



ZERO BEAT

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



OUR 68th YEAR

Volume 36, Issue 10

SEMARA W1AEC

October 2000

FLEAMARKET A GREAT SUCCESS!



FLEAMARKET PICTURES BY TIM SMITH, N1BTQ

GENERAL VIEW OF FLEAMARKET TENTED AREA

CLUB SALES BROKE PREVIOUS RECORD SET IN 1979!
COMPLETE DETAILS ON PAGE 4

ZERO BEAT

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Southeastern Massachusetts
Amateur Radio Association, Inc.
54 Donald Street,
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EDITOR

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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.

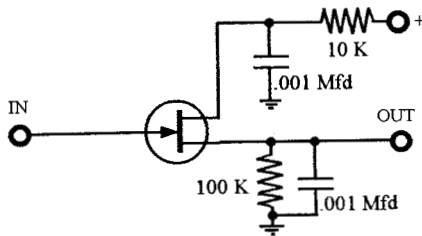
Non-commercial ads up to forty words in length will be accepted. Rate is \$3.00 for one or \$12.00 for six insertions. Club members have one free non-commercial ad per month.

THE DEADLINE FOR
SUBMITTING ARTICLES FOR
PUBLICATION IS THE 15TH
OF THE PRECEDING MONTH.

REMEMBER WHEN?



NAME THAT CIRCUIT



- 1.) FET Detector
- 2.) Bipolar Level Shifter
- 3.) FET Inverter
- 4.) IC Inverter
- 5.) FET Oscillator

ANSWER - See page 7

It's April 1975 and Larry Purcell, WA1CRI, and Bill Miller, K1IBR, have just finished checking out the old Motorola cabinet the "new" repeater designed and built by Bill will be installed in. The "new" repeater had a home-brew controller built with TTL logic and sent "HI" when dinged for one second. That same controller is used to this day in the backup repeater! For the record, the original controller had a pulse-type telephone dialer, a frequency meter, a clock, and contained over 100 TTL chips. Attached to the repeater was a reel-to-reel tape recorder that recorded every transmission. Today's modern computer-based controllers use a handful of chips and have infinitely more functions.

WORLDWIDE DISTRIBUTION



Chuck Wyrick
Manager
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*"Education is not the filling of a pail,
but the lighting of a fire."*

William Butler Yeats

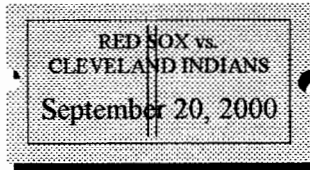


CLUB NOTES

October is here! You can feel that CRISP fall weather. Columbus Day is on the 9th, and Halloween on the 31st. Don't forget to turn your clocks BACK on Sunday morning, October 29th.



A big "THANK YOU" goes out to Elizabeth Brightman for the donation of 8 Red Sox tickets for use as door-prizes at the Flea-market. Elizabeth is Andy Reuter's granddaughter.



Another "Thank You" goes out to club member Tim Smith, N1BTQ, who donated a club membership and a subscription to QST for use as door prizes at the Fleamarket. The QST subscription is a memorial donation honoring past member Al Sears, W1ZHC.



Did you get a letter from the FCC? If so, don't worry - you are in their databases. Many members have inquired what it is all about. It's just a confirmation of your listing. You need not take any action!



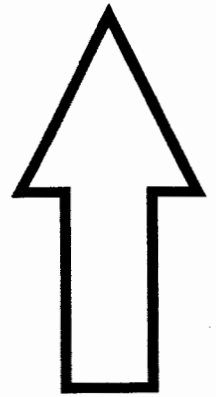
Several members have complained their wives won't let them read ZERO BEAT until they first read it. We have therefore duly placed the lady's names on "THE LIST."

THE LIST

Margaret Field
Rachael Mara
Janice Smith

Five new members joined the club during the month of September:

- Carl Bredberg, K1KID
 - Robert Geller, KA1YON
 - Donald Loader, N1WEP
 - Michael McDonald, KB1NB
 - Charles Moszczenski
- Six former members reinstated their memberships:
- Paul Bernard, W1ZPE
 - Carl Bissonnette, WA1AKR
 - Bob Brocklehurst, KB3SM
 - Tony Duarte, N1XRS
 - Glenn Silverberg, WA1OAJ
 - Jim Lopes, WB1AQX
- Welcome to all!



MEMBERSHIP ON THE RISE!

ALTERNATE SEMARA E-MAILER

You're invited to join an alternative email list dedicated to the SEMARA membership. This is an experiment to test reliability, performance and ease of use.

Attractive features of the list are the ability to switch your subscription off and on, view or post messages from anyone's web browser and receive notification of news and events in the club calendar.

The subscription process is moderated in order to restrict access to members only. The site also features pictures from our recent hamfest. Please join in and enjoy more of our club fellowship.

To subscribe to the group send an email to: semarasubscribe@egroups.com

To register visit: www.egroups.com/group/semara

73, Tim Smith, N1BTQ
n1btq@ne.mediaone.net

ESTATE SALE

The radio equipment from the estate of Matt Howland, K1DIY, is being sold as a lot:

Kenwood TS-820S transceiver with matching SP-820 speaker, and Kenwood AT-200 antenna tuner. Also included are a dummy load, two sets of earphones, and MFJ and D-104 microphones.

\$575.00 complete

To purchase the above listed lot, please contact Edna Howland (widow) at (508) 993-0204.

FLEAMARKET DECLARED THE BEST EVER!

This year's fleamarket was the best ever according to several members. The months spent planning and preparing for the event paid off handsomely in the end. The club set a new fleamarket profit record of approximately \$2,000. It doesn't get much better than that!

Members can thank **Don Mara, WA1PLT**, for the super job he did advertising this event. His hard work and dedication to the event produced notices in all national magazines, Internet fleamarket listings, local papers, and local cable TV stations. *Thanks Don for a job well done!*

Other members active in promoting the fleamarket were **Marty Jordan, KA1YFV**, who handed out flyers at all MIT shows this year, and **Charlie Days, WA1JFD**, who placed notices on Internet old radio sites. *Thanks fellows!*

This was the first year we had a tented area secured in case of rain. It also doubles as a sun shade on a good day, which is the use it was put too as the weather was absolutely fabulous. The 40 X 60 canopy used as a tent was supported by two 20 foot towers - one a Rohn 25, the other a large commercial affair with a four-foot face. Members are talking about erecting permanent utility poles to aid in erecting the tent in future years.

As usual, **Ed Blouin, KA1AW**, ran the popular "food tent" which has become a mainstay of the fleamarket. Ed is known far and wide for the homemade relish he provides each year for the event. *Thanks Ed!*

Finally, the following members deserve special recognition for the extraordinary effort they undertook to erect the tent canopy: **Ray Arruda, KB1EVX**; **Ed Blouin, KA1AW**; **Gene Demers, N1MVY**; **Bill Field, WA1FYF**; **Bill Miller, K1IBR**; **Andy Reuter, WA1FNM**; **Scott Szala, W1EV**; and **Bill Vincent, W1POW**.



EARLY MORNING SETUP TIME



FLEAMARKET EVEN HAD A KITCHEN SINK!

CHIS SMITH, K1CJS, AND CHARLIE DAYS, WA1JFD, WIN FOXHUNT



The fox for the September hunt was **Scott Szala, W1EV**. Prior to the hunt he stated, "Pack a lunch!" We've all heard that one before. Scott hinted at some "secret weapon" to confuse those with Doppler direction finders. Scott drove directly from home to his hiding spot and then announced the hunt was on.

The "secret weapon" Scott used worked! First place was NOT SECURED by a team using a Doppler direction finder. The first place honors went to the team of **Chris Smith, K1CJS**, and **Charlie Days, WA1JFD**. (Chris Smith, K1CJS, posted his first victory as a hunter.) *Congratulations fellows!* Second place went to the TDOA team of **Bill Miller, K1IBR**, and **Dick Simpkin, WA1CRA**. Third place fell to **Tim Smith, N1BTQ**, who was performing solo. By default last place went to the team of **Henry Blanchett, W1GYL**, and **Bob Metivier, N1XZJ**.

So where did Scott hide and what was the "secret weapon?" They were one and the same! Scott parked on Interstate 195 beneath an underpass. He also ran high power to screw up hunters using "beepers" that chirp when close to the fox. Of course, the question of parking on an Interstate highway was raised as a possible violation of the rules. The hunters decided to let the issue slide, and everyone headed off to Bickford's Restaurant for some food and ragchewing.



MEETING MINUTES

The September business meeting was called to order at 7:07 pm by President Chris Smith, K1CJS. Thirty-two members were present. Following the salute to the flag and roll call, the Secretary's and Treasurer's reports were read and accepted.

Committee reports followed: *Technical* - 110 watt Motorola Micor bought at Boxboro, and being readied for service on the two meter repeater. New duplexer ordered. Everything should be on line in early October if not sooner. *Buildings and Grounds* - Two galvanized poles purchased for handicapped signs. Oil tank topped off. *Activities* - No report. *Ham Class* - No report. *Scholarship* - No report. *Constitution* - No report. *Ham Class* - Brad Anselmo reported class set to start in January. Instructors are needed!

Communications - None.

Ratifications - None.

Old Business - The following motions were made and passed:

- 1) Defer start of club financial plan until January 2002.
- 2) Authorize \$200 for food and supplies for Fleamarket.
- 3) Advance Janice Smith \$100 for Christmas Party expenses.

Cleaning of the clubhouse will be addressed at the next meeting. Bill Miller said he is very reluctant to give club tours to scouts and school groups unless the clubhouse is clean and orderly.

New Business - The following motions were made and passed:

- 1) Sell old relay rack at

Fleamarket.

- 2) Authorize purchase of 12 volt, 50 amp power supply and battery charger for repeater.
- 3) Purchase a case of paper for copier.
- 4) Pay Don Mara for a License Manual he gave to Brian Parent. (Don is "Elmering" Brian.)
- 5) Permit former member John Maguire, W1CDO, to park his mobile home on club property while visiting the area in late September.
- 6) Authorize purchase of materials to erect a 40 X 60 foot canopy at the Fleamarket.

The meeting adjourned at 8:12 pm. Several members headed out to Bickford's Restaurant for a "second meeting."

SEMARA Christmas Party

Thad's Steak House

1313 Ashley Boulevard, New Bedford, MA

Saturday, December 9, 2000

Cocktail Hour 6 to 7 pm - Dinner 7 pm Sharp



Meal Selections:

Prime Rib Au Jus
Baked Ham
Broiled Scrod

All meals \$15.00 each

A \$5.00 (optional) Christmas gift exchange will be held.
"Bring a gift and get a gift."

Tickets can be purchased at business meetings or by contacting Janice Smith at (508) 324-6230

NOTICE: Seating is limited to 48 people.
Tickets sold first come, first serve.

Falmouth Amateur Radio Association

**Get Your Technician Class Amateur
Radio License *in One Weekend!***

License in a Weekend Class

Pre-registration required, no walk-ins
Friday, Oct 20 through Sunday, Oct 22, 2000

Location:

BARNSTABLE COUNTY FAIRGROUNDS
CLASSROOM, Route 151

Text:

ARRL'S Technician Class Q&A 3rd Edition

Schedule:

Fri. 7-9pm, Sat. 9am-5pm, Sun. 9am-2pm.
(ARRL VEC exams 2 pm Sunday)

Course Fee:

\$25.00 + Manual (\$12.95) = \$37.95
Includes lunch Sat & Sun, exam fee of \$6.65
and 1year free membership in FARA

To Register & For More Info:

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

OR REGISTER ON THE WEB AT WWW.FALARA.ORG

NOTES:

No prior experience required-no age limits- all are welcome.
Class size limited so register early to assure placement.
Bring Text to class.

NEXT SEMARA VE SESSION

October 7, 2000
10:30 am
SEMARA Clubhouse

LOCAL VE SESSIONS IN OCTOBER

- 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 Marlborough, MA
William Wade
781-891-9079

HALLOWEEN CALLS



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TECHNICAL TIPS

- 1) Did you know a PL259 type "quick connect" plug is made? It is great for bench work and testing. Unlike the standard PL259 that screws on, the "quick connect" just plugs in. Get one or two!
- 2) If you homebrew equipment, when drilling utility boxes, relay panels, and the like, leave the wrapper on and mark the drill point centers on it. You can even note the size hole next to the center marks! When all the holes are drilled, just remove the wrapper and install the parts.
- 3) When soldering a PL259 connector to coax, a soldering iron no smaller than 40 watts should be used. Never use a solder gun!

2000 FLEAMARKETS

- Oct 6, 7 - Rochester, NH
- Oct 8 - Wallingford, CT
- Oct 15 - MIT Cambridge, MA
- Oct 21 - Wallingford, CT (sponsored)
- Nov 3 - Feeding Hills, MA (sponsored)
- Nov 4 - Londonderry, NH
- Nov 5 - Framingham, MA
- Nov 18 - Newton, MA (sponsored)



NET DIRECTORY

- Sunday —
- 8 am 28.375 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 WEBSITE

WWW.LRH.NET/SEMARA/SEMARA.HTM

SEND E-MAIL TO: W1AEC@ARRL.NET

"NAME THAT CIRCUIT" ANSWER

1) FET Detector

SEMARA OFFICERS

2000

- President** Chris J. Smith, K1CJS
- Vice-President** Robert Metivier, N1XZJ
- Secretary** Henry Blanchett, W1GYL
- Treasurer** John Carreiro, W1ZYV

Board of Directors:

- Martin Jordan, K1YFV
- William Miller Jr., K1IBR
- Scott Szala, W1EV

Trustees:

- Norman Riley, W1ATI - Chairman
- Frank Fonseca, W1ASD
- Martin Jordan, K1YFV
- William Vincent, W1POW
- Edward Blouin, K1IAW

SEMARA EVENT CALENDAR

OCTOBER 2000

- 5 - Business Meeting, 7:00 pm
- 7 - VE Session, 10:30 am
- 12 - 2 Meter Foxhunt @ clubhouse, 7:00 pm
- 19 - Tech-Talk, "APRS Digipeaters" by "Tim Smith, N1BTQ"
- 26 - Board of Director's meeting, 7 pm

NOVEMBER 2000

- 2 - Business Meeting, 7:00 pm
- 4 - VE Session, 10:30 am
- 9 - 2 Meter Foxhunt @ clubhouse, 7:00 pm
- 16 - Tech-Talk, "ARC-5 & BC458A Conversions" by Mike Laronda, W1AOMI

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
144				440			
145.150 -	123.0	WAIDGW	Fall River	441.400 +	192.8	WG1U	Assonet
145.490 -		KAIWBF	Fairhaven	442.200 +	88.5	NINRL	Fall River
146.445 +1Mhz	91.5	KB1BWN	Dartmouth	442.600 +	100.0	KILIQ	Tiverton, RI
146.655 -	88.5	WA1GPO	Falmouth	443.450 +	88.5	K1MYL	Westport
146.685 -		WILM	Plymouth	443.500 +	141.3	KIPBO	Barnstable
146.955 -	88.5	K1PBO	Dennis	443.600 +		NSIN	Norwell
147.000 +	67.0	W1AEC	Dartmouth	443.800 +	88.5	N1RFH	Dartmouth
147.045 +		WA1AIC	Dennis	444.200 +	118.8	N1YHS	Bourne
147.135 +	67.0	ND1N	Taunton	443.850 +	131.8	WIARM	Chatham
147.180 +	67.0	W1MV	Bridgewater	444.250 +	141.3	WA1GPO	Falmouth
147.315 +	156.7	N1BBT	Wareham	444.350 +	88.5	W1ACT	Fall River
220				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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