



# **HEARING SOLUTIONS SIG**

**Sun City Texas Computer Club**

**October 10, 2019**

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**Computer Club Membership entitles you to attend any  
Club Special Interest Group.**





*Watch this Video*

**Hearing Aid Acclimation & Adaptation**

**by Dr. Cliff Olson, Au.D**

**[https://www.youtube.com/watch?v=](https://www.youtube.com/watch?v=KHXY7vHlwPM&feature=em-lsp)**  
**[KHXY7vHlwPM&feature=em-lsp](https://www.youtube.com/watch?v=KHXY7vHlwPM&feature=em-lsp)**



**“What to Expect from  
My Hearing Aids –  
What They CAN &  
CANNOT Do”**

**Karen Block, HIS,**

- Is certainly no stranger to us.
- She has supported our SIG & presented a number of enriching lectures.
- She has worked in the hearing industry for over 30 years
- Karen is Owner & Operator of Advanced Hearing Aid Solutions located at 5353 Williams.

**“My goal is to better the lives of  
people who struggle with hearing loss.”**



# EXPECTATIONS

Karen Block, HIS

Advanced hearing aid solutions



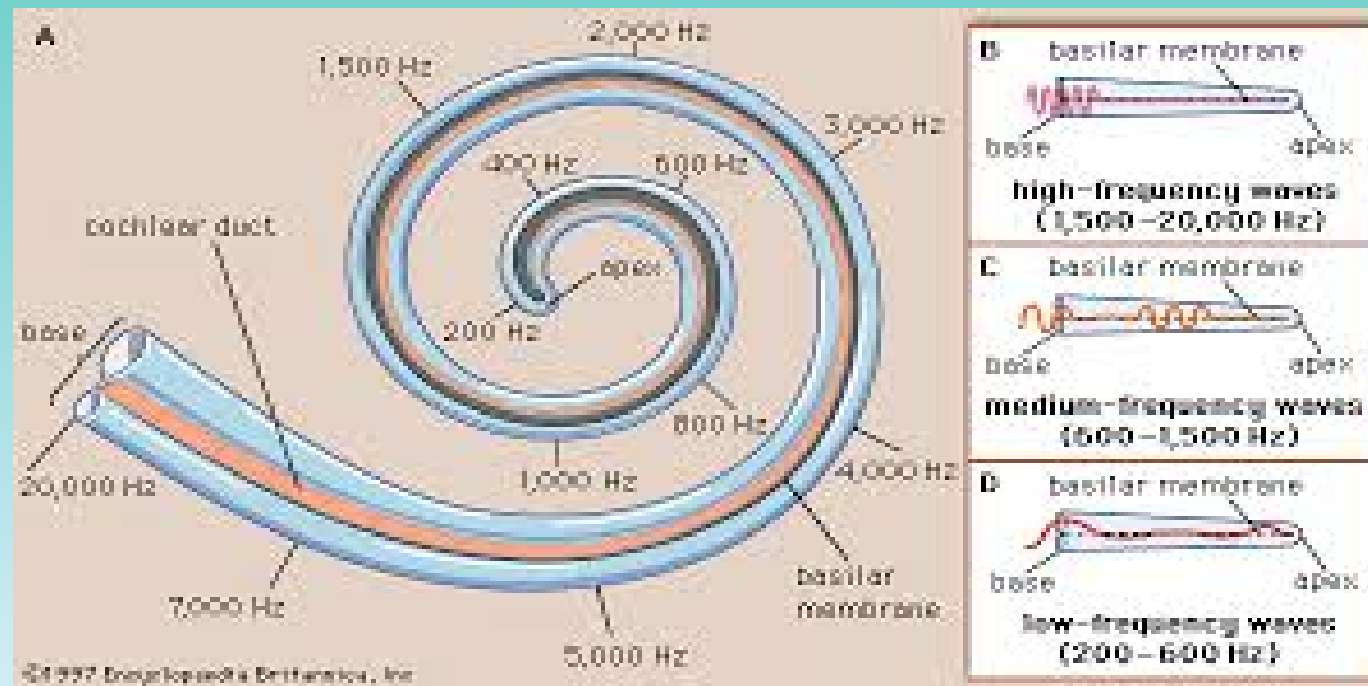
# Karen Block

A little about myself and my passion



# How do we really hear?

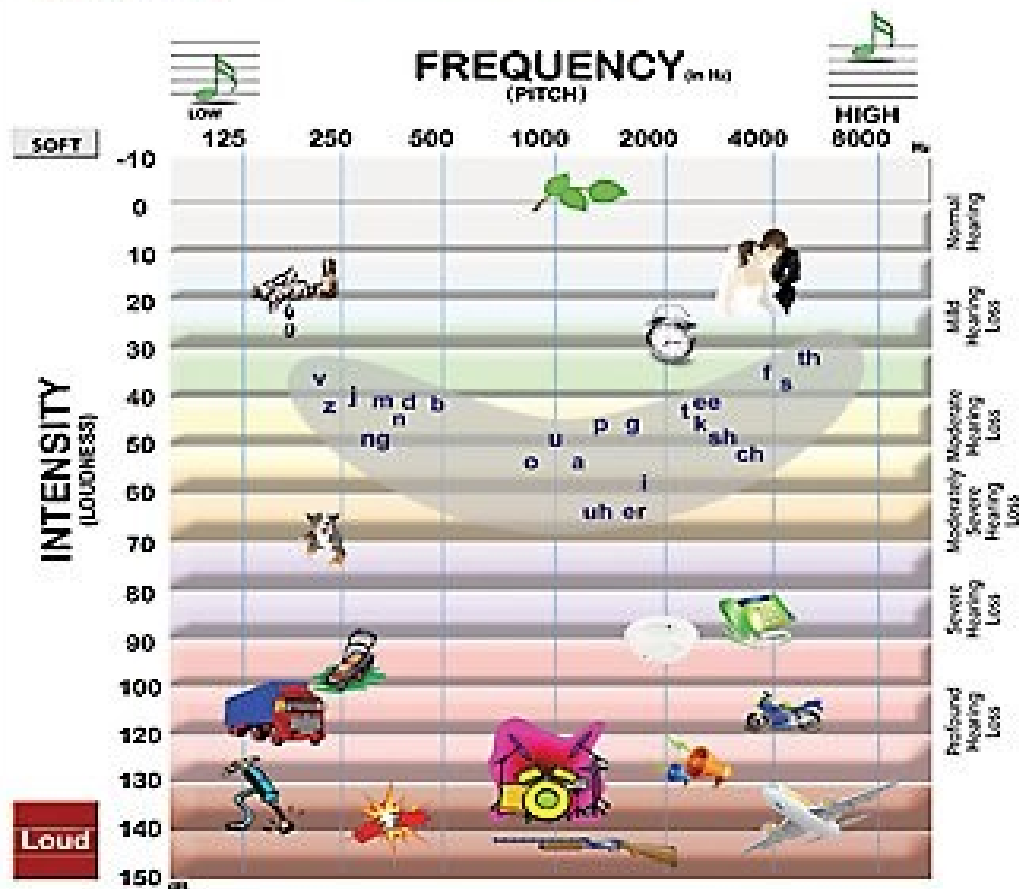
- Sound, what is it? How does it travel, how do I hear?



# AUDIOGRAM

Support Card

Everyday Sounds

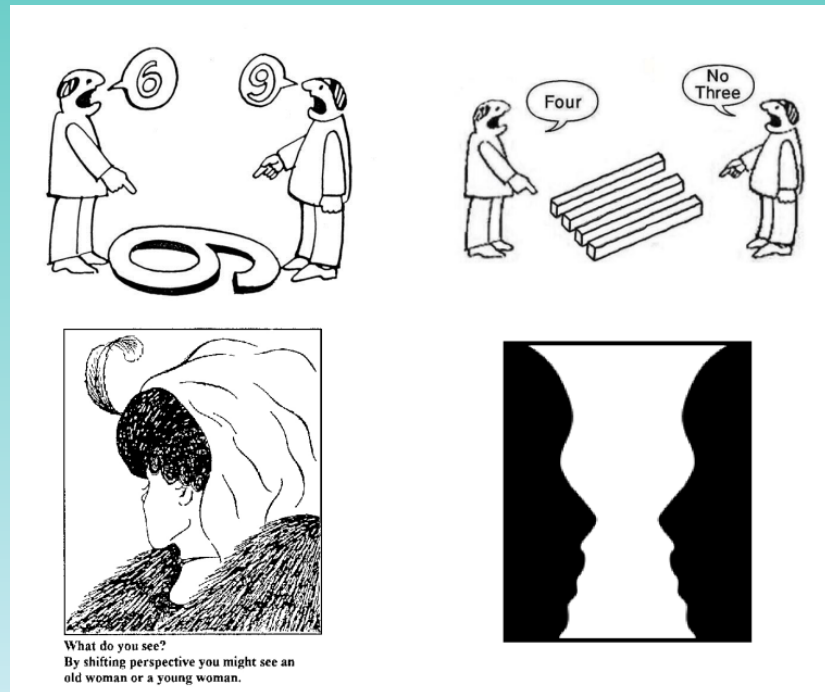


Exposure to extremely loud sounds can cause permanent hearing loss.

90 dBA	110 dBA	120 dBA	140 dBA
hair dryer	chain saw	pig squeal	gun
lawnmower	leaf blower	ambulance	balloon pop
table saw	car horn	jack hammer	firecracker

# How do we hear? Our Brain!!

## Your brain perception is unique to you!





# my friend has hearing aids and he/she struggles, why?

- Many different reasons:

Extent of damage to our cochlea, how long did a person wait before receiving help?

WRS – low word recognition score – auditory deprivation

LDL/UL – sensitivity to loudness

- Problems with auditory processing and cognitive function
- Prescription – Hearing aids will not bring you instant gratification.

They are not like eyeglasses

More like skates – buy a good pair, a good coach and practice



# Success MAY COME WITH Detours / slowdowns

- Problems with auditory processing and cognitive function, which can result in difficulty focusing, remembering or processing information they have heard
- Dexterity issues
- Not wearing – all day everyday
- Fighting the “tinny” or mechanical sounds
- Lack of communication
- Hearing aids can’t bring hearing back to normal
- Hearing aids can’t make your low WRS significantly better. Tricks to help this.



# What can hearing aids do?

- New technology– Millions of \$\$ spent
  - SNR – speech noise ratio
  - Automatic identifying
- Binaural Directionality – coordinates between both ears, seek out speech over background
- Spatial Sense – Ability to recognize and transform sound frequencies
- Noise Tracker – Noise has been identified- compressed within milliseconds
- Sound Shaping – Strategy for improving high Frequency audibility.
- Mobile phone apps – more precisely control your environment



## Cont.

# What hearing aids can do

- Bluetooth connectivity – phone calls can be answered using both ears and all phones
- GeoTag – saves your favorite locations
- T-Coil – Very important for many users
- Find my hearing aid
- Remote programming
- Multi Mics / Roger or others like this
- TV Streamers
- Rechargeability – up to 30 hours run time after every charge, no more battery changing



## Levels of Hearing devices and oTC options

### Manufactures have different levels and costs

- Economy – \$1,200 – \$1,999 OTC, Costco – 40Db maximum output allowed by FDA
  - “ adults age 18 and older to compensate for perceived mild **to** moderate hearing impairment.”
- Basic – \$3,999 – \$4,200 Stay at home, not social, small intimate groups no background noise
- Mid - \$4,800 - \$5,700 Semi-active, car, shopping, small meetings, small-medium groups
- Best - \$5,800 – and up Active lifestyle, conventions, large gatherings, music, large meetings
  - FYI Higher cost to my client doesn't mean more money for me!



# Advanced hearing Aid Solutions

5353 Williams Dr

Suite 112

Georgetown, TX 78633

Front of Rehabilitation Clinic for Scott and White

Gary Browns CPA and

Edward Jones - Michael Dosier



## **NEXT MEETING**

**November 14, 2019 – 10:00 a.m.**

**Info – Contact Nelda McQuary**  
**[mcquary@suddenlink.net](mailto:mcquary@suddenlink.net)**

