



ZERO BEAT

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



OUR 70th YEAR

Volume 38, Issue 9

SEMARA W1AEC

September 2002

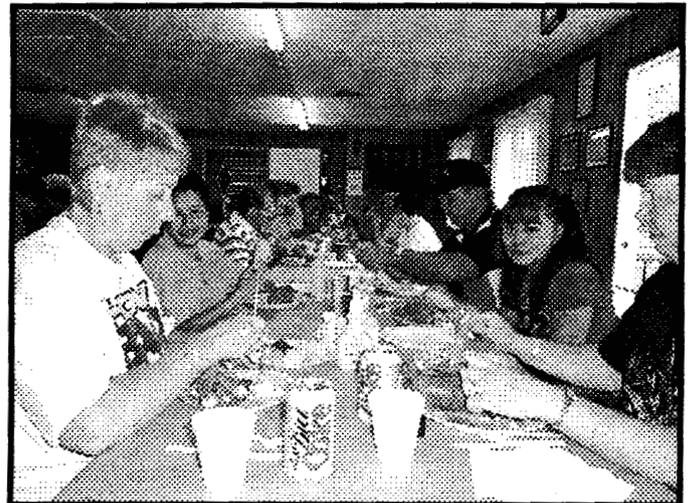
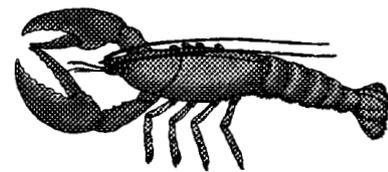
LOBSTER BOIL A GREAT HIT WITH MEMBERS

Saturday, July 27th, saw fifty members and guests sit down to a Lobster Boil at the clubhouse. Kicking off the affair at 12 noon was a creamy clam chowder. Then each attendee chowed down with two lobsters and delicious locally grown sweet corn from Noquochoke Orchards in Westport..

The select Plymouth Bay lobsters were rushed from the boat to the clubhouse by member Al Costello, KB1EAG, who along with Scott Szala, W1EV, made all the arrangements for this successful boil.

An added touch to the festivities was provided by Henry Blanchett's, W1GYL, wife Joan who hung a slate roofing tile by the door. The slate tile had a painting of a lobster on it. The lobster greeted everyone as they entered the clubhouse!

A big "THANK YOU" goes out to all the members that helped make this event a success.



IEWS OF LOBSTER BOIL IN FULL SWING

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**Southeastern Massachusetts
 Amateur Radio Association, Inc.**
 54 Donald Street,
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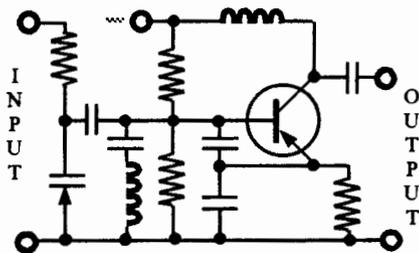
ADVERTISING

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

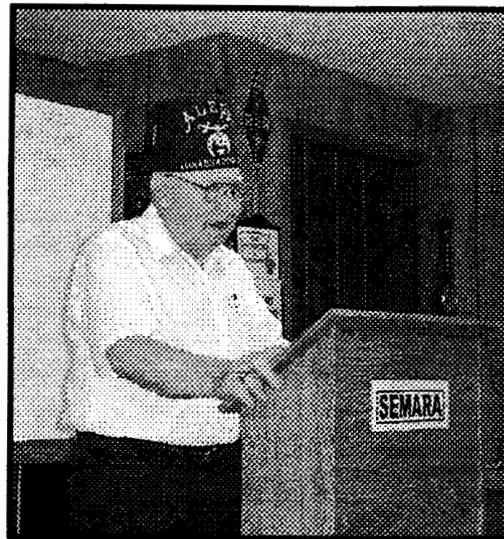


- 1.) FM Phase Modulator
- 2.) Modulated Hartley Oscillator
- 3.) Missing Pulse Detector
- 4.) Sync Pulse Extractor
- 5.) Direct FM Modulator

ANSWER - See page 7

SHRINERS EXPLAIN THEIR MISSION

On August 15, 2002, the Shrine Club of Southeastern Massachusetts explained their mission to club members. Shrine club president Ernest Torres brought two speakers to the club - Ralph Brown and Ralph Hall.



SHRINER RALPH HALL

Ralph Hall spoke first and gave an in depth talk on the Shrine hospitals for children as well as local projects the Shriners actively promote. One local project is collecting Campbell soup labels for the Schwartz Center. The Center then turns them in to Campbell's for items the Center needs. Another local project is providing police, fire, and ambulances with teddy bears to comfort injured children. Ralph also explained that the soda can pull tabs they collect are sold as scrap and the money placed in a "travel fund" to provide free transportation of injured children to the Shrine hospitals.

Ralph Brown was the second speaker of the evening and explained the financing of the 22 Shrine hospitals (20 in the United States and one in Mexico and Canada.) He also named several famous persons that are Shriners. The 2002 budget for the hospitals is well over 500 million dollars. In addition to an endowment fund, Shrine hospitals are supported by Shrine rodeos and a circus, the East/West Shrine football game, and similar events.

Any child in the world up to age 18 is eligible for treatment at a Shrine hospital at *no cost*. Shrine hospitals treat burns, spinal-cord injuries, and orthopedic problems. If you know of a child that can benefit from treatment in a Shrine hospital, call 508-992-0972 to arrange a free local clinic screening examination.

CLUB FLEAMARKET SEPTEMBER 8TH

2002 SEMARA OFFICERS

President
 Raymond Arruda, KB1EVX

Vice President
 William Miller Jr., K1IBR

Secretary
 Henry Blanchett, W1GYL

Treasurer
 Scott Szala, W1EV

Trustees:

Martin Jordan, KA1YFV - Chairman
 William Vincent, WIPOW Edward Blouin, KA1AW
 Norman Riley, W1ATI Andrew Reuter, WA1FNM

Board of Directors:

Edward Blouin, KA1AW
 Martin Jordan, KA1YFV
 Richard Simpkin, WA1CRA

MEETING MINUTES

The August business meeting was called to order at 7:03 pm by President **Ray Arruda, KB1EVX**. Twenty-five members were present. The Secretary's report was read and accepted. The Treasurer's report was read and accepted.

COMMITTEE REPORTS

Buildings and Grounds - Chairman **Andy Reuter, WA1FNM**, reported that lights are being left "ON" in the clubhouse. Members are requested to be sure all lights are "OFF" before leaving the clubhouse.

Technical - The PSK-31 rig is up and running. **Scott Szala, W1EV**, donated a 1.5 GHz computer for the system and **Matt Vangel, KA1THM**, loaned a 19 inch monitor. **Carl Bredberg, K1KID**, assembled the 20 meter transceiver kit purchased by the club.

Installation of the new repeater antenna setup is waiting for the AT&T work to commence at the tower site. When the crane is on-site for the AT&T tower work, our antenna will be hoisted into position, most likely in about two months.

Activities - The members voted to have a Turkey Dinner on the third Thursday of October at the Century House in Acushnet.

Scholarship - No report.

Internet - No report

Fleamarket - Chairman **Andy Reuter, WA1FNM**, requested that members start donating items for the club's table at the fleamarket.

Communications - The sewer lien on our property has been cleared and recorded at the Bristol County Registry of Deeds.

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

President's Comments - Ray thanked all the club members that helped make the lobster boil a success. He also thanked all members that worked on shingling the south side of the clubhouse. Finally, he requested that members check that all lights are "OFF" when leaving the clubhouse.

Old Business - **Rick Cabral, W1RJG**, will meet with AT&T next Tuesday (August 6th) for the Internet cable installation.

A motion was passed covering the cost overrun

for the Lobster dinner held in July. (\$200)

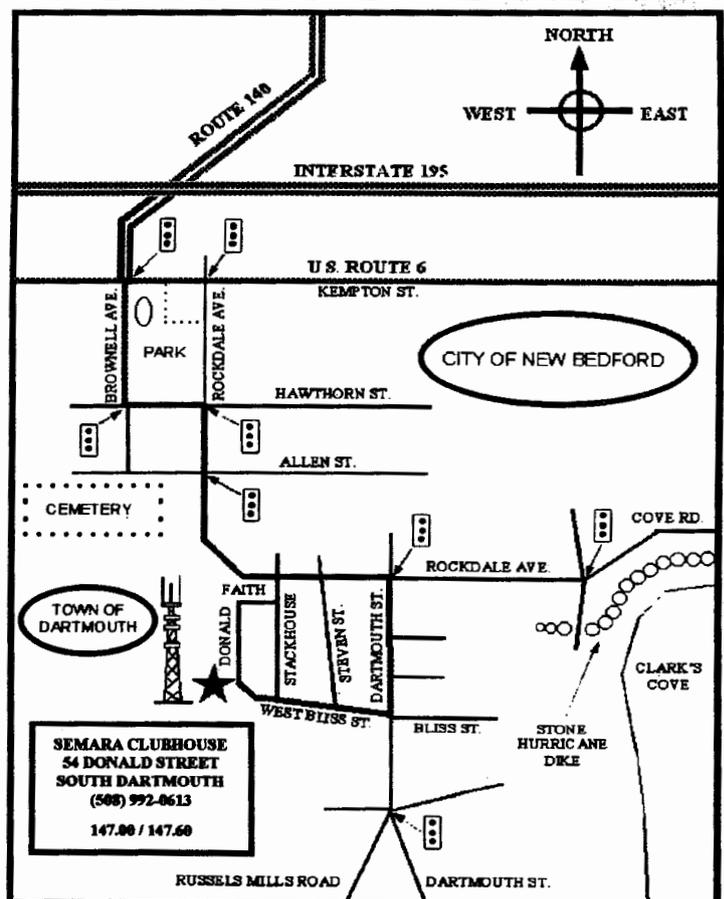
New Business - The following motions passed:

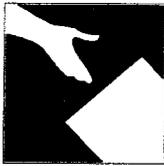
- 1) A motion to purchase a speaker-phone for use during the Wayne Green Tech-Talk this coming September. (\$100)
- 2) A motion to purchase two propane burners complete with pots for club cookout use, field day, etc. (\$150)
- 3) A motion to purchase two Polyphaser lightening protectors for the radio shack. One is for the new PSK-31 rig, the other is a spare. (\$160)
- 4) A motion to purchase 75 folding chairs for the meeting hall. (\$800)

For the good of the club - **Bob Methia, N1HCW**, was thanked for the large donation of radio equipment made to the club for the upcoming Fleamarket. **Jean Jason, KB1GGM**, was thanked for the donation of two US Army field offices. (Great for Field Day use!)

The meeting adjourned at 7:55 pm.

DIRECTIONS TO CLUB





CLUB NOTES

September - cool nights are here! Fall is just around the corner, officially beginning on the 23rd. The only holiday this month is Labor Day on Monday the 2nd.

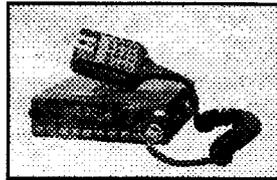


Four applicants were voted life members of the club during the August 1st business meeting:

- Robert Branco, (no call)
 - Richard D'Auteuil, N1ADW
 - Mike Ponte, WA1BZJ
 - Robert Zeida, N1BLF
- Welcome to the club!*



A big "THANK YOU" goes out to Sam Wagstaff, N1PGN, who donated several items to the club including an Alinco model 110 2 meter mobile transceiver. *Thanks, Sam.*



A big "THANK YOU" also goes out to Bob Methia, N1HCW, for his large donation of radios and equipment for the upcoming Fleamarket. Among the "goodies" is a Sony ICF-2001 receiver, Lafayette HA-460, President HR2600 all-mode 10 meter transceiver, and various CB sets and clock radios. *Thanks, Bob!*

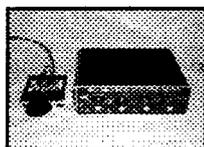


**SONY ICF-2001
150 KC TO 30 MC
AM/SSB/CW/FM**

Another "Thank You" goes out to Jean Jason, KB1GGM, for his donation of two US Army field offices to the club. They are a neat Field Day item. *Thanks, Jean.*



Pete Lagasse, N1XKD, donated a MFJ-407C Deluxe Electronic Keyer and a bench code key to the club for use in the radio room. *Thanks, Pete.*



GEORGE HANCOCK JR. DEAD AT 70

Former club member George P. D. Hancock Jr., WA1MMU, died on Thursday, August 1, 2002, in Clinton, Mississippi. George formerly lived in Westport where he was a Deputy Fire Chief. George joined the club in 1977.



Rest in peace, George.

Roger Hyham, KB5FDE, and his wife, paid the club a surprise visit on Thursday, July 25th. Roger was a member of the club in the 1950s. Roger now lives in Texas.



Matt Vangel, MKA1THM, donated several computer related items (including a working laptop) for the upcoming Fleamarket. *Thanks, Matt!*



Bob Branco donated a complete CB setup with mobile antenna to the club. The set is a COBRA 148GTL with a Paradynamics PDC-256 digital readout, and a 13.8 volt, 7 ampere power supply. *Thanks, Bob!*



AMATEUR RELATED CDs AVAILABLE

Bob Zeida, N1BLF, records QST and other amateur radio related books on CDs for use by the visually impaired. He has offered to provide the club with such recorded CDs for use by the members. If you are interested in borrowing such CDs please contact any club officer. If enough interest is shown in Bob's offer we shall make arrangements with him to secure the CDs on a regular basis. Sample copies are available at the club.

We are grateful to all members for their cards, prayers, and attendance at the wake following the loss of our son. We greatly appreciate your support and condolences at this time in our life. Thank You.

Jackie & Sonny Mello <KaLesg>

PSK31 SETUP AT CLUB ONLINE!

The PSK31 setup at the club is now online. Carl Bredberg, K1KID, assembled the Small Wonder Labs model PSK20 transceiver kit for the club. The output power is a spectrum commanding 3 watts. The rig is fixed on 20 meters and uses a dedicated R5 antenna atop the telegraph pole next to the club's boiler room.

The PSK31 system went online July 20th at 11:25 am when Bill Miller, K1IBR, logged the first club PSK31 contact with Ralph King, K1KOB, of Suffolk, Virginia. Not bad for 3 watts!

The computer used with the setup was donated by Scott Szala, W1EV. A bit of overkill, the computer runs at 1.5 GHz with 256 Meg of RAM. Matt Vangel, KA1THM, loaned a 19-inch monitor for use with the PSK31 setup.

The club owes a big "Thank You" to Carl Bredberg, K1KID, for the work he did to bring this project to fruition.

WHAT IS PSK31?

PSK31 is a narrow band Phase Shift Keyed 31 baud method of communication invented by G3PLX. To a large extent it replaces RTTY and AMTOR. PSK31 is not a high speed communication method but rather a slow reliable communication method capable of extracting signals right down into the noise level. Technically, a PSK31 signal is composed of two tones modulating a SSB carrier. Because of the narrow bandwidth a PSK31 signal occupies, as many as 25 or more signals can coexist on the same carrier frequency within one sideband! This makes PSK31 incredibly spectrum efficient. Carrier frequencies (MHz) on the amateur bands are: 1.838, 3.58, 7.035, 14.070, 21.070, 28.120.



CARL BREDBERG, K1KID, MONITORING PSK31

2002 FLEAMARKETS

- Sept 8 - SEMARA!
- Sept 15 - MIT
- Sept 21 - Forestdale RI
- Sept 22 - Newtown, CT
- Oct 4,5 - Hostraders (NH)
- Oct 12 - Nashua, NH
- Oct 13 - Wallingford, CT
- Oct 20 - MIT
- Oct 27 - VHF/UHF Enfield, CT
- Nov 1 - Feeding Hills, MA
- Nov 16 - Newtonville, MA
- Nov 30 - Windsor, CT

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

PSK 31 RESOURCES

- http://www.qsl.net/dj5kw/body_psk31.html
- <http://www.aintel.bi.edu.es/psk31.html>
- <http://www.qsl.net/wm2u/psk31.html>
- <http://www.w5bbr.com/psk31.html>
- <http://www.kender.es/~edu/indice.html>

GEORGE KIRKWOOD, KB1HJL, WINS JULY FOXHUNT

George Kirkwood, KB1HJL, won the foxhunt held on July 25th. George was assisted by his daughter Jessica and Bill Miller, K1IBR, who drove George around town in pursuit of the wily fox.

The fox on the hunt was **Carl Bredberg, K1KID**, and **Dick Simpkin, WA1CRA**. They hid by the ball field near Nauset and Mount Pleasant streets. At the start of the hunt Carl used a simplex repeater as the fox, but technical problems reared their ugly head and Carl resorted to using the mike. Additionally, shortly after the start of the hunt, Carl and Dick realized they were outside of the foxhunt boundary! They took a short break and relocated to a spot within the hunt zone. (As it later turned out, they were OK at the original spot as they misread the rules regarding the foxhunt area.)

Second place went to **Henry Blanchett, W1GYL**, and **Charlie Days, WA1JFD**, who actually drove right by the fox at one point in the hunt!

Following the hunt, everyone headed to the Kentucky Fried Chicken restaurant at the corner of County and Kempton streets for a bite to eat.



NEXT SEMARA VE SESSION

October 5, 2002

10:30 am

SEMARA Clubhouse

SEPTEMBER VE SESSIONS

- 09 Brookline, MA
Bob Wondolowski
508-865-5822
- 12 Providence, RI
Judy Nelson
401-231-9156
- 14 Falmouth, MA
Ben Fleck
508-540-2583
- 18 Cambridge, MA
Nick Alterndbernd
617-253-3776
- 21 Melrose, MA
Scott Kingsley
781-665-7654

FARA "LICENSE IN A WEEKEND" THIS OCTOBER

License in a Weekend Class

Friday, October 18 through Sunday, October 20, 2002

BARNSTABLE COUNTY FAIRGROUNDS CLASSROOM on Route 151

Text: ARRL'S Tech Q&A 2nd Edition

Schedule: Fri. 7-9pm, Sat. 9am-5pm, Sun. 9am-2pm.

ARRL VEC exams 2 pm Sunday

Course Fee: \$33.00

Course Text, "ARRL's Tech Q&A ": \$12.95*

*can be purchased through us, ARRL, or Radio Store

You must have text to attend course and it must be the latest version (2nd Ed.) of "ARRL's Tech Q&A" study guide for the Technician Class Exam.

First come first serve, class closes with first 25 paid reservations.

Includes lunch Sat & Sun, exam fee

and 1 year free membership in FARA

SIGN UP NOW to reserve a spot!

Call Bob, N1WAT at 508-477-0771 or email: bodot@gis.net

NOTE:

No prior experience required - no age limits - all are welcome.

Class size limited so register early to assure placement. Bring text to class.

POINT TO PONDER

*"The ultimate result
of shielding men
from the effects
of folly is to fill the
world with fools."*

Herbert Spencer

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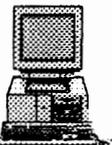


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SEMARA EVENT CALENDAR

<p>SEPTEMBER 2002</p> <p>5 - Business Meeting, 7:00 pm.</p> <p>8 - SEMARA FLEAMARKET 9 am to 1 pm</p> <p>12 - Tech-Talk, 7 pm, WAYNE GREEN, W2NSD, 73 Publisher, via speaker-phone.</p> <p>19 - FOXHUNT, 7:00 pm.</p> <p>26 - BOD meeting, 7 pm.</p>	<p>OCTOBER 2002</p> <p>3 - Business Meeting, 7:00 pm.</p> <p>5 - VE Session, 10:30 am.</p> <p>10 - FOXHUNT, 7 pm.</p> <p>17 - DELUXE TURKEY DINNER, 6 PM Century House, South Main Street, Acushnet</p> 
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Coffee Hour at the clubhouse every Sunday at 7 - 11 am. Drop by and ragchew!

SOUTH SIDE OF CLUBHOUSE SHINGLING COMPLETED

The south side of the club is now shingled. Actually, the whole south side of the clubhouse was rebuilt. New plywood sheathing was installed and then covered with white cedar shingles. A new window was also installed in the kitchen area.

The next project is replacing the rotted wood around the lower portion of the front door. At the same time flashing will be installed in preparation for shingling the front of the club this fall. After the front door work, plans call for removing the window on the north side of the clubhouse prior to shingling the whole north side. And as if that isn't enough work, all front windows must be removed and reinstalled with flashing and new moldings in preparation for shingling work. Handy with a hammer? Drop by and help us (Wednesday mornings - 7am).



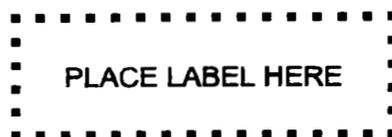
BILL MILLER, K1BR, DRIVES A NAIL HOME

LOCAL REPEATER DIRECTORY

Frequency	CTCSS	Call	Location	Frequency	CTCSS	Call	Location
144				440			
145.150 -	123.0	WAIDGW	Fall River	441.400 +	192.8	WG1U	Assonet
145.490 -		KD1CY	Fairhaven	442.200 +	88.5	N1NRL	Fall River
146.445 +1Mhz	91.5	KB1BWN	Dartmouth	442.600 +	100.0	K1LIQ	Tiverton, RI
146.655 -	88.5	WAIGPO	Falmouth	443.450 +	88.5	K1MYL	Westport
146.805	136.5	K1RFI	Fall River	443.500+	141.3	K1PBO	Barnstable
146.685 -		W1LM	Plymouth	443.600 +		NS1N	Norwell
146.955 -	88.5	K1PBO	Dennis	443.800 +	88.5	W1RJC	Dartmouth
147.000 +	67.0	W1AEC	Dartmouth	444.200 +	118.8	N1YHS	Bourne
147.345 +	88.5	KB1QL	Vineyard	444.250 +	141.3	WAIGPO	Falmouth
147.135 +	67.0	ND1N	Taunton	444.350 +	88.5	W1ACT	Fall River
147.180 +	67.0	W1MV	Bridgewater	444.550 +	88.5	W1MV	Bridgewater
146.730 -		W1SGL	Sandwich	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