



# ZERO BEAT

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



OUR 69th YEAR

Volume 37, Issue 7

SEMARA W1AEC

July 2001

## MEMBER'S ONLY RAFFLE WON BY CHARLES LEACH JR, N1BUD

**T**alk about luck! **Charles Leach Jr., N1BUD**, was voted into membership during the June 7th business meeting and then won the "Members Only" raffle of an ICOM W32A dual-bander held following the meeting.

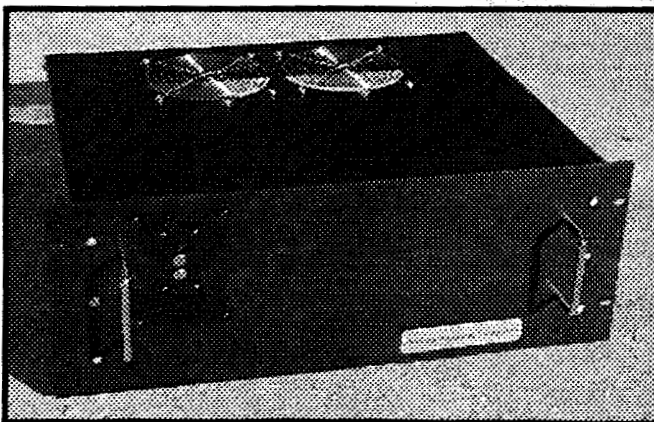
Since Charles couldn't make the meeting, his neighbor **Ed Blouin, KA1AW**, accepted the raffle prize for him. Ed is shown next to the raffle drum accepting the prize for Charles from club guest **Ejnert Sorensen, OZ1AQW**, of Denmark who drew the winning ticket.



**ED BLOUIN ACCEPTING THE PRIZE FOR N1BUD**

This "Members Only" raffle generated a profit of \$50.05 for the club. If you missed out on this opportunity, you still have another chance to win an ICOM W32A. The grand door prize at the September Fleamarket is an ICOM W32A!

## 100 WATT AMPLIFIER ON-LINE



**O**n June 26, 2001, the new Vocom 100 watt 2 meter amplifier went on-line. The unit is entirely self-contained in a standard 19 inch rack panel, including a switching power supply powered by 120 VAC. Upon loss of AC power, the unit automatically goes into the bypass mode and the 20 watts from the exciter becomes the main repeater output. This feature helps conserve the 12 volt backup battery during power outages. The 100 watt output power level is adjustable via a control on the PA amplifier chassis. This allows precise setting of the output power level. Should we experience trouble with the unit it is comforting to know a three year warrantee comes with the unit.

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

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**EDITOR**

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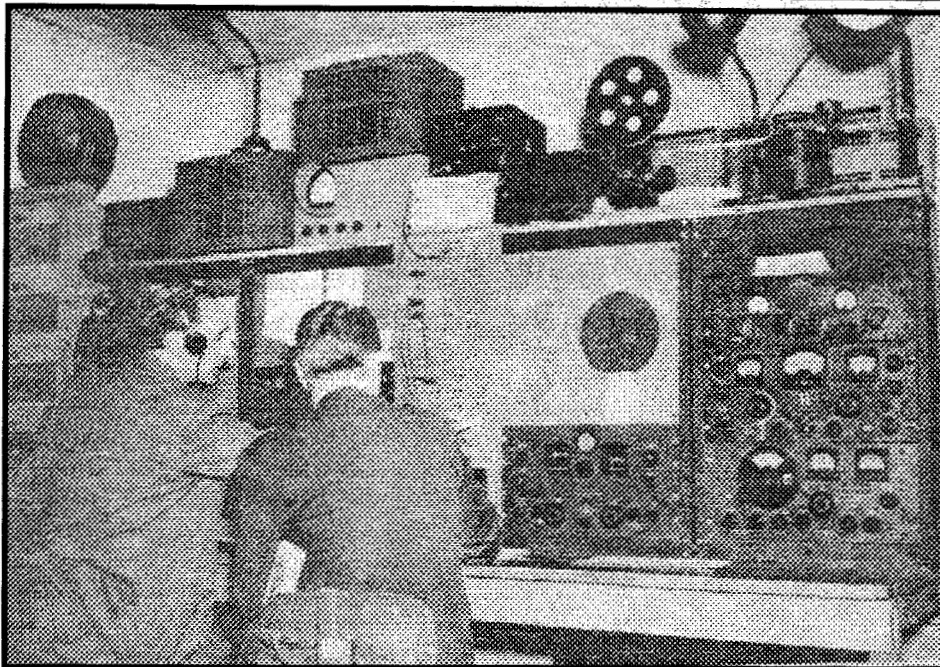
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**ADVERTISING**

**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.

# REMEMBER WHEN?



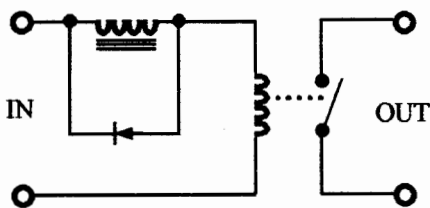
## 1946 FCC MONITORING STATION

**T**homas Cave, FCC agent (wearing headphones), explains the operation of a typical 1946 FCC monitoring station to Sunday Mirror Magazine reporter Bill Falvey. Several post World War II Hammarlund and Hallicrafters receivers are seen mounted on the rack panels that were popular at the time.

Judging from the worn fabric peeling off the back of the chair Bill Falvey is sitting in, the station saw almost continual use. Also note the old paper tape puncher atop the racks. Old timers will recall such tape was used in code practice machines and to send and record radio teletype (RTTY).

Contrast the above equipment with today's. A single computer can generate or record signals of all types as well as operate a receiver and scan the radio spectrum from 30 KHz. to above 1 GHz!

### NAME THAT CIRCUIT



- 1.) Time delay on pickup relay
- 2.) NC delay relay
- 3.) Pulse differentiator relay
- 4.) Time delay on drop-out relay
- 5.) Solid state driver relay

ANSWER - See page 7

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*"The inherent vice of capitalism is the unequal sharing of the blessings. The inherent blessing of socialism is the equal sharing of misery."*

*Winston Churchill*

# MEETING MINUTES



The June business meeting was called to order at 7:03 pm by President Bill Miller, K1IBR. Twenty-seven members were present, and one guest, Ejnert Sorensen, OZ1AQW, from Denmark. Following the salute to the flag and roll call, a moment of silence was observed for several members that recently passed on. Next, the Secretary's and Treasurer's reports were read and accepted.

## Committee reports -

**Technical** - The new 100 watt amplifier is on-line. Since the interference that plagued us last month has gone away, the bandpass cavities on the transmit and receive lines were removed.

**Buildings and Grounds** - Chairman Andy Reuter reported that posts have been set for handicap parking in front of the club. The signs are on order.

**Scholarship** - No report.

**Constitution** - Should be ready for final approval in two months.

**Field Day** - Scott Szala asked members interested in helping out on Field Day to sign sheet posted on bulletin board. He stressed the need for an accurate count of those planning to have a meal.

**Fleamarket** - No report.

**Communications** - Two letters read and posted on bulletin board.

**Ratifications** - Ten applicants voted into club! Four were renewals: Paul Boucher, KA1YZO; Ed Harrington, W1VF; Pete Lagasse, N1XKD; and Mike Reale, KB1CHQ. Six were new members: Joe Barros, K1EZ; Lucien Cretien, KA1WOB; Charles Leach Jr., N1BUD; John Molander, N1ZKU; George Rogers Jr., W1WGN; and Christopher White, KB1EBP. *Welcome to the club!*

**Old Business** - None.

**New Business** - The following motions were made and passed:

1. Motion not to sell at the Fleamarket the power meter and deviation meter recently donated to the club by Frederic Bacon, K1FSU. They will be used at the repeater site to monitor output power and deviation.
2. Motion to purchase "Handicap Parking" and "No Trespassing" signs for use in front of the club.
3. Motion to purchase a Polyphaser lightening arrester for the repeater.

**For the good of the club** - Andy Reuter, WA1FNM, stated that he and Larry Houbre, AA1FS,

worked the YMCA road race held (in the rain!) at the old Children's Museum in South Dartmouth. Larry reported via E-Mail that the race coordinator and others involved with the event were impressed with the operation and thankful for the support.

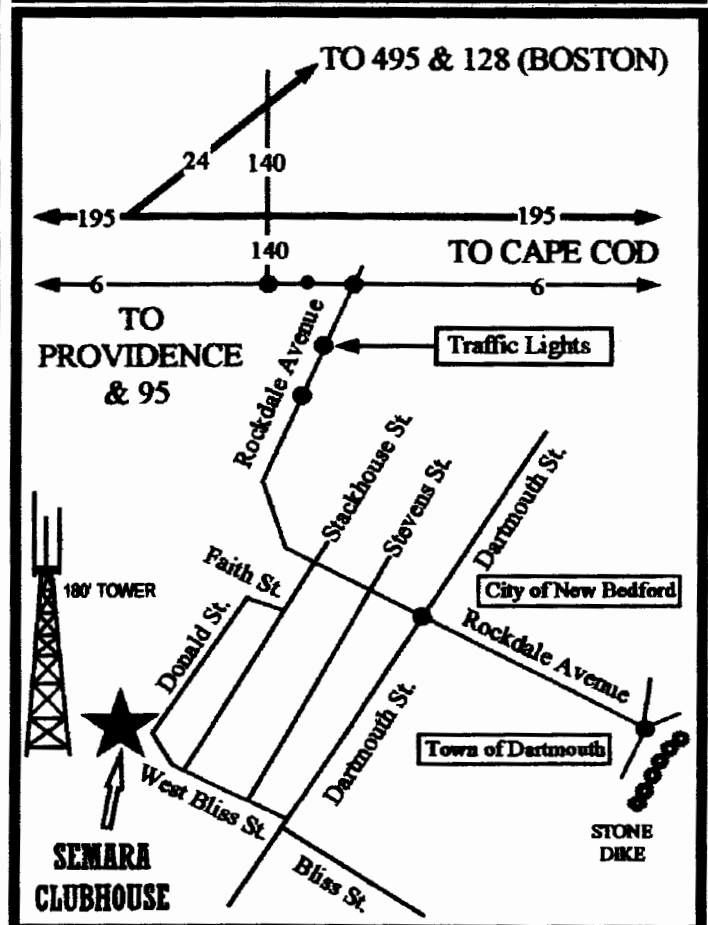
Dick Simpkin, WA1CRA, donated a Swan 350 transceiver with power supply to the club for sale at the Fleamarket. The power supply has new capacitors in it. *Thanks, Dick!*

The McElroy key was sold on E-Bay and added just over \$200 to the club's treasury.

Members were reminded that immediately following the meeting, the ICOM W32A dual-band handheld will be raffled off in a "members only" raffle. Our Danish guest Ejnert Sorensen, OZ1AQW, will draw the winning ticket.

The meeting adjourned at 8:15 pm. The mad rush to buy last minute tickets for the drawing was underway...

## DIRECTIONS TO CLUB



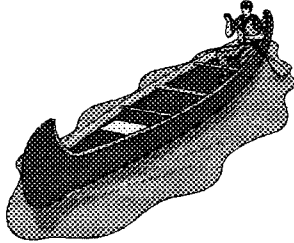


# CLUB NOTES

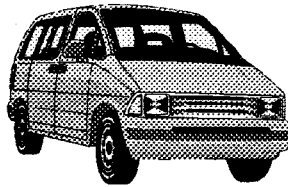
July kicks off on the first Wednesday of the month with the Fourth of July celebrations. No other holidays during the month - just heat, humidity, and beaches...



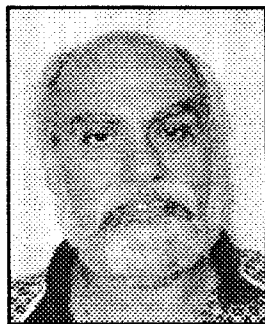
**Tim Smith, N1TI**, was the subject of a recent Standard-Times article. The article covered Tim's tracking of his daughter's and sister-in-law's boats in the annual Mattapoissett Memorial Day River Race using amateur radios. Tim also managed to get a mention of our Foxhunts into the article. *Congratulations, Tim!*



As if the newspaper article wasn't enough, **Tim Smith, N1TI**, also managed to get interviewed by a Channel 7 news crew about the Firestone tire recall. Talk about being in the right place at the right time...



**Art Marshall, W1FJI**, will be up from Florida visiting the area around July 22nd to the 27th. He will have his walkie with him and plans to visit the club during his stay. As soon as we know when he will be at the club, a notice will be sent out via E-Mail.



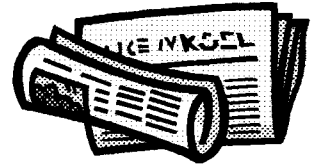
**Reminder** - The parking spaces in front of the club are reserved for handicap parking only during meetings and club events.



## ANT INVASION!

Carpenter ants took up residence under the warm power supply used on the 440 machine in the repeater building. Shown above are but a few of the hundreds of ants roaming around the bench. A can of "special" food granules was used to feed the critters.

The "Special Edition" mailing of ZERO BEAT resulted in twelve new members joining the club. On the down side, about 10 percent of the newsletters mailed were returned as undeliverable.



**Dick Simpkin, DWA1CRA**, donated a Swan 350 transceiver with Power Supply to the club for sale at the Flea-market. The Power Supply has new filter capacitors. *Thanks, Dick!*



**SWAN 350**

## CORRECTION

**O**oops! Your editor screwed up. *Again!* I listed the wrong town and vocation for new member **Bob Kelley, K1KVV**. The correct information:

Bob spends his weekends in Mattapoissett. Week-days are spent at Rensselaer Polytechnic Institute where Bob is a Professor in the Electrical, Computer, and Systems Department. Bob teaches computer components and operations, digital logic design through ALUs, and assembly language for the Motorola MC68HC11 microcontroller.



# OBITUARIES



**C**lub member John Rogers Sr., K1SLI, died suddenly of a heart attack on May 30, 2001. In addition to his amateur radio work, John was well known player of Cape Verdean music and had his own band in the 1950s and 1960s. *Rest in Peace, John.*



**C**lub member Betty L. Crook, N1EHR, (Wife of club member Albert Crook, N1ALN.) died unexpectedly on June 1, 2001. Betty managed the Freetown Elementary School cafeteria for 35 years until her retirement in 1989. *Rest in Peace, Betty.*



**C**lub member John Rocha Jr., N1YNP, died in his sleep at age 71 the morning of June 7, 2001. John, a resident of Fall River, MA, was know as "Sam" on the airwaves. John was the owner of Excel Fence Company. *Rest in Peace, John.*

**JOHN  
"SAM"  
ROCHA  
N1YNP**

**F**ormer club member Deo Z. Brunette, W1AIQ, 93, died Thursday, May 24, 2001. Deo joined the club in 1937. Deo held both Commercial and Amateur radio licenses and was a Merchant Marine telegraph operator. He worked at the RCA station in Marion as well as at WNBH in New Bedford, and in 1955 started his own business, Brunette's TV Service. *Rest in Peace, Deo.*



**M**uriel H. Purcell, W1A1DDU, died on May 30, 2001 at age 84 following a brief illness. Muriel was a member and former secretary of the Whaling City Hi-Banders radio club. Her son Larry, N1AS, (ex WA1CRI) was a former member of SEMARA. *Rest in Peace, Muriel.*



Bristol County Repeater Association / Fall River Radio Club

## 3rd Annual "GEEK FEST"

Fleamarket, Raffle, Door Prizes, Speaker, Meals, and Burgers & Hot Dogs

**Saturday, July 28, 2001**

**10 am to 3 pm**

**American Legion Hall, Swansea, MA**

**SPEAKER: Stan Laine, WA1ECF,  
"ARRL Awards Program"**

**Fleamarket Entry Fee - \$2.00  
(No entry fee if you buy a meal ticket)**

**Fleamarket tables - \$10.00**

The following dinners will be served at 1 pm:

New England Clamboil - \$15.00

Chicken BBQ - \$10.00

Tickets must be purchased before the event!

### RAFFLE RAFFLE RAFFLE RAFFLE

**KENWOOD TH-D7A(G) with spare battery pack**

**Tickets: 1 for \$3, 3 for \$5, 10 for \$10**

**You don't have to be present to win!**

To order meal tickets, raffle tickets, or to book a table, contact:

Roland Daignault, N1JOY More information:

19 Davis Road (508) 679-6331 (6-9 pm)

Westport, MA 02790 n1joy@arrl.net

(Make checks or money orders out to: Bristol County Repeater Assn.)

## NEXT SEMARA VE SESSION

July 7, 2001

10:30 am

SEMARA Clubhouse



### LOCAL VE SESSIONS IN JULY

- 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



Yaesu Transceiver - FT990, SP6 Speaker/phone patch..... 995.00  
Yaesu Amplifier---- FL2100B, 1200W PEP, 10-80m..... 349.00  
Dentron Amplifier - MLA2500, 2KW, 10-160m..... 549.00  
MFJ Versa Tuner -- 962C, 1500Watts..... 139.00  
Cushcraft R5 Vert-- 10/12/15/17/20m..... 165.00

All in excellent condition. Pick up.  
Call Norm Cartmill, W1LHY @ 508 748 0468

### TECHNICAL TIPS

- 1) Cables of all types can be marked with heat shrink tubing. Use white tubing, and mark the cable identification on it with black permanent ink (laundry marker) before you shrink it. For extra security, or on outside cables, cover the identification with clear heat shrink tubing.
- 2) When assembling antennas, be sure to coat all joints with an anti-seize, anti-corrosion compound. It not only makes adjusting (tuning) the antenna easier; it also inhibits corrosion by keeping water out.
- 3) Do not use RG-8 cable outside. Ultraviolet light (sunlight) will cause the plasticizers in the black jacket to migrate into the polyethylene and degrade the cable. Always use a cable with the "U" designator for outside cable work. The "U" signifies the cable is ultraviolet resistant.

## 2001 FLEAMARKETS

- June 3 - Newington, CT
- June 9 - FARA, Barnstable, MA
- June 17 - MIT Cambridge, MA
- July 7 - Goshen, CT
- July 15 - MIT Cambridge, MA
- July 21 - E. Greenwich, RI
- July 28 - Swansea, MA
- Aug 19 - MIT Cambridge, MA
- Sept 9 - SEMARA FLEA!
- Sept 15 - Foxscliffe, RI
- Sept 16 - MIT Cambridge, MA
- Oct 5 - BOSSTRADERS
- Oct 7 - Wallingford, CT
- Oct 21 - MIT Cambridge, MA

## NET DIRECTORY

- Sunday —
- 8 am 28.700 SEMARA NET
- 9:30 am 50.225 Yankee SSB
- 4th Sunday —
- 9 pm 449.575 EM-ARRL
- Daily —
- 5:30 pm 3.915 EM/RI NTS ssb
- 7&10 pm 3.658 EM/RI NTS cw
- 6:45 pm 147.315+ NTS/Trivia
- 7 pm 146.550 SEMARA NET
- 8 pm 145.230- EM-NTS
- Monday to Friday —
- 7:30 am 14.262 SEMARA NET
- 8 pm 145.490- Weather
- Thursday —
- 8 pm 147.180+ Trivia
- Saturday —
- 1800G 14.300 Coast Guard
- SEMCARES NET —
- 1st Sunday of the month at 7:30 pm
- 145.490- (Fairhaven Repeater)



### VISIT THE SEMARA WEBSITES

[WWW.LRH.NET/SEMARA/SEMARA.HTM](http://WWW.LRH.NET/SEMARA/SEMARA.HTM)  
[GROUPS.YAHOO.COM/GROUP/SEMARA](http://GROUPS.YAHOO.COM/GROUP/SEMARA)  
 SEND E-MAIL TO: [W1AEC@ARRL.NET](mailto:W1AEC@ARRL.NET)

"NAME THAT CIRCUIT" ANSWER  
 (1.) Time delay on pickup relay

## SEMARA OFFICERS 2001



**President** William Miller Jr., K1IBR  
**Vice-President** Raymond Arruda, KB1EVX  
**Secretary** Henry Blanchett, W1GYL  
**Treasurer** Scott Szala, W1EV

**Board of Directors:**

Edward Blouin, KA1AW  
 Martin Jordan, KA1YFV  
 Robert Metivier, N1XZJ

**Trustees:**

Frank Fonseca, WB1ASD - Chairman  
 Martin Jordan, KA1YFV  
 William Vincent, W1POW  
 Edward Blouin, KA1AW  
 Norman Riley, W1ATI

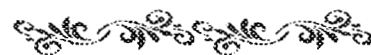
## SEMARA EVENT CALENDAR

### JULY 2001

- 5 - Business Meeting, 7:00 pm
- 7 - VE Session, 10:30 am
- 12 - Foxhunt, 7:00 pm
- 19 - Tech-Talk, 7 pm,  
 "3D Stereo Photography"  
 by Tim Smith & Charles Days
- 26 - Board of Director's meeting, 7 pm

### AUGUST 2001

- 2 - Business Meeting, 7:00 pm
- 4 - VE Session, 10:30 am
- 9 - Foxhunt, 7:00 pm
- 16 - Tech-Talk, 7 pm,  
 "All About Thermometers," by Richard  
 Porter, the "Thermometer Man"



Coffee Hour at the clubhouse every Sunday at 9:00 am. Drop by and ragchew!

## LOCAL REPEATER DIRECTORY

Frequency	CTCSS	Call	Location	Frequency	CTCSS	Call	Location
<b>144</b>				<b>440</b>			
145.150 -	123.0	WA1DGW	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	WA1GPO	Falmouth	443.450 +	88.5	K1MYL	Westport
146.685 -		W1LM	Plymouth	443.500 +	141.3	K1PBO	Barnstable
146.955 -	88.5	K1PBO	Dennis	443.600 +		NS1N	Norwell
147.000 +	67.0	W1AEC	Dartmouth	443.800 +	88.5	N1RFH	Dartmouth
147.135 +	67.0	ND1N	Taunton	444.200 +	118.8	N1YHS	Bourne
147.180 +	67.0	W1MV	Bridgewater	443.850 +	131.8	W1ARM	Chatham
147.315 +	156.7	N1BBT	Wareham	444.250 +	141.3	WA1GPO	Falmouth
146.730 -		W1SGL	Sandwich	444.350 +	88.5	W1ACT	Fall River
<b>220</b>				444.550 +	88.5	W1MV	Bridgewater
224.340 -		K1KEK	Dennis	447.075 -	88.5	N1DZD	Kingston
224.840 -	100.0	K1LIQ	Tiverton, RI				

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**FIRST CLASS**

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