

Seismic Frogs

Psalm 65:6-7

"Which by his strength setteth fast the mountains; [being] girded with power: Which stilleth the noise of the seas, the noise of their waves, and the tumult of the people."



The male white-lipped frog of Puerto Rico communicates using more than a variety of sounds. The frog also sends seismic signals through the ground. Researchers studying the frog have learned that it is more sensitive to seismic signals than any other creature.

The male white-lipped frog communicates using chirps, chuckles and thumps on the ground. The male begins to establish his territory by sending out a rapid stream of chirps. When he is sitting on the mud, each chirp begins with a thud. The thud is a thump on the ground that is strong enough to travel for some distance. It's thought that he does this by inflating his throat pouch so rapidly that it thumps on the ground, setting up a seismic wave.

The thump is an important part of the frog's territorial strategy. While his chirps tell other males his direction, they don't let the others know how far away he is. However, the seismic wave travels through the ground at a different speed than the chirp travels through the air. This difference allows the other males to know both the distance and direction of the male by the different times at which they hear the thump and the chirp. The other males respond to the chirps and thumps with longer sounds called chuckles.

Who taught the frog this complicated, but precise system? Who taught him how to measure distance by using both airborne and seismic waves? Only our wise Creator could have done this.

Notes:

J. A. Miller. 1985. "Frog Talk: Chirp, Chuckle and Thump." Science News, Vol. 127, Jan. 12, p. 21.
Photo: Mexican white-lipped frog. Courtesy of Esteban Alzate. CC BY-SA 2.5

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Memorial Baptist Church



July 25, 2021

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This Week at Memorial

Sunday, July 25, 2021

8:00am - Early Worship
9:30am - Discipleship Groups
10:40am - Worship - Junior Church (PK -3rd grade after music)
10:40am Service - Baptism, Christian Price
VBS Crew Chief Meeting Following 10:40 svc.

7pm - Run for Ghana (No video this evening)

7/26 - 30 - MBC VBS (8am - 11am)
7/28 - No Service

A Look Ahead

8/1 - VBS Celebration
8/2 - Yesterday's Kids
8/4 & 8/7 - Washington Fair Ministry
8/4 - No PM Service
8/18 - Back to School Ice Cream Social
9/5 - Life Groups Launch (Home Groups)
9/18 - Beast Feast

Week of July 25, 2021

Joy Junction

9:30am Sunday School - Christine G.
10:40am Service - Cindy S. & Isabella
7pm - Run for Ghana (no video)

Wednesday, 7/28 - No Service

Junior Church

Corley - Laycie K.

Wednesday, 7/28 - Kids' Connection

No Service

Usher Ministry

Early - Ben S., Steve G.
Sunday School - Ben S., Steve G.
10:40 - Jerry P., Matt S.
6:45pm - No Video
Wednesday, 7/28 - No Service

Deacon Recommendations

If you have a person you would like to recommend, please fill out the back of the MBC Connect card in your bulletin and place it in the offering plate.

Deacon Election Process

August 6: Last day for recommendations
Sept. 5: Deacon candidates announced
Sept. 5-19: Ask questions or share concerns
October 13: Vote on deacon candidates

VBS Crew Chief Meeting

There will be a VBS Crew Chief meeting after the 10:40 service.

Johnson Crib Shower

Today is the crib shower for Josh and Maddie Johnson in celebration of their baby boy, Flynn Archer Johnson, born 7/13 weighing 7lbs 3oz and 21.5" long.

Washington Fair Outreach

MBC will serve at the Association outreach booth August 4th & 7th. This is a great opportunity to help pass out tracts and church information, have spiritual conversations, and share the gospel with soccer ball giveaways. Sign up for a 3-hour block and receive a free ticket to the fair.

Women's Book Study

Contact the church office if you would like to attend "Made to Crave: Satisfying your Deepest Desires with God, not Food" by LysaTerkeurst. Classes will be on Thursdays at 7pm **beginning 8/5**. The cost of the book and workbook is **\$23.05** payable at the first class. (The price went up a few dollars since first notice was sent via email.)

Preschool Teacher Needed

The Light Academy is looking for a full-time teacher for the 4-year-old class beginning in August. If you are interested, please contact the church office for an application.

Church Wide Cookbook

We are working on a church wide cookbook. If you are interested in contributing, please turn in recipes in print to Rachel's mailbox or Laura Smith's.

VITAL SIGNS

July 18, 2021

Sunday School	105
Sunday AM Worship	184
Last Year	171
Virginia Mines Campus	31
Last Year	20

Weekly Budget

Needed weekly	\$	6,976.15
Received	\$	5,197.05
Over (Under)	\$	(1,779.10)
Y-T-D Over (Under)	\$	19,395.36
BTIF	\$	10.00
Missions / FPG	\$	10.00
Buddy Bags	\$	100.00

Week of August 1, 2021

Joy Junction

9:30am Sunday School - Ben & Kim S.
10:40am Service - Rachel S., Kathy M.
6pm - VBS Celebration
Wednesday, 8/4 - No Service

Junior Church

Corley - Laura S.

Wed., August 4 - Kids' Connection

No Service

Usher Ministry

Early - Kevin M., Jim H., Kathy M.
Sunday School - Kevin M., Jim H.
10:40 - Chris S., Curtiss C., Sue R.
6pm - Duane B., Pat M. (VBS Cele. - no video)
Wednesday, 8/4 - No Service