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100% Effective Natural Hormone Treatment
Menopause, Andropause And Other Hormone Imbalances
Impair Healthy Healing In People Over The Age Of 30!

Monkey Ears

By Andrea Campbell

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Just the other day I was talking to Ziggy, my Helping Hands capuchin monkey, and she looked at me quizzically and said, "Huh? Speak up!"

I have been operating under the assumption that her eyesight and hearing was equal to or better than ours. What made me think that? Well, we live at the top of a hill and, as a result, cars coming up the steep incline can generally be heard lowering into a heftier gear just before their approach. When K-9, our Dalmatian was alive, even though she was a bright dog, Ziggy used to bark the arrival of an approaching vehicle before K-9 did. Therefore, I'd just assumed that the monkey's ears were keener. Now a new study comes out from some researchers at the Michigan State University telling me I'm wrong. That monkeys' hearing is "discernibly less acute than that of people for the frequency range in which human speech is expressed and heard." In fact, the clinical truth of this has been known for a long time, but a fundamental explanation as to why has forever been lacking. Until now.

Physics is a field dealing with the properties and interactions of matter and energy. Currently, a new subfield of physics, biological physics is providing answers to questions such as why monkey ears, while so similar to our own, work differently.

Michael Harrison, a Michigan State University physicist, has written a paper for the American Physical Society outlining, for the first time, his results explaining this phenomenon. And apparently size is the all important key.

To begin, Harrison tells us that we can think of our ears as holding pens for all matter of sound. Human ears register pure tones, which our brain eventually translates into meaningful sound such as speech or music, but the tones must fight their way through a lot of noise. The noise is created from the amount of air that is found inside the ear canal, under certain ambient air temperature. In other words, Harrison explains it like this: "Air molecules are like people moving around in a crowded room at a cocktail party. The warmer it is, the more molecules—or cocktail guests—run around, and it creates noise. With this random noise, it's harder to hear an individual conversation."

Monkey Ears

The constant ambient air temperature is the physical mechanism which, in random fashion, creates sound waves that resonate within the air column leading to the eardrum. It follows then, that these incoherent sound waves create a "resonant pressure" on the eardrum, similar to what it is like when you hold a seashell to your ear and the sound waves bounce around. The resonant pressure fluctuates and increases the random firing of nerve cells in the auditory system. Transmitted from the auditory system to the brain, these random firings result in noise that masks or obscures a signal that contains speech or other useful information.

The smaller shape of the monkey's ears means that the monkey is faced with a lot more "seashell-type roar" and noise than humans take in. "So that's what the average monkey is faced with—a lot more white noise is created in the little ear that blocks the outer ranges of sound. This also explains the historic bank of data that indicates that monkeys hear a smaller range of sounds than humans do.

So, in essence, my little Ziggy's ears get a lot of ambient noise and those dumb looks in a chaotic setting can be written off to her diminished hearing, or, let's say her not hearing at a comfortable level.
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Andrea Campbell is the author of *Bringing Up Ziggy: What Raising A Helping Hands Monkey Taught Me About Love, Commitment, and Sacrifice*. She frequently writes about monkeys, forensic science, criminal justice, writing and parties....

Andrea Campbell is the author of eight books on a variety of subjects including forensic science, criminal law, and primatology.

Ear Wax – Useful As Well As Menace

By Sharon Hopkins

Our body has given us sufficient means to protect us from problems which we may face in our daily life's. Ear wax is one those things which is useful and if in excess there can be some trouble for our ears. It is a liquid which is secreted by cerumen glands which are present only in the ear canals. If it is not treated it can cause deafness, irritation and soreness to your ear which is not at all pleasant. It is an 'in-house production' and has to be cleared on a regular basis. Because once there is accumulation of wax you could see accumulation of problems also.

Symptoms of having ear wax

* Continuous pain in your ears * Difficulty in hearing * Happen to hear a ringing noise in your ears * A feeling as your ears has been blocked due to something

Problems with ear wax

* Ear wax can block the ear which can disturb or reduce the hearing capacity * The bacteria is trapped behind the ear wax leading to infection with graver problems * There would a short period of deafness

Monkey Ears

while bathing or swimming

Some of the methods to remove the ear wax

*Ear syringe can be used in your ears to squirt warm water to irrigate the accumulated wax *Use of olive oil in your ears can smoothen the ear wax to be removed easily *Avoid using ear buds which can push ear wax inside rather than removing it *You can also use baby oil which has to be warmed up till room temperature and should be done at least twice a day *Avoid picking or poking your ear canal as this may damage your ears *By going to a specialist *You can also use Vaseline which has to be pasted to the outer edges of the ear opening and be cleaned the next day.

Sharon Hopkins manages home remedies sites such as

<http://www.home-remedies-for-you.com>

to

help you in your daily life with simple and easy home care remedies. Ear wax problem is a very common problem which can be treated by using your home based treatments.



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