

CONTROL ROOM ACOUSTICS

# FROM THE BOTTOM UP

Full organ with harp

Gt.

+ Ped. Bombarde 32"

## THE ONLY ACOUSTICAL TREATMENT SYSTEM

- Effective Below 400 Hz, Thru 40 Hz
- Corrects Low End Phase Distortion
- Damps Standing Wave Room Resonances
- Reduces Room Resonance "Q" Response By 4
- EQ's Low End RT-60 Decay Constants
- Packs 15 Sabines @ 60 Hz Into Each 3' Tube
- Broadband, Adjustable Absorption and Diffusion
- Light Weight, Sturdy and Very Portable

PATENTED  
USA, PENDING FOREIGN



# ASC

ACOUSTIC  
SCIENCES  
CORPORATION

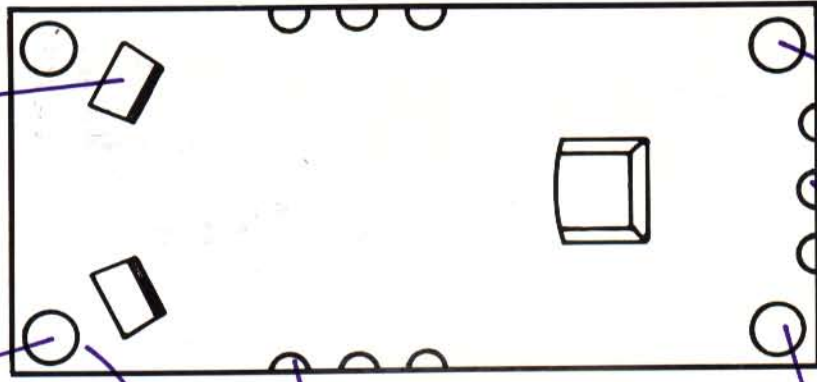
APPLIED ACOUSTICS - RESEARCH, DESIGN & DEVELOPMENT

1-800-ASC-TUBE

**ASC HOLDS THE CORNER ON ROOM ACOUSTICS**

Bass frequency speakers are omnidirectional, while Mid and Hi frequencies radiate to sides and ahead. Bi polars fire equally front and rear.

First low end reflection is in rear corner. Its strength and timing cause up to 15° phase and 25% amplitude distortion that is corrected by **ASC Tube Traps**. Adjustable absorption or dispersion feature is particularly effective for bi polar speakers.



The corner is a megaphone of muddy, lo end sound. **Lo End Traps** in listening corners clean up the ambience, background.

Flutter echo is eliminated by the diffusion/absorption features of ASC's wall units. The room's "**Sweet Spot**" is greatly enlarged by the mid bass absorption of these units.

Control L-R crosstalk and tweeter sidehash with **ASC's Half Round Wall Units**. They provide mixed mixed dispersion and absorption down thru 200 Hz. Flat wall acoustic control without sacrificing listening room liveness.

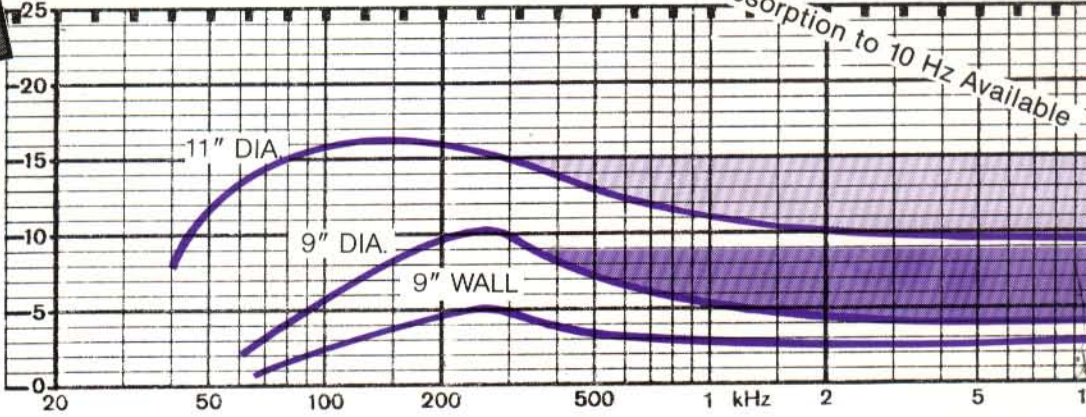
All major room resonances as well as the diffuse sound field have excess pressure fluctuations in the room's 8 tri corners. **ASC's Corner Loaded Tube Traps** are dynamic, broadband passive devices and not Helmholtz resonators, nor diaphragmatics. They are so efficient due to their RC time constant design. They out perform standard traps 30 times in size.



**ELIMINATES**

- Corner Related Amplitude and Phase Distortion
- Room Boom, Lo End Mud, Coloration
- Hot and Cold Spots, Lo End Build-Up
- Excessive Absorption
- Critical Loudspeaker and Listener Placement
- Side Wall Reflections, Flutter Echo
- Listener's Fatigue

SABINES vs FREQUENCY PER 3' TUBE



**IMPROVES**

- Bass Definition
- Tonality and Transparency
- Imaging and Punch
- Low End Transients
- Mid and Hi Frequency Diffusion
- Low End RT-60 Decay Rates

**REP/DEMOS:** NY 914•691•6077  
LA 818•763•9587

FOR MORE INFORMATION, CALL OR WRITE US.

**1-800-ASC-TUBE**

1-503-343-9727  
P.O. BOX 11156  
EUGENE, OREGON 97440

**ASC** ACOUSTIC SCIENCES CORPORATION  
APPLIED ACOUSTICS - RESEARCH, DESIGN & DEVELOPMENT