

February 26, 2017

This Weeks Events

Today:

10:00AM: (Grange)—*Bible 101: Matthew 7*—Pastor

11:00AM: (Grange)—*What the World Needs Now Pt. 2*—Pastor

6:00PM: (Grange)—*Advanced Bible: Regeneration*—Pastor

Upcoming Events

March 12, 2017: *Daylight Savings Time POTLUCK*—Dee Coale

July 9, 2017: *MISSIONARY TO GREENLAND*—J.R. Wright Family

Modern Medicine



Ron Coale

Medicine is one of the oldest sciences, but many doctors have refused to accept new ideas. Years ago, some doctors made fun of thermometers for measuring body temperature, others saw no purpose in taking blood pressure or timing the pulse, and others refused to scrub their hands before surgery.

For centuries doctors didn't know how the human body was put together. Anatomy is the scientific name for the study of the body, and the anatomy of the human body is one of the most important things a doctor must know. The ancient Greeks made the first studies of the human body and its bones. In fact, *anatomy* is a Greek word meaning, "to cut." One way to study anatomy is to cut or dissect a body to examine its parts.

Galen, a Greek doctor who lived almost two thousand years ago, dissected animals—dogs, goats, pigs, and monkeys. He described what he saw in careful detail, but not everything he saw in the animals held true in the human body.

For example, he found a network of blood vessels below the brain in most of the animals he investigated, and he considered these blood vessels an important part of the human body. Today we know that the blood vessels Galen described are common in animals, but they are not found in the human body.

Galen was the best doctor who lived during his time. He wrote more than fifty books about medicine, including a sixteen-volume encyclopedia called *On Anatomical Procedure*. His writings were used as textbooks in medical schools for thirteen hundred years.

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His books were still being used four hundred years ago when Andreas Vesalius decided to become a doctor. When he began medical studies in Paris at age seventeen, he was a quick-witted, tough-minded, stocky young man. He would need to be tough-minded to survive what he was about to come up against.

The best-known teacher at the medical school was Franciscus Sylvius. This doctor left surgery to assistants. The messy work of actually touching a patient was too much for his lofty ideas of himself. Instead, Sylvius sat behind a high desk and taught his students by reading from ancient medical books.

The books Sylvius and other doctors read most often were the books of Galen. Although Galen had warned doctors to study firsthand for themselves, his advice had not been taken. Galen had been a successful doctor, and he stated his views with force and confidence. In the centuries that followed him, doctors frowned upon independent study, although that was the only way they could arrive at the true facts about a patient. Instead, Galen became the undisputed authority. No one dared to differ with his books—books that were thirteen hundred years old.

Franciscus Sylvius, stiff and correct, believed that Galen's books were all a doctor needed to know. Sometimes he did allow a corpse to be dissected under his direction as he read from Galen. But if the corpse and the book didn't agree, then the error was in the corpse!

Andreas Vesalius soon tired of hearing Sylvius read aloud hour after hour from old books. Medicine should be more than a matter of saying "Galen said this," or "Galen said that." He didn't like teachers who taught things they had never tried. He couldn't bear to watch assistants make hasty, hacking dissections. "I would learn more facts from a butcher in his meat market!" he said.

While still a student, Vesalius resolved

that when he became a doctor he would conduct the dissections personally. He wanted to study the human body more accurately. His chance came when he found a skeleton of a robber that had been left hanging on a gallows. The birds had cleaned the bones. He crept out during the night and cut down the skeleton. This was dangerous business. He could have been thrown into jail. Back in his room, Vesalius studied the human skeleton until he knew every bone, even while blindfolded.

Sylvius taught that the breastbone had seven segments, yet the breastbone of this skeleton had only three parts. How could his teacher make such a mistake? Then Vesalius made a horrifying discovery. He compared a monkey skeleton with his human skeleton and found that Galen had studied monkeys instead of humans. Doctors were treating humans with diagrams of monkeys to guide them!

Vesalius found over two hundred mistakes in ancient books—mistakes still being taught by doctors of his day. He decided to write a new book showing all the muscles and bones. But he wanted his book to be different. Instead of long descriptions, he decided to use line drawings that could be easily understood.

He chose Jan Stephen van Calcar, a young artist, to make the drawings. This met immediate opposition by the doctors. What could an artist teach a doctor?

Vesalius's book was published in 1543. The book contained the first accurate illustrations of the human body. The three hundred drawings by Calcar turned out to be not only beautiful works of art, but also accurate scientific drawings.

Vesalius's book caused fierce opposition. Other doctors had their reputations at stake. They had taught Galen too long. Every small error of Vesalius's book was pounced upon and hotly scorned. Sylvius accused Vesalius of all sorts of crimes. For a time Vesalius feared he might be execut-

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The Johnsons

Missionaries to the "Children of the Dragon" in Mainland China



Dear Folks,

We've been having Internet connectivity email problems. Sometimes all we can do is access the inbox, but none of the messages will open and sometimes we can read messages, but not compose them. It should start getting better since Spring Festival and Lantern Festival have both ended. We no longer have fireworks going off all night.

The families we work with have also been traveling since during Spring Festival, there is almost a requirement that everyone go back to their hometowns to visit their families. We did not travel during the holiday because the trains, planes, and buses are all super-packed during this time.

Shops and restaurants are also starting to open back up. During this holiday, most of the shops and restaurants close for at least a week or two, but not necessarily at the same time. There is one week, though, when almost everything is closed. We stocked up on drinking water (tap water is not drinkable in China), and food for the holiday so we were covered. It still seems rather strange to see everything closed up though.

Carolyn is walking again. She was able to leave the apartment yesterday for the first time in a couple of months without her cane. The swelling in her foot has improved as well, but some movements and uses of the foot are still limited. She is also able to be on her feet more which is good.

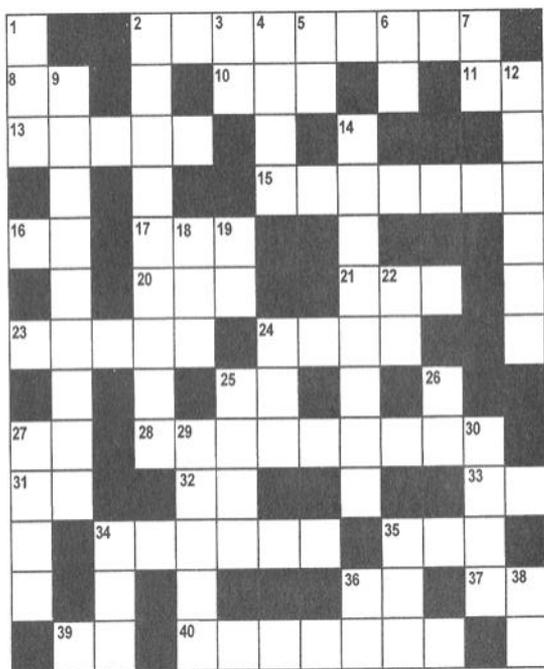
She's hoping to be able to get the results back on the inflammation tests now that the hospital is opened again, but the doctor wasn't sure what would cause the swelling and pain since it wasn't a broken bone. We're assuming it is somehow related to her fibromyalgia. But, PTL, she is able to walk again.

We've printed some book study materials for the ladies and are looking forward to sharing those this week with them.

School will start in a couple of weeks so once everyone has their schedules, we'll decide on a study time that will work so everyone can come.

Carolyn Johnson

Writer, mixed media and fiber artist, proofreader



ACROSS CLUES

- _____ of Judea. (Matt. 2:1)
- They rose _____ early. (Num. 14:40)
- Oxford English Dictionary (abbr.).
- Emergency Room (abbr.).
- Melchisedec, king of _____. (Heb. 7:1)
- Ahad called _____. (1 Kgs. 18:3)
- This is the way, walk ye in _____. (Isa. 30:21)
- That we may _____ and believe. (Mark 15:32)
- For by _____ were all things created. (Col. 1:16)
- The _____ appeareth, and the tender grass sheweth itself. (Prov. 27:25)
- Tempress.
- Decays.
- _____ and Ma.
- _____ the cross.

- Who smote _____ the son of Jerubbesheth? (2 Sam. 11:21)
- _____ it not written? (Mark 11:17)
- _____ angel of the Lord. (Judg. 6:11)
- Each (abbr.).
- Saul of _____.
- Ye seek me, _____. (John 6:26)
- Either/ _____.
- This was _____ of whom I spake. (John 1:15)
- I in them, and thou in _____. (John 17:23)
- Abraham took a wife, and her name was _____. (Gen. 25:1)

DOWN CLUES

- Liquid of decay.
- In the wilderness of _____. (Gen. 21:14)
- _____ and fro.
- David was one.
- 450 (Roman).
- Hello (informal).
- Without _____ ye can do nothing. (John 15:5)
- _____, and Medes. . . . (Acts 2:9)
- Belonging to the son of Bani. (Neh. 3:17)
- Rachel. . . called his name _____. (Gen. 30:8)
- Masculine object (German).
- Printer's measure.
- _____ ye have. . . received Christ Jesus. (Col. 2:6)
- A _____ caught in a thicket. (Gen. 22:13)
- Sewing fasteners.
- Before Christ (abbr.).
- Olive and sunflower.
- The son of Abinoam. (Judg. 4:6)
- Sidon. . . and _____. (Gen. 10:15)
- Open _____ door.
- National Rifle Association (abbr.).
- This _____ that.
- For example (abbr.).



Fall, 2016

Dear Pastor and Church Family,

“I know thy works: behold, I have set before thee an **open door**, and no man can shut it...” (Revelation 3:8). In 2016 the Lord was still opening doors for the gospel to be preached throughout the world! The Lord opened an amazing open door for BIMI in Papua New Guinea by the government of PNG to distribute KJV Bibles to every public school student across the entire nation, in fact, 2.17 million of them at a cost of \$3 per Bible (printing and shipping included)! This HUGE project will be done in three phases in public school assemblies, where the gospel will be preached and the Bibles distributed. We ask that you pray with us for this project and ask God how you could help distribute God’s Word to the public school students of PNG. Please visit www.bimi.org/png for details and to watch an amazing video on how God opened this door of opportunity.

In the months of September and October the Lord opened some local doors to churches in the West to allow me to preach and teach 30 times during three missions Sundays, two missions weekends, and three mission conferences, and one Wednesday night service in the states of California, Wyoming, Nevada, and Arizona, traveling 3,569 road miles and 2,030 air miles. We saw souls saved and believers challenged and strengthened in their commitments to go, pray, and send.

In the months of November and December the Lord opened some foreign doors in the nation of New Zealand to allow me to teach and preach in three churches a total of 25 times, with my wife teaching 5 times. We began and spent most of our time in the city of Christchurch at Lighthouse Baptist Church, a new church that is currently waiting for one of our deputation missionaries that is to lead that church beginning in early 2017. Our pastor asked us to go through that open door to teach on Baptist distinctives, doctrine, and soul winning for four weeks, while my wife taught a ladies’ class and a salvation lesson at a ladies’ Christmas dinner. We were welcomed to New Zealand on our first weekend and awakened at 12:02 AM on November 14th by an 8 minute, massive, 7.8 rolling earthquake, then evacuated because of a tsunami warning... what a rude awakening and welcome! Our last weekend was “full” as we taught and preached a missions seminar, marriage seminar, and Sunday morning services at Community Baptist Church in Auckland with our new national pastor friend Paul Brinkman and his wife Hera, and the Sunday night service at Bible Baptist Church in Rotorua with our old American friends Shane and Debbie Montgomery. After a little sightseeing on Monday, we flew back home after being gone for 34 days and a round-trip of 14,000 miles, just in

PRAYER REQUESTS

607.	Pastor	Souls saved in Shelton.
680.	Matt	Savings Account (Building fund) to reach —(\$10,000).
685.	Dee P.	Dee's brother Duane (a proud atheist) salvation.
755.	Regina	Grace Baptist Church to grow in influence & membership.
763.	Sally	Brother Nathan called to preach. Strength & direction.
796.	Regina	Strength for God's will in her life.
803.	Dee P.	Improved church attendance for her family.
849.	Sally	Jonny seeks God's will in making decisions for future.
865.	Dee P.	Son Joseph's health problems & depression.
867.	Dee P.	Family members to read KJB daily.
973.	Dee	Protection for Stephanie working as a nurse.
975.	Dee P.	Brother-in-law George stage 4 terminal lung cancer
976.	Dee P.	Our Christian men to grow as spiritual leaders in our homes, churches and communities.
1013.	Duane K.	Ben's Salvation.
1014.	Tom	Sisters wisdom and comfort in dealing with cancer decisions.
1017.	Kail	Friends healing from stroke.
1018.	Kail	Friend Zach is in lockup.
1021.	Pastor	Friend Victor Paloino's wife died. Comfort.
1023.	Pastor	Regina's health and recovery.
1024.	Pastor	Larry's successful surgery and recovery.
1027.	Pastor	Sister Regina needs encouragement.

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time to adjust our bodies, do a little Christmas shopping, and begin getting ready for our 2017 meetings (that is why I ask apologies for the lateness of this letter).

Prayer requests for 2017: For a full schedule of meetings (**please contact me if you would like to schedule us for a meeting and/or present the PNG Bible Project**); we need God's provision for health, safety, and God's power and liberty to preach and teach God's Word; for Phase 1 of the PNG Bible Distribution Project and how your church can be involved. **Thank you to all our churches that so faithfully supported us in 2016 and those that sent Christmas offerings!**

Looking for more open doors,

Mike & Wilda

Mike & Wilda McCombie

Colossians 4:3-4

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ed. He had to flee Paris.

He wandered from place to place. At age fifty Vesalius traveled to the Holy Land. He visited Jerusalem, and on the way back he died in a shipwreck.

Twenty-five years after the death of Vesalius, William Harvey of England traveled to Padua to study medicine. This was Europe's most famous school, the one Vesalius had attended.

William Harvey was a small man. He had a round face, olive complexion, bright eyes that seldom missed anything, and hair always in need of grooming.

Although Vesalius had proven Galen incorrect about the construction of the human body, the doctors of Padua still accepted Galen's ideas about other matters. They still used Galen's medical books to look up the "right" answer to any problem they had.

The doctors believed veins carried blood out in all directions *away* from the heart. The flow, according to the doctors and to Galen, was slow and irregular. Slowly the blood disappeared to be replaced by new blood from the liver.

Unfortunately, Galen had known nothing of blood circulation. What he believed was completely false. For example, he believed blood surging through the heart caused it to beat. He had no idea that the heart pumped blood.

One of William Harvey's teachers discovered little one-way valves in veins. Harvey wondered about the valves, like little trap doors, which let blood flow only one way. Galen said blood always flowed away from the heart. Yet these trap-doors were turned the wrong way. Blood would flow toward the heart. Something was wrong!

Harvey returned to England and began a successful medical practice. He even had King James 1 as a patient. But he still studied the heart. In one experiment he tied a vein closed. Blood caused the vein to bulge on one side, but the side nearest the heart drained empty. Veins carried blood to the heart!

Also, the heart pumps seventy gallons of blood an hour. That's much more than the liver could make. Galen was wrong again. Blood had to be reused; it couldn't just fade away.

William Harvey put his knowledge to use to cure a patient suffering from a large tumor. He tied off the arteries supplying blood to the growth. It withered away. He published his findings in a little seventy-two-page book, printed on thin, cheap paper. In this book he announced that blood leaves the heart in arteries and returns through veins to be used again.

"How does blood flow from arteries to veins?" doctors asked.

Harvey explained, "There must be tiny tubes between them too small to be seen."

He met bitter ridicule. Many doctors refused to repeat his experiments. Some called him "cracked brained" and frightened away his patients.

After the invention of the microscope, doctors found tiny networks as fine as spider webs connecting arteries to veins. The fine tubes are called capillaries.

Today, three men are given credit for helping modern medicine make real progress. Two of them, Vesalius and Harvey, were physicians. The third man wasn't a doctor at all, but a barber. His name is Ambroise Pare, and he is considered the first modern surgeon. ~

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