

Design Science Association

June 2021 Newsletter

Morning meeting
9:00am on the
third Saturday,
June 19th, 2021

*"For the earth will be filled with the knowledge of the glory of the Lord, as the waters cover the sea."
Habakkuk 2:14*

**News
Flash!**

DSA is meeting back at our regular location of
Greater Portland Bible Church

on **Saturday, June 19** at **9:00 AM**

Michael Oard* will speak on

Rapid Formation of Caves

DSA greatly appreciates use of the space at GPBC and therefore respects the GPBC Covid guidelines which are not stringent. The wearing of face masks is optional along with six foot distancing. In addition, let us all please exercise grace for one another and not disparage others that may wish to either wear a face mask or not. Thank you.



Michael Oard*

Rapid Formation of Caves and Speleothems Late in the Flood and During the Ice Age

The formation of caves appears to take millions of years if we assume the present is the key to the past. Present processes would indicate they were formed by carbonic acid, but it is very difficult to form the initial cave opening with just carbonic acid, even if we add millions of years. However, secular scientists have discovered that some caves, especially Carlsbad Caverns and other caves in the Guadalupe Mountains of southeast New Mexico, were excavated by sulfuric acid. More and more caves are now believed to have been formed by sulfuric acid dissolution, probably a majority of them. This presents the possibility that the cave openings were formed during continental uplift during the Recessive Stage of the Flood.

Speleothems are growing today at about 0.1 to 2 mm/year, which means according to the uniformitarian hypothesis, they are only tens to hundreds of thousands of years old. This is much younger than their previous estimates.

Speleothems grow primarily by the amount of the calcium ion in the drip water, which is largely dependent upon the amount of soil carbon dioxide dissolved in the soil water. Other importance variables for stalagmites are the cave temperature, cave ventilation, the drip rate, and the thickness of the film on top. The evaporation rate could be important, if the cave is well ventilated.

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The five major variables would be operating at a maximum during the Ice Age, especially the earlier part when the winters were mild, the summers cool, and the precipitation was heavy. This would result in thick soil and dense vegetation at many locations. Other conditions caused by the Flood may have greatly accelerated speleothem development. As the Flood water drained, high organic content mud probably would be left over in many areas, especially low areas of the terrain contributing to rapid speleothem growth. Some indication that organic mud could aid in speleothem growth is indicated by the largest columns in Ogle Cave that line up with valleys on the surface.

There were hundreds to thousands of meters of erosion as the continents uplifted out of the water during the Recessional Stage of the Flood. Since temperature increases downward in rock, the cave carbonate after the Flood likely would have been very warm. Since speleothems likely grow proportional to the temperature, rapid growth would be expected from this variable alone. The carbonate would cool slowly and the process of cooling would also aid in cave ventilation. Thus, many Flood and Ice Age variables would result in a very rapid speleothem growth after the Flood.

***Michael Oard** earned his B.S. and M.S. degrees in atmospheric science from the University of Washington. For six years he was a research meteorologist at the University of Washington, and has published several research articles in journals and technical monographs of the American Meteorological Society. Michael retired in 2001 after 30 years of employment by the National Weather Service. Since then, he has been engaged in full time research, writing, and speaking in creation earth science. He has also authored, coauthored, or served as editor of twenty-one creationist books and has published over 200 related articles in the creation science technical literature. He is a member of the Board of Directors of the Creation Research Society. Additional material written by Michael on the Flood and the Ice Age may be found at his website <http://michael.oards.net/>

Along with our meeting being in person this month it will also be live-streamed to our DSA YouTube channel.

- Connect to watch from either:
- 1) www.designsciencenw.org/livestream
 - 2) a link on the DSA Homepage at www.designsciencenw.org



Volunteers are needed at the Mount St. Helens Creation Center!

No experience is needed and it is an easy drive along I-5 to exit 49 at Castle Rock, WA. Greet visitors and serve as a **Volunteer Docent** when Director Pat Roy is away leading an excursion to the mountain. For information call and leave a message at **360-274-5737** or write info@mshcreationcenter.org

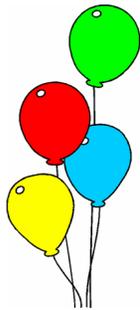
Creation Encounter is planning a **Forest Ecology** field trip along the Salmon River on Tuesday, June 22. For details and to register see www.creationencounter.com/tours
Also, remember that special group tours *can* be arranged.



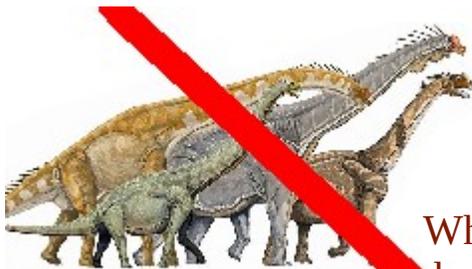
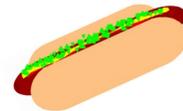
State Fair Creation Booth

What is it like reaching people with the truth of Christ their Creator at the Oregon State Fair?
A video from four summers ago is online at:
<https://www.youtube.com/watch?v=dopztdQogM>

Or, go to Youtube and search for
“Design Science Association Booth”



Volunteers are needed Aug. 26 - Sept. 6 at the State Fair in Salem. Extensive scientific knowledge is **NOT** needed! Booth volunteers do not argue or debate visitors at the fair, but simply offer free creation materials that build and edify the body of Christ and glorify Him as Creator of the heavens and earth. To sign up, call (not text) Ray Thompson at 503-704-2880.



Natural Selection Cannot Explain the Origin of Life

While Charles Darwin’s *On the Origin of Species* has been described as “a grand narrative—a story of origins that would change the world”, ironically his book very pointedly avoided the question of the **origin of life itself**.

This ought not be surprising. Darwin’s theory of the origin of species “by means of natural selection” presupposes self-reproduction, so can’t explain the origin of self-reproduction.

Unfortunately, many proponents of evolution seem unaware of that. They don’t acknowledge that **natural selection requires pre-existing life**.

Read the full article at <https://creation.com/ns-origin-of-life>

*Homeschool Outdoor School!

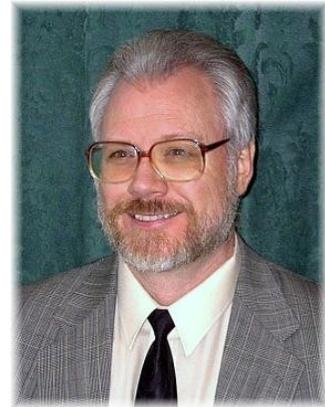


Our 31st Year - August 16-20, 2021
(Overnight Monday - Friday)
Cispus Learning Center - Randle, WA (For ages 9-16)
Kids Need Camp!!!

Outdoor learning sessions vary from year to year. But past classes have included fire building, outdoor cooking, compass course, survival and first aid. Also, we have activities such as fishing, archery, canoeing, volleyball. **Accommodations** are in cabins. **Meals** are prepared for us. (Please let us know your dietary needs.)

Day classes and recreation events vary each year and are partially dependent on parents who share their teaching or coaching gifts with the group. We couldn't do this without the participation of a few parents who help us make this happen. We move camp from year to year to study different ecosystems and geologic areas of our great northwest. We strive to do different things each year because many kids come back. More details will follow about day classes offered this year.

Evening sessions are presented to build faith in the Bible's teaching of the creation account and flood through compelling science presentations. This year our special speaker is **Dr. Thomas Kindell** who is the founder and president of **Reasons for Faith Ministries, Inc.** and for over 35 years has engaged in a traveling teaching ministry lecturing on Biblical apologetics and the scientific case for creation.



We cap off each day with homegrown entertainment around the campfire and a time of worship and devotions. Kids have fun spending the week with new friends, and so do adults.

Make memories with your kids! PARENTS are strongly encouraged (but are not required) to attend as cabin counselors or teachers. We are always in need of Dads as counselors.

We know finances are tight for most, so we keep the costs as low as possible because we know you and your children will love this camp. It is so good for their social interaction with other homeschoolers!

\$225 for Students, \$20 early bird discount if registered with \$50 deposit by May 31st or \$10 discount if registered by June 30th, \$165 for Counselors. Deadline for registration July 31st.

Website: www.homeschooloutdoorschool.com **to apply**

e-mail: dbnett10@gmail.com **with any questions**

Like us on Facebook "HomeSchool Science Camp"

*Must have home-schooled the 20/2021 school year to apply for this year's camp.

An Association for Good Science

Meeting the Third Saturday of Each Month
at Greater Portland Bible Church: 2374 SW Vermont St., Portland, OR 97219
Discount creation book & DVD sales table at every meeting

Website: www.DesignScienceNW.org Email: mailto:DesignScienceAssociation@gmail.com

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