

The Sixth Sense

Science textbooks tell us that we and other forms of life have five senses--smell, taste, touch, hearing, and sight. Research has now shown that some animals have a sixth sense--the electric field sense. The sensing organ in this case is called the ampullae of Lorenzini. Lorenzini was an Italian anatomist who in 1678 noted pores around the mouths of sharks and rays that led deep into the head of the animal. The material connecting the pores to the brain of the animal was filled with a crystalline gel. The word ampullae refers to a bulbous pouch which actually contained a tiny hair similar to those of the human inner ear. It was not until the 1990s that scientists finally had the technology to understand what this structure was about, and how it actually is a sixth sense.

When animal muscles contract and expand they give off a small electric field. This happens because nerves are involved in making the muscles work, and nerves carry electrical energy. The field is incredibly small, but modern equipment has given scientists the means to detect it. The shark or ray has a sensitivity in the ampullae of Lorenzini that is so good it can pick up a millionth of a volt generated in an electric field. If you take a normal AA battery and connect it to the ground between Long Island Sound and Jacksonville, Florida, the field would be a millionth of a volt and the shark could detect it. It has taken centuries for man to develop equipment that can detect such a weak field.

The shark uses the electric field to map the vicinity and detect what animals are nearby and what they are doing. An injured or dying fish will send out strong electric field impulses and the shark can find it whether it is giving off blood or not. Sharks are important to the balance of life in the sea, and they have incredible equipment designs to allow them to do this. Studies are ongoing to see what other species have ampullae of Lorenzini. This sixth sense is one more testimony to the design and intelligence built into the world in which we live.

Article from *Does God Exist? January/February 2009*
@ www.doesgodexist.org

For additions or corrections to the directory please contact Mike Mendez

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For corrections, suggestions, or to have something included in the bulletins, please contact Ryan or Jennifer Stiltz at 924-0435 or email at stiltz_family@sbcglobal.net

Bulletin 173 February 8, 2009

WELCOME

to the
Church of Christ
meeting at Mack Road

This morning's sermon:
**Bible miracles vs. current miracle
workers**
Deuteronomy 13:1-5



Congregational Meeting Times:

Sunday

Morning Bible Study 9:30 am
Worship Service 10:30 am
Evening Service 6:00 pm

Wednesday

Morning Bible Study 10:00 am
Evening Bible Study 7:00 pm

Visitors

The members here would like to offer a special welcome to our visitors today. Please allow us to shake your hand and talk with you, as we take great joy in getting to know you. Visitor cards are available at the pews for you to provide us with a record of your attendance. We appreciate you taking the time to fill these out.

Important dates to remember:

January:

Sun. 15th - Men's business meeting at the bldg, 4:15pm
Sun. 22nd - Last Sunday of the month singing during evening services
Sun. 22nd - Teacher's meeting for all current teachers, parents of children, and any members interested in possibly helping out in the bible classes at some point. Time TBD.

Fellowship Opportunities:

Sun. 8th - **Group 1** meets following evening services
Fri. 27th - Family Night Potluck at the Uptegrove's home, 6:30pm

Notes:

Angela Riemer - baby shower in Dixon today, all ladies invited, details in foyer
Special Thanks to: Jerry Frinzell for changing all the air filters and to Sue Hop who regularly takes out the trash for the building



Ladies House to House Fellowship

We are starting a new book, it is from the Life Principles Study Series
Lesson Book: "Developing Inner Strength, Living in the Joy of God's Love"

Next class: Sunday, **February 15th** at **Jill Julien's** home.

Please prepare lesson 1. If you do not have a lesson book, please see Mavrey Uptegrove.

March 15th - Mavrey Uptegrove

April 19th - Jennifer Stiltz

MEMBER'S CORNER

Classes

Growing Kids God's Way: Tuesdays at 6:45pm at the Stiltz home.

New Converts Class: 2nd and 4th Sundays at 5:00 at the building. See Mike for details.

Young Adults Class: Friday nights at Steve Sarff's home. See Caleb for details.

Shout for joy to the LORD, all the earth.

Worship the LORD with gladness;
come before him with joyful songs.

Know that the LORD is God.

It is he who made us, and we are his ^[a];
we are his people, the sheep of his pasture.

Enter his gates with thanksgiving
and his courts with praise;
give thanks to him and praise his name.

For the LORD is good and his love endures forever;
his faithfulness continues through all generations.

Psalm 100 Today's NIV

Birthdays this week:

Jerry Frinzell	Feb 8
Melissa Grimes	Feb 11
Sue Hop	Feb 12

Anniversaries this week:

Craig and Tina Pitt	Feb 14
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