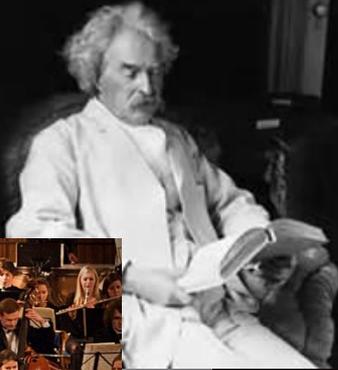


There are 1001+ reasons we love listening to earphones

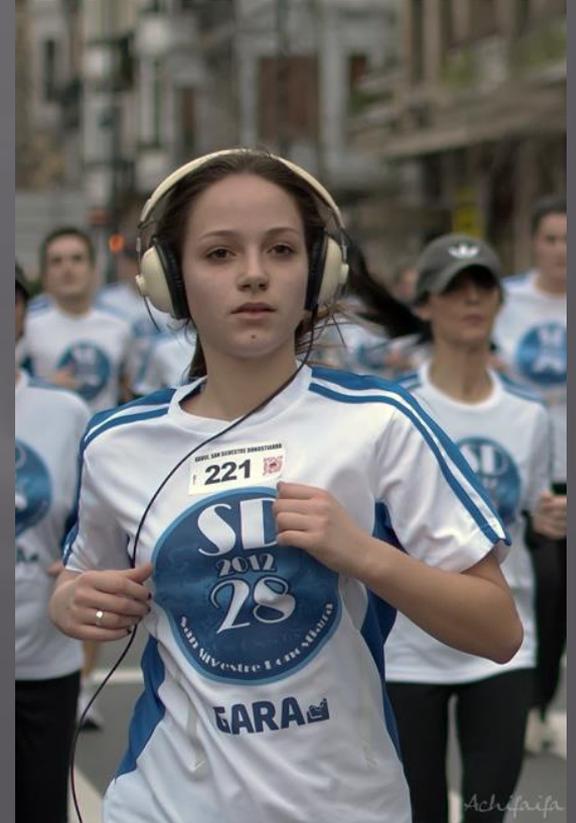


...and about as many places where we listen



Some are “quiet” and “PRIVATE”

Others.....not so much



With the right earphones, we can manage most unwanted noise

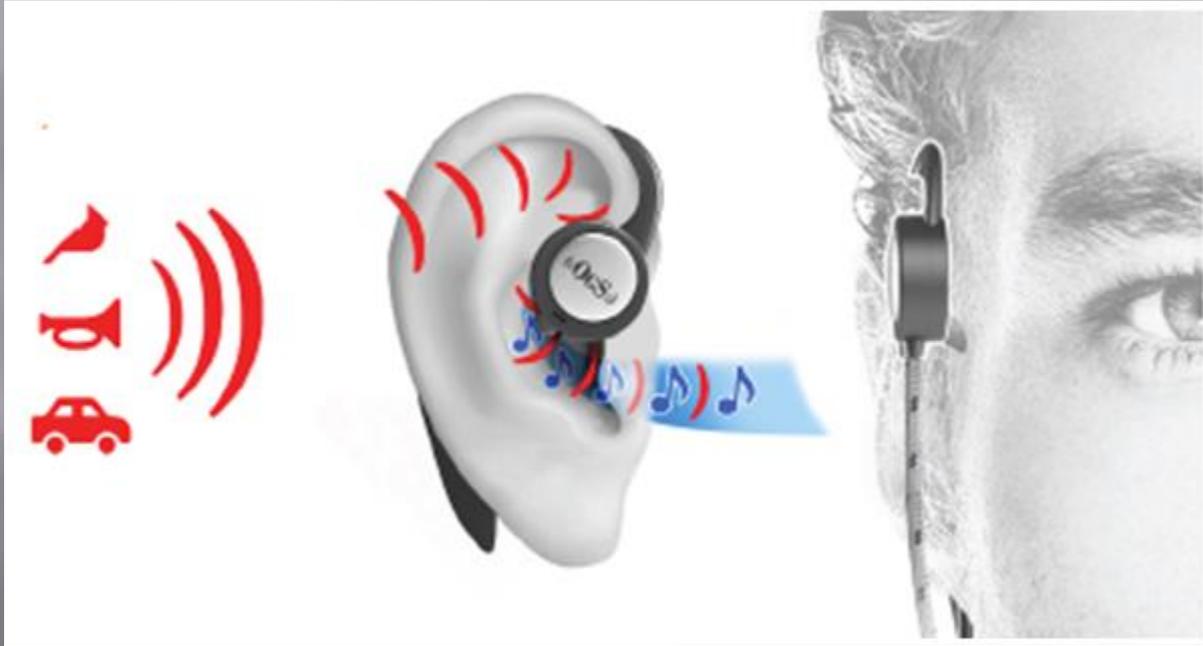


BUT...there are times we'd like to, but shouldn't!!

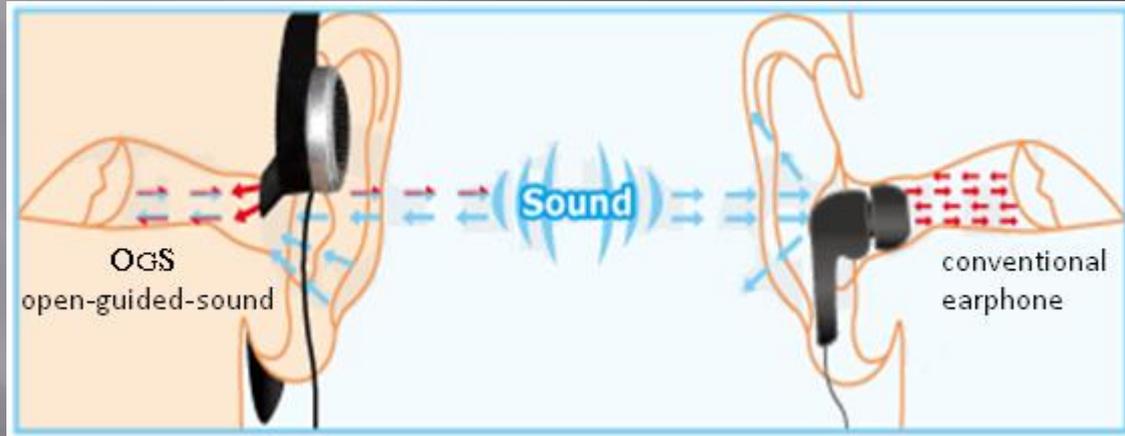


Times like when we need to be aware of the world going on around us.

This is the ((OGS))[®] Open-Guided-Sound market



OGS[®] vs canal-insert earphones



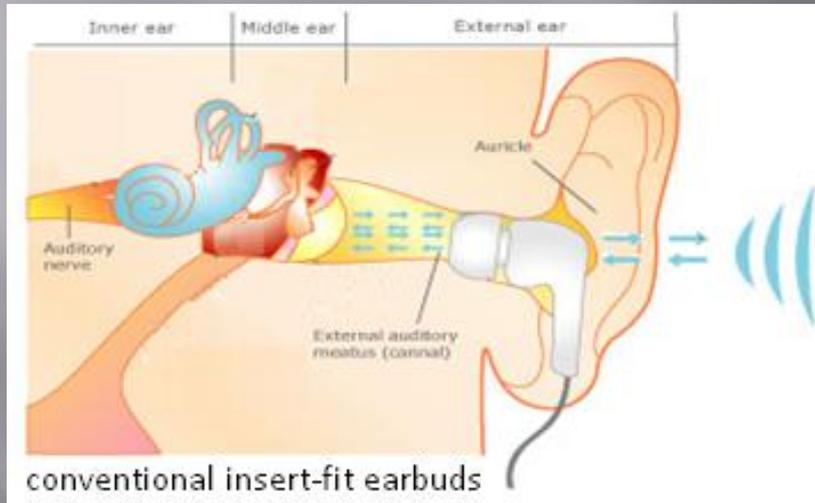
OGS[®] US Patents: 8,111,854,B2 ; 9,036,851,B2
International patent information available upon written request.

When we listen with conventional headphones or canal fitting earphones all natural spatial information is LOST...



And our listening experience becomes like the “mime in the box”.

Canal insert earphones



- Occlude the ear canal
- Allow moisture buildup and create a bacteria friendly environment.
- Block environmental sounds resulting in reduced awareness of potential danger.
- Produce an unnatural “head in a bubble” listening experience.
- Create potentially damaging high pressure levels in the “closed” ear canal.
- Quasi “acoustic suspension” boosts bass at expense of high frequency response.

((OGS))[®] PATENTED Open-Guided-Sound™

earphones

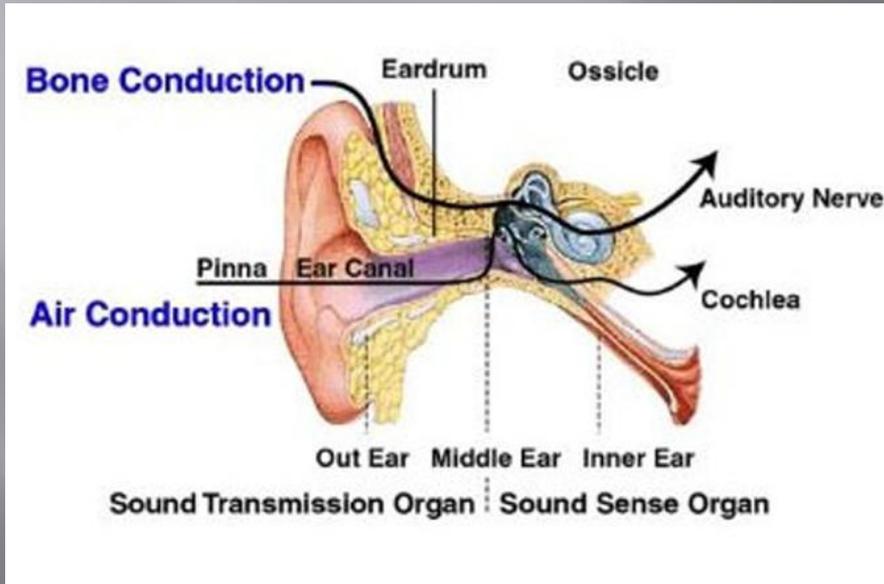


- Create a natural open “stage-like” soundfield
- Increase awareness of the environment & potential danger.
- Increase awareness of the environment & potential danger.
- Limit damaging high sound pressure levels in the ear canal
- Avoid the “bottled” sound sensation of conventional earphones
- Allow the ear canal to remain naturally dry & clear to prevent bacteria friendly moisture build-up

US Patents: 8,111,854,B2 ; 9,036,851,B2

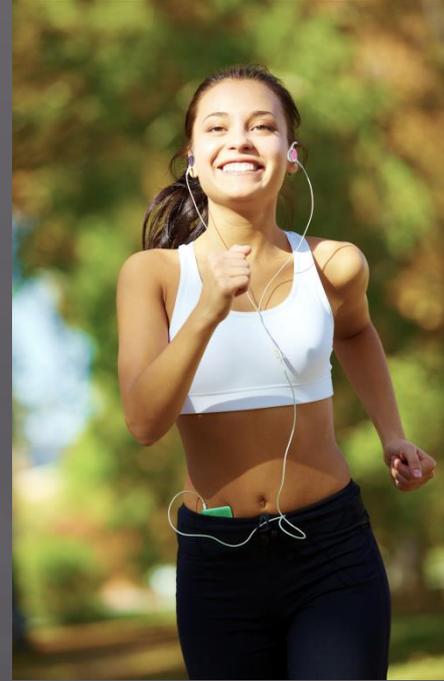
International patent information available upon written request.

Bone Conduction earphones



- Like OGS increase awareness of the environment & potential danger.
- Like OGS limit damaging high sound pressure levels in the ear canal.
- Like OGS allow the ear canal to remain naturally dry & clear to prevent bacteria friendly moisture build-up.
- Offer limited fidelity due to damping effect of flesh & bone in the signal path.
- Are prone to high levels of distortion.
- Require a cumbersome, uncomfortable & fatiguing head band that “presses” transducers to skin surfaces with considerable force.
- Require considerable power & may require additional power from a rechargeable driver to perform with low power devices such as MP3 players and Smartphones.

OGS[®] a better solution



Open-Guided-Sound™

The **“natural”** alternative to bone conduction

«OGS»[®]

Open Guided Sound



when your **Safety** demands you know “what’s going on”



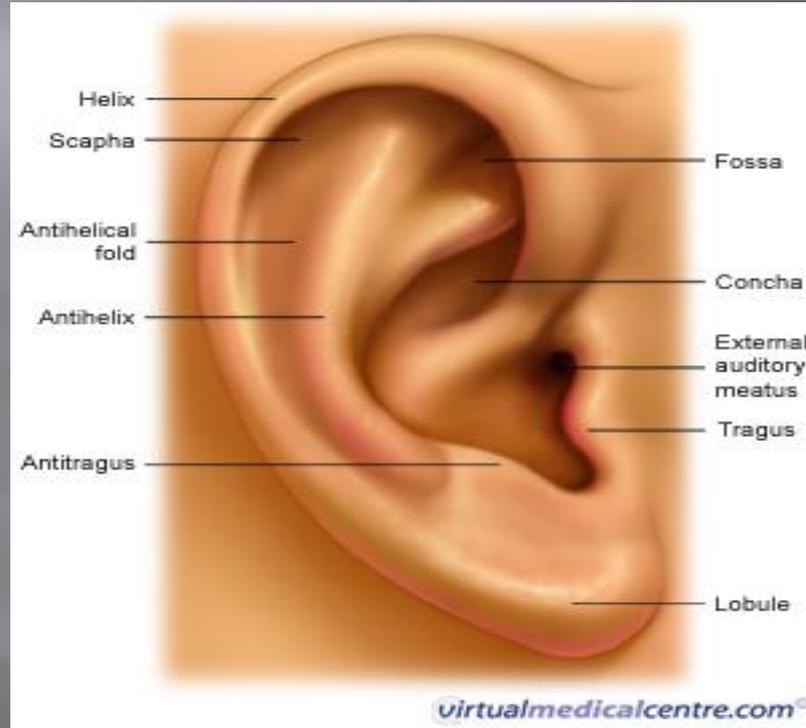
EU Acoustic Safety Certified



What makes OGS better

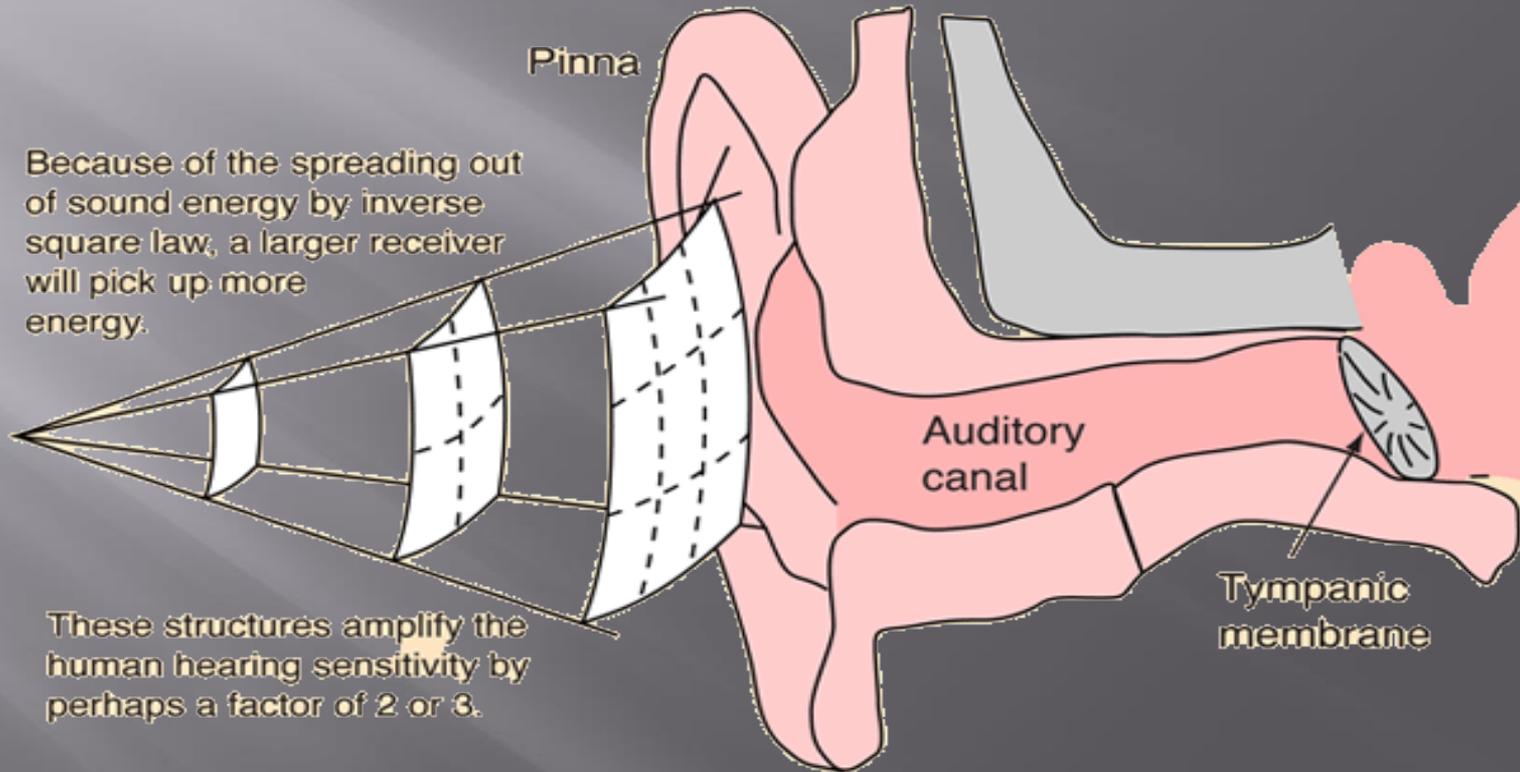


EARS...are a sophisticated organic “Amplifier”

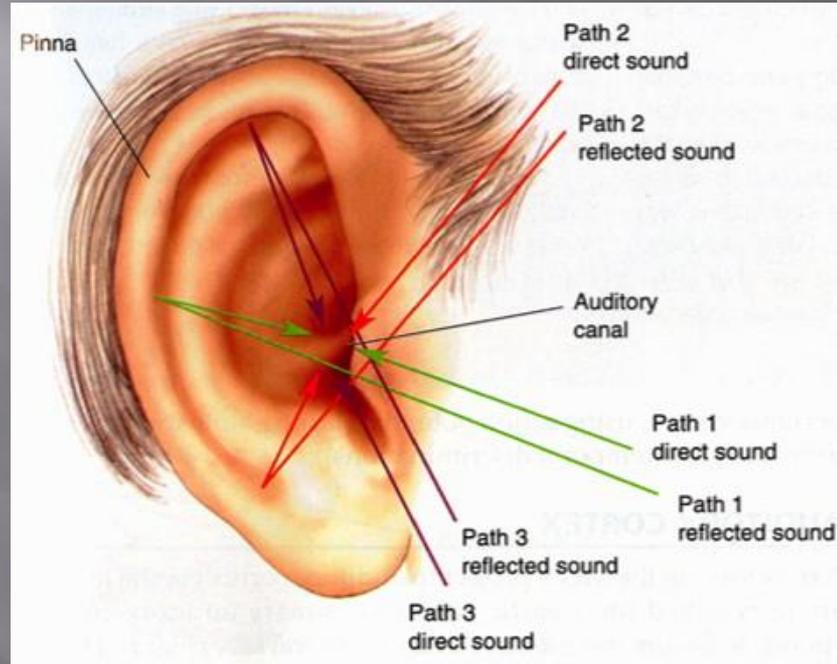


Every structure that comprises the ear plays in role in the sound we perceive

Ears capture & amplify sounds...

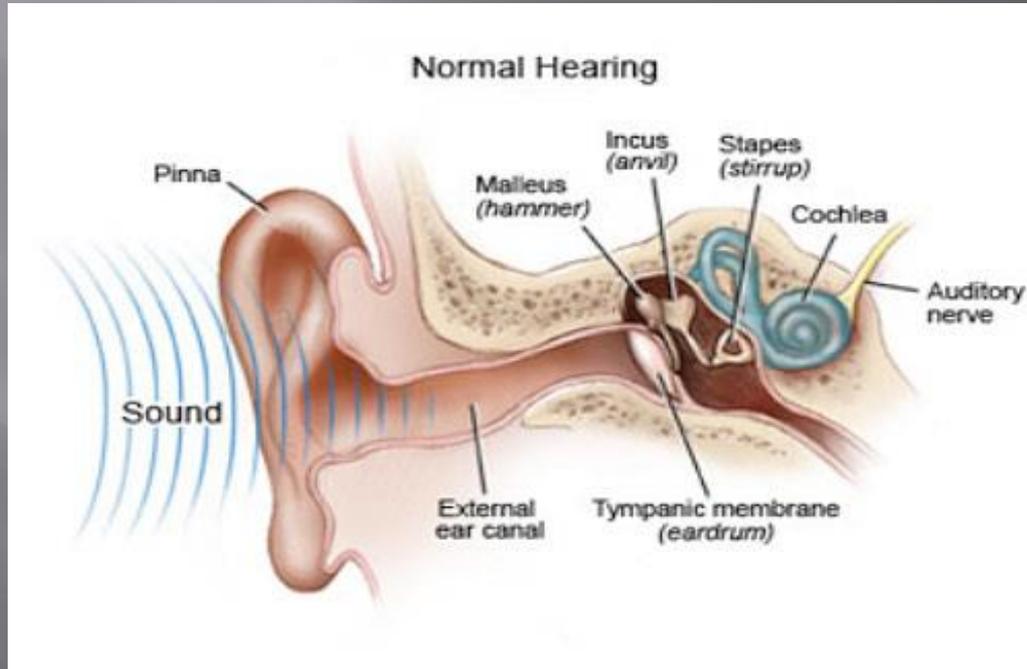


EARS ALSO COLLATE THIS SONIC DATA

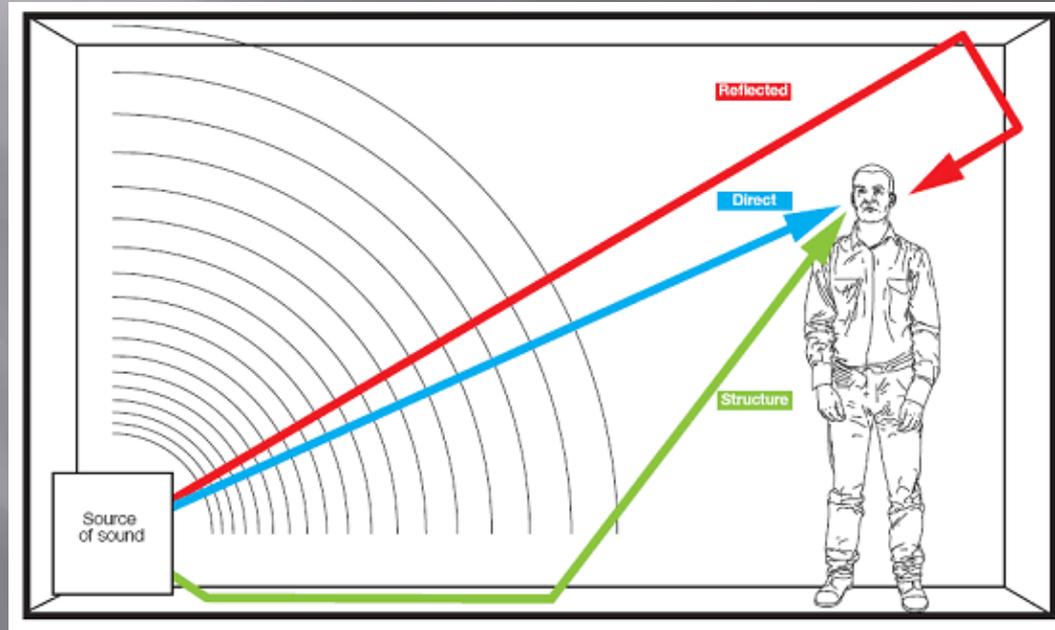


From a single point source, sound arrives at different parts of the ear at different times and by different paths.

This harvested sound information passes down the ear canal registering as complex vibrations on the ear drum (tympanic membrane).



The middle & inner ear process this data so the brain can not only appreciate the sound, but also place it location in space.



Like “echo location”, complex groups of sound acoustically define the space around us and provide our sense of “presence” within a “soundfield”.