

# Fire Department Retreat

Harvest Church, 1235 W Wicks Lane, Billings, MT 59105

March 7, 2008

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## The Power of Sound

### □ Sound Foundations

Through him all things were made; without him nothing was made that has been made. – John 1:3 (NIV)

<sup>16</sup>For by him all things were created: things in heaven and on earth, visible and invisible, whether thrones or powers or rulers or authorities; all things were created by him and for him. <sup>17</sup>He is before all things, and in him all things hold together. – Colossians 1:16-17 (NIV)

"You are worthy, our Lord and God,  
to receive glory and honor and power,  
for you created all things,  
and by your will they were created  
and have their being." – Revelation 4:11 (NIV)

### □ Key Events in Genesis

<sup>1</sup>In the beginning God created the heavens and the earth. <sup>2</sup>Now the earth was formless and empty, darkness was over the surface of the deep, and the Spirit of God was *hovering* [rachaph] over the waters. <sup>3</sup>And God said, "Let there be light," and there was light. – Genesis 1:1-3 (NIV)

□ rachaph (raw-kjaf) 07363 – translated: "shake, move, flutter"

□ Law of Physics: The universe is in a constant state of vibratory motion.

□ Light and sound travel through the medium of waves...  
...Essentially, we know that all these categories and forms of light and sound exist within the same spectrum. So the first time God said, "Let there be light," He was also proclaiming the beginning of sound. – (*Excerpt from the Sound of Heaven Symphony of Earth by Ray Hughes, Aug 2003*)

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## ☐ Visible and Non-visible Effects of Sound

### ☐ Important Scientific Terms

- Frequency: The speed at which matter vibrates.
- Resonance: The intensification and prolongation of sound, especially a musical tone, produced by sympathetic vibration.
- Entrainment: The tendency of two oscillating bodies to lock into phase so that they vibrate in harmony.

### ☐ Biblical Events to Examine

- The Conquest of Jericho – Joshua 6
- Jehoshaphat – 2 Chronicles 20:22-25
- David in Saul's Service – 1 Samuel 16:23
- Gideon Defeats the Midianites – Judges 7:20-22
- David Defeats the Philistines – 2 Samuel 5:22-25
- The Siege Lifted – 2 Kings 7:5-6
- Paul and Silas – Acts 16:25-26

### ☐ Biblical Instruction of Speech

The tongue has the power of life and death,  
and those who love it will eat its fruit. – Proverbs 18:21 (NIV)

<sup>6</sup>The tongue also is a fire, a world of evil among the parts of the body. It corrupts the whole person, sets the whole course of his life on fire, and is itself set on fire by hell. <sup>7</sup>All kinds of animals, birds, reptiles and creatures of the sea are being tamed and have been tamed by man, <sup>8</sup>but no man can tame the tongue. It is a restless evil, full of deadly poison. <sup>9</sup>With the tongue we praise our Lord and Father, and with it we curse men, who have been made in God's likeness. – James 3:6-9 (NIV)

- "We don't hear with our ears only. We also hear through the bones of our body. Bone, indeed, conducts sound very well. When we talk, we hear ourselves through our ears (air conduction) and through the vibrations of our bones (bone conduction)." – Dr. Alfred A. Tomatis  
(<http://www.tomatis.com/English/Articles/Biography.html>)

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- If our bones resonate with words that are spoken how are those words affecting our overall health?
  
- Scriptures to Examine:
  - Psalm 102:5
  - Proverbs 3:7-8; 12:4; 14:30; 15:30; 16:24; 17:22
  - Jeremiah 20:9
  - Habakkuk 3:16
  - Matthew 12:35-37
  - Ephesians 4:29

## □ Scientific Discoveries with Sound

- Breaking of a Wine Glass
- 1850 Bridge Collapse, Angers, France
- 1940 Tacoma Narrows Bridge Collapse
- Extracorporeal shock wave lithotripsy (ESWL) technique to destroy kidney stones
- Sonic Weapons
  - Vladimir Gavreau, Sonic Whistle
  - Long Range Acoustic Device (LRAD)
  - Active Denial System (ADS)
  - Hans Jenny – Cymatics

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## Information Resources

*NOTE: Sources cited below may not be biblically based. Beware of errors or deception in conclusions before starting premises.*

DNA Song, Genomic Music, Protein Music

<http://genomebiology.com/2007/8/5/405>

[http://en.wikipedia.org/wiki/Music\\_Genome\\_Project](http://en.wikipedia.org/wiki/Music_Genome_Project)

Cymatics

<http://www.cymaticsource.com/>

<http://en.wikipedia.org/wiki/Cymatics>

Resonance Square, Chladnian Plates

[http://en.wikipedia.org/wiki/Ernst\\_Chladni](http://en.wikipedia.org/wiki/Ernst_Chladni)

[http://en.wikipedia.org/wiki/Lissajous\\_curve](http://en.wikipedia.org/wiki/Lissajous_curve)

Entrainment

[http://en.wikipedia.org/wiki/Entrainment\\_%28Biomusicology%29](http://en.wikipedia.org/wiki/Entrainment_%28Biomusicology%29)

Sonic Weapons

<http://www.mindcontrolforums.com/news/infrasound.htm> - Vladimir Gavreau

[http://en.wikipedia.org/wiki/Infrasound\\_gun](http://en.wikipedia.org/wiki/Infrasound_gun)

[http://en.wikipedia.org/wiki/Active\\_Denial\\_System](http://en.wikipedia.org/wiki/Active_Denial_System) – U.S. Military non-lethal, directed-energy weapon

[http://en.wikipedia.org/wiki/Long\\_range\\_acoustic\\_device](http://en.wikipedia.org/wiki/Long_range_acoustic_device) – crowd-control and hailing device

Videos

<http://www.youtube.com/watch?v=94KzmB2bI7s> – Acoustic Levitation Chamber

<http://www.youtube.com/watch?v=3mclp9QmCGs> – Tacoma Narrows Bridge Collapse

<http://www.youtube.com/watch?v=ECNDpCYvaOc> – Wine Glass Breaking

Other Papers, Articles, Etc.

<http://www.worldnetdaily.com/index.php?fa=PAGE.printable&pageId=40054> – *Did God Speak Universe into Existence*

<http://www.vibrationdata.com/Tacoma.htm> – *Study of Tacoma Narrows Bridge Failure*

<http://library.thinkquest.org/11902/physics/vibrate.html> – *The Physics of Baseball: Stinging and Broken Bats*

<http://www.iwarschool.com/> – *International Worship Arts Recording – God Vibrations Study*

<http://www.rayfowler.org/2007/05/17/can-a-marching-band-make-a-bridge-collapse/>

[http://en.wikipedia.org/wiki/Angers\\_Bridge](http://en.wikipedia.org/wiki/Angers_Bridge) – *Bridge Collapse in Angers, France, in 1850 from 478 marching soldiers*

<http://www.msnbc.msn.com/id/15316573> – *Doctors May Be Able to Hear Cancer's Spread*

<http://www.cbsnews.com/stories/2002/01/08/60II/main323596.shtml> – *A Sixth Sense*

<http://www.abcnews.go.com/Primetime/print?id=2311762> – *Seeing Life in Colors: Crosswired Senses*

[http://www.cropcirclesecrets.org/crop\\_circles\\_sound.html](http://www.cropcirclesecrets.org/crop_circles_sound.html) – *Is Sound Creating Crop Circles?*

<http://www.msnbc.msn.com/id/15496403/from/RS.2> – *158-mph Gust Hits Observatory 'Real low, bass sound'*

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