

Worship in Song

Announcements & Greetings

Children's Moment

Worship in Tithes

Doxology

Worship in Song

Reading of the Word

Acts 4:37-47

Worship in Teaching

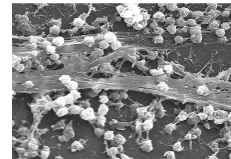
Control—Circumstances—Impact

John 4:27-34

Pastor Bill Butler

Worship in Song

The Social Lives of Bacteria



And the LORD said, Behold, the people is one, and they have all one language; and this they begin to do... – Genesis 11:6a

About 300 years after the Genesis Flood, when all people spoke the same language, they decided to work together to build a great city. Working together for a common goal is called "social intelligence." Do animals practice social intelligence? Of course, there are the bees, the ants and the beavers, but even bacteria – among the lowliest of all creatures – also show social intelligence!

Several types of common bacteria have shown evidence of social intelligence. Contrary to expectation, sometimes this cooperation takes place between unrelated types at the expense of genetically related individuals. Bacterial colonies where cooperation is taking place always attract freeloaders. Such colonies often find ways to discourage or even kill the freeloaders. One such cooperative community is a common soil bacterium. When they locate prey, they swarm over the prey like a pack of wolves. Many species of bacteria remain relatively singular until they sense that they have enough to form a community. Then, they communicate to each other by releasing certain molecules which the others sense, and they form slime mold colonies, or a biofilm.

Cooperation and a result of social intelligence can be used to do good or evil. But it doesn't matter where they are on the imagined evolutionary tree. God has given social abilities to many of His creatures as a means of helping their kind to survive.

Prayer: Lord, I thank You for the ability to cooperate with others to do good. Help me to better cooperate for the good of all. Amen.

Ref. *Science News*, 11/20: 2004, pp. 330-332, Bruce Bower, "One-Celled Socialites." Photo: *Staphylococcus aureus* biofilm on an indwelling catheter.

Upcoming Schedule:

Mon. 8/12: 5:30-7:00 pm @ Burger Boy
The Pastor Is In

Wed. 8/14: 6:00 – 7:00 pm at Mountain Christian Church (MCC)
Music Practice
7:00 – 8:30 pm at MCC
Bible Study – The Tabernacle

Sat. 8/17: 10:00- 11:30 at the Smith's home
Women's Devotion & Meeting

Sun. 8/18: 10:00 am @ Los Vecinos Comm. Center "Upper Room"
Sunday Service & Communion

CBC partners with these local outreaches:

- **East Mountain Care Net Pregnancy Center** (505-281-5408)
- **Camp Oro Quay** (505-281-5474)
- **EMCC Helps Ministry** - contact Pastor Bill

Happy Anniversary to Hal and Kristine 8/17!



CANYON BIBLE CHURCH

PO Box 1674, Tijeras, NM 87059-1674

www.canyonbible.org

Pastor Bill Butler (505) 228-2609 † Bill@CanyonBible.org
Pastor Rick Mitchell (505) 221-0163 † Rick@CanyonBible.org