

DIRECTIONS TO CLUB





CLUB NOTES

July is cookout month. Fire up the barbecues and enjoy! The 4th is on Friday - fireworks and firecrackers. Celebrate our great country's independence.



Two applicants were voted life members of the club during the May 1st business meeting:

James R. Gilbert, (No Call)

Christopher Washburn, KB1JYE
Welcome to the club!



Richard Netinho, KE1AN, donated a truckload of equipment for sale at the fall Fleamarket. Among the items are SWR/power meters, a tube tester, dummy loads, power supplies, Drake TVI filters, a transistor tester, CB radios, AR-22 rotator, coax, and antennas.



Thanks, Richard, for the great donation!

Dave Dean, K1JGV, spent a few days in the hospital in late May for a minor medical procedure. The grass at the club took advantage of Dave's misfortune and grew like crazy! (Dave is the club's yardman.)



Bill Field, WA1FYF, donated a STIHL chainsaw to the club. This saw will prove handy for trimming out the brush and saplings around the club's property.

Thanks, Bill!



Bob Branco passed the Technician amateur examination and was issued the call letters KB1JVU. Bob is on two meters using an old Icom 2AT walkie.
Congratulations, Bob!

KB1JVU
On the air!

Marty Jordan, KA1YFV, donated several pieces of radio equipment for sale at the fall Fleamarket. *Thanks, Marty!*

Ray Martin, KC1XW, donated items for sale at the Fleamarket and an ARRL operating manual for use by the club. *Thanks, Ray!*

DONATIONS

Ed Duclos, WA1ZCB, joined the Quarter Century Wireless Association (QCWA) recently. His name was published in the Summer-2003 issue of the QCWA Journal. *Congratulations, Ed, on becoming an "Old Timer!"*



Brian Parent, KB1FYS, graduated from the Dartmouth Middle School on June 18th of this year. Brian was licensed at an early age and is one of the club's youngest members. *Congratulations, Brian!*



During the June 5th business meeting, members voted to ban all smoking within the clubhouse. Smokers must now go outside the clubhouse to smoke. The vote was taken by secret ballot and was passed 2 to 1 in favor of the ban.



ELECTRONICS CONVERSION CHART

- 1 Megacycle = 1,000,000 bicycles
- 1 Megaphone = 1 billion microphones
- 1 Kilohertz = 1,000 aches
- 1 Horsepower = basic unit of laryngitis
- 1 Hertz = 1 stubbed toe



TOWER UPDATE VIA PICTURES

TOWER ERECTION DAY - JUNE 12, 2003

ALL PHOTOS COURTESY OF CHUCK MOSZCZENSKI, KB1FRL



AVIATION TECHNOLOGY TECH-TALK

SEMARA member **Dave DeCosta, KD1YZ**, presented the June Tech Talk. His talk was on "Aviation Technology." Dave has flown planes for many years, including a daily commercial seaplane flight out to Cuttyhunk Island in years past.

Dave covered all aspects of aviation, starting with safety concerns for pilots. He pointed out that 60% of flying is staying abreast of the weather, and stressed the importance of barometric readings to pilots. Lack of attention to this one detail causes many crash landings, most commonly falling short of the runway when landing, or slamming into a mountainside when flying.

After noting that 20% of flying involves the plane itself (design and maintenance), Dave pointed out that the remaining 20% of flying rests with the pilot - his training, ability, and experience. He gave several examples of what a pilot should do under different emergencies, including loss of the engine. Dave used several anecdotal stories to drive home the problems a pilot can face.

Dave is currently building his own ultralight airplane and brought the engine to the lecture. It was a small two cylinder affair, yet capable of powering the plane.

Dave is a very effective speaker, and used just the right amount of humor to keep the audience focused on the lecture. It was a most interesting two hour talk and captured the attention of all present in the hall.

Thanks, Dave!



NEXT SEMARA VE SESSION

July 12, 2003
10:30 am
SEMARA Clubhouse

JULY VE SESSIONS

14 Brookline, MA
Mike Ardai
781-321-7939

10 Providence, RI
Judy Nelson
401-231-9156

12 Falmouth, MA
Ben Fleck
508-540-2583

26 Danvers, MA
Neil Henden
978-777-1608


POINT TO PONDER

"While democracy must have its organizations and controls, its vital breath is individual liberty."

*Justice Charles Evans Hughes
(1862 - 1948)*

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2) "O" Attenuator

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SEMARA EVENT CALENDAR

<p>JULY 2003</p> <p>3 - Business Meeting, 7:00 pm. 10 - Ragchewing, 6:30 pm. 12 - VE Session, 10:30 am. 17 - Tech-Talk, 7 pm, "Show and Tell Night" Show off your favorite radio device/gadget. 24 - Board of Directors Meeting, 6:30 pm. 31 - ZERO BEAT folding party, 6:30 p.m.</p>	<p>AUGUST 2003</p> <p>2 - VE Session, 10:30 am. 7 - Business Meeting, 7:00 pm. 14 - Ragchewing, 6:30 pm. 21 - Tech-Talk, 7 pm, "Wireless Computer Networking" by Tim Smith, N1TI 28 - ZERO BEAT folding party, 6:30 pm.</p>
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Coffee Hour at the clubhouse every Sunday at 7 - 11 am. Drop by and ragchew!

SEMARA NET DIRECTORY

Sunday - 8 am 28.700

Daily - 7 pm 146.550

Monday to Friday
7:30 am 3.872 MHz

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

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

SEMARA SWAP NET Every Monday at 7:30 pm on 147.00/.60

2003 FLEAMARKETS

July 26 - Swansea, MA

August 7 - MIT

September 14 - SEMARA!!!

September 20 - Forestdale, RI

September 21 - MIT

LOCAL REPEATER DIRECTORY

Frequency	CTCSS	Call	Location
144			
145.150 -	123.0	WA1DGW	Fall River
145.490 -		KDICY	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
147.345 +	88.5	KB1QL	Vineyard
147.135 +	67.0	ND1N	Taunton
147.180 +	67.0	W1MV	Bridgewater
146.730 -		W1SGL	Sandwich

Frequency	CTCSS	Call	Location
440			
441.400 +	192.8	WG1U	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	W1RJC	Dartmouth
444.200 +	118.8	N1YHS	Bourne
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

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

SEMARA

FIRST CLASS

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January 2011