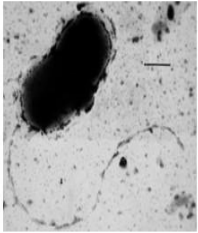


THIS WEEK'S CREATION MOMENT

Bacteria That Dissolve Steel



Lay not up for yourselves treasures upon earth, where moth and rust doth corrupt, and where thieves break through and steal: (Matthew 6:19)

They work silently and in the dark. While most of Earth's inhabitants need oxygen for life, they merely tolerate it. They prefer to build their own environments where there's no oxygen. Then they go to work. And they love metal. Using complex chemistry, they begin dissolving metal.

They can make a sixteenth-of-an-inch hole through an inch-thick pipe in six months. Stainless steel isn't so tough – it doesn't slow them down a bit. Even modern space-age metals like titanium can't stand up to them.

No, we're not talking about some hideous creatures from outer space. These strange-sounding creatures are called sulfate-reducing bacteria. Each year, metal corrosion causes about \$167 billion in damage. And a large part of that damage is caused by bacteria destroying metal pipes.

Sulfate-reducing bacteria begin by sealing off their colony from liquid in a pipe or tank. Once sealed off, bacteria begin forming hydrogen gas. Sealed under the biosphere, the hydrogen accumulates and is absorbed by the metal. The absorbed hydrogen begins to corrode and make the metal brittle. Researchers, using pipes coated with epoxy, couldn't stop the bugs. It appears that the bugs thought the pigment in epoxy made a great change of diet.

Despite our modern scientific sophistication, moth and rust continue to afflict our efforts. This is God's way of reminding us that we, along with the creation, are afflicted with sin and are in need of the forgiveness of sins that is ours only through Jesus Christ.

Ref: Raloff, Janet. 1985. "The bugs of rust." Science News, v. 128. Photo: Desulfovibrio vulgaris is the best-studied sulfate-reducing microorganism species. (PD)

Memorial Baptist Church



December 3, 2023



Church Office

Office Hours: Mon. – Thurs. 8-2

(573) 237-2154

Memorial@mbcnewhaven.com

Visit our website at: **www.mbcnewhaven.com**

Secretary, Linda Warner Cell (314) 795-7832
Music Coordinator, Jeff Krueger (314) 971-4243
Deacon on Call, John Plummer (636) 359-2026

This Week at Memorial

Sunday, December 3, 2023

8:00am - Breakfast

8:45am - Discipleship Classes

10:00am - Worship

12/3 - 10 - Lottie Moon Week of Prayer

12/8 - 6:00pm - Youth Dinner Concert

A Look Ahead

12/10 - Christmas Program & Luncheon

12/20 - Youth Christmas Party

12/24 - Christmas Eve Svc. 8pm.

12/27 - NO SERVICE

12/31 - Youth Bowling and Lock in

1/7 - Breakfast

1/8 - Upward practices begin on Monday, Thursdays and Fridays.

Thank you for joining us for worship today. If you are visiting or have any prayer needs, please fill out an MBC Connect Card and place it in the offering plate.

December 3, 2023

Joy Junction

8:45am - Linda W.

10:00am Svc. - Alana Click & Mariah R.

Wed. - December 6 - Cindy S.

Junior Church

Jamie B. - James P.

Kids Connection - Wed.

Amy J. - Ryan G.

Usher Ministry

8:45 - **Sunday School** - Steve G.

10:00am - Jim S., Gary S., Lester O.

Wed. - December 6 - Tim R.

December 10, 2023

Joy Junction

8:45am - Cindy S.

10:00am Svc. - Julie C. - Thomas S.

Wed. - December 13 - Linda W.

Junior Church

NO JUNIOR CHURCH

Kids Connection - Wed.

Amy J. - Ryan G.

Usher Ministry

8:45 - **Sunday School** - Kevin M.

10:00am - Curtiss C., Jesse W., Ben S.

Wed. - December 13 - Ryan W.

Lottie Moon Christmas Offering

The International Missions week of prayer is December 3 - 10. Please help support our international missionaries with prayer and a generous offering for the Lottie Moon Christmas Offering. Help us surpass our goal of \$500.

Youth Dinner Concert

Please support our youth by attending the Youth Dinner Concert at 6pm on December 8 in the FLC. An Italian dinner will be served and a night of worship. All proceeds go to Students' Youth Camp 2024.

Closer to the concert date we will need heads of iceberg lettuce and desserts. Contact Laura Smith at

Tickets are \$5 each and can be obtained from the church office.

Preschool Teacher Position

The Light Academy Preschool has an opening for a teacher on Mondays, Wednesdays and Fridays from 8:30am - 5:30pm. Pay is \$12.50 per hour and you must be a member of a Baptist church. Substitute teachers are also needed. The preschool follows the New Haven School term and closes in the summer. Free tuition for one child 2 yrs old through pre-K.

Please contact the church office if you are interested.

Pastor Search Committee Schedule

Wednesday, December 13th 8pm---Question and Answers for Search Committee

Saturday, December 16th Pastor Meet and Greet schedule.

- Noon-2pm, deacons meeting
- 2pm-3pm, Sunday School teachers meeting.
- 3pm-4pm, Committee leaders meeting
- 5:30pm, Dinner
- 6:30pm- 8pm, Question and Answers for the church

Sunday, December 17th—view of call, Pastor Preaching. Vote immediately after service.