

# ZERO-BEAT

SOUTHEASTERN MASSACHUSETTS  
AMATEUR RADIO ASSOCIATION, INC.  
54 DONALD ST. SOUTH DARTMOUTH, MA. 02748

## Membership Info

All Members please fill out the form found in this issue. We are trying to update our member information so we can:

- 1). become affiliated with the ARRL once again and
- 2). find out what we can do to make the club more interesting for everyone.

So please fill it out and get it back to the club one way or another. Please it is important!!

## Marathon

I would like to thank everyone who participated in the Half Marathon held in New Bedford on March 15, 1987.. The information we provided was greatly appreciated by the Race officials. I am happy to say that communications for emergencies was not required during the race (This was our primary function). We did provide constant updates of the runner positions to the PA announcer at the finish line. This made it more exciting for the spectators.

Thanks again,  
73's Ray

## Antenna

Keep your ears open, with good weather on the way we should be putting the ribbander back up. The more help we can get the better!

## Reminder

Any correspondence and especially dues should be sent to the P.O. box and not the Donald St. address.

The P.O. Box is: P-105, South Dartmouth, Ma. 02748. This box is checked weekly. We can't guarantee that at the Club House Box.

## Special Event Station

~~This year is the 200th anniversary~~ of the U.S.S. Constitution and the City of New Bedford. It would be nice to operate some kind of special event station to commemorate this occasion. If anyone is interested in taking charge and make this happen or just want to help out please let us know. PLEASE HELP OUT WITH SOME IDEAS FOR THIS!

## Field Day

Has anyone got any ideas for operation on Field day in June?? Use your imagination, come up with some ideas, it could be fun.

## FCC Testing

Don't forget April 9th at 6:00pm testing for all Class licenses. New Test Procedures will be in affect. See April QST for complete Details..

## Club Activities

Al Sears W1ZHC will give a packet Radio Demonstration following the April 2nd meeting. This will be interesting for those who have not yet discovered this part of the hobby. Please mark your calendar and plan to Attend. There will be coffee and refreshments, Come on down and talk with the guys, I'sure some of you haven't seen each other for awhile. Also we will raffle off a 1987 ARRL Handbook. A good book to have in the shack!!

## Best Radio to buy ???

In further discussion regarding best radios, here is some quantitative information collected for your netting pleasure. Data is from ARRL Lab as published in QST.

I've been looking at new HF radios and found the discussion interesting. I was surprised to see how poorly the Kenwoods compared to the Icom products in transmitting spurious emissions.

The TS-940S seems to be a very good receiver but is only average in the area of spurious emissions. The TS-440S is quite disappointing in the spurious emission area and only above-average in rejection/IMD stats. For me, this seems to make decisions harder!  
Ron Miller NWOU  
Ft. Collins Colo.

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Radio	Noise Floor	Block Dyn.	IMD	Spurious rad.
Kenwood:				
TS-430S	-138/137	NL	-95/90	- 51
TS-440S	-140/139	-112/111	-89/89	- 43
TS-930S	-139/139	NL	-88/87	- 50
TS-940S	-140/139	-143/138	-93/97	- 54
Icom:				
IC-735	-134/133	NL	-92/88	-65
IC-745	-140/144	115/116	-92/94	-65
IC-751	-142/138	NL	-91/93	-60
Yaesu:				
FT-757GX	-140/137	NL	-90/89	-55
FT-980	-138/138	NL	NL	-56

1. paired numbers are on 80m and 20m
2. NL = Noise Limited
3. Tests conducted by ARRL and reported in QST
4. Definitions:

Noise Floor: approximately "sensitivity" - Larger number is good (-144 is better than -138)

Block Dyn- Blocking Dynamic range. Ability to handle strong signals in-band adjacent to listening freq.

IMD - Intermodulation Distortion, distortion products appearing in the receiver from undesirable mixer characteristics

Spurious rad. - spurious radiation. The next strongest signal transmitted besides the fundamental. This is in dB below the fundamental.

5. Special notes: The IC-751 was tested NOT the 751A.  
The FT-ONE was not tested within my collection of QSTs  
Tests conducted on sample size = 1. Your mileage may vary

Member info form:

Name & callsign \_\_\_\_\_ License class \_\_\_\_\_

Address \_\_\_\_\_ Phone No. \_\_\_\_\_

\_\_\_\_\_ ZIP \_\_\_\_\_

ARRL Status: Member \_\_\_\_ Life Member \_\_\_\_ Appointments \_\_\_\_\_

What bands do you use frequently?

160 80 40 30 20 15 10 6 2 220MHz 430MHz 1296MHz Other \_\_\_\_\_

What modes do you use frequently?

HF: CW SSB AM FM RTTY SSTV Other \_\_\_\_\_

VHF-UHF: CW SSB AM FM RTTY Packet ATV OSCAR Other \_\_\_\_\_

Do you have 2-meter FM capabilities?

HT \_\_\_\_\_  
Mobile \_\_\_\_\_  
Base \_\_\_\_\_

What other bands & modes are you equipped to operate?

Which contests, if any, do you participate in?

Which nets, if any, do you check into?

Which award programs, if any, are you active in?

What other amateur radio activities are you interested in?

What would you like to see the club do this year?

What would YOU like to do for the club this year?