

Michiana Gem & Mineral Society  
Jason Hefner, Editor  
229 East State St  
Etna Green, IN 46524



Nov-Dec 2017

Volume 57 Number 7

*Tis the  
Season of Giving*

**THE  
ROCKFINDER**

**We're on the Web! See us at: [www.MichianaGMS.org](http://www.MichianaGMS.org)**

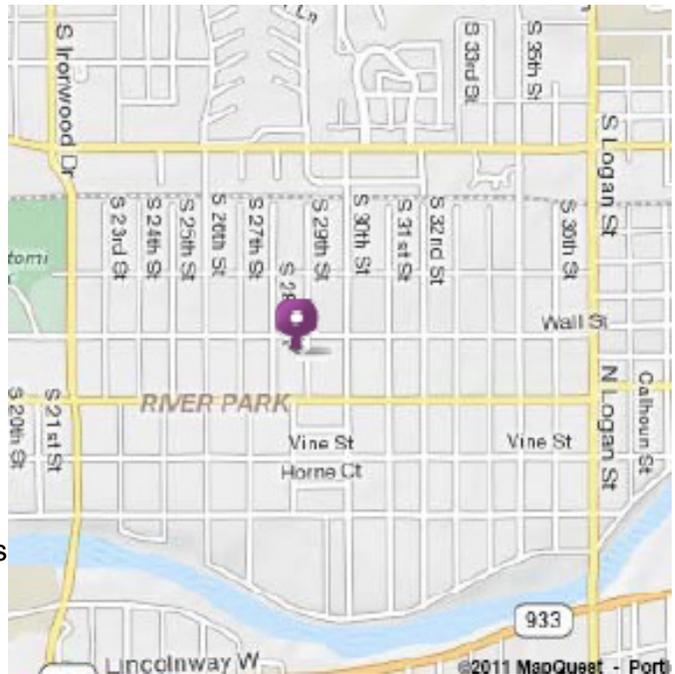
The purpose of the Michiana Gem & Mineral Society is to promote the study and enjoyment of the earth sciences and the lapidary arts, and to share lapidary knowledge and techniques. General meetings are usually held the fourth Sunday of each month at 2:00 p.m. at,

Our Redeemer Lutheran Church  
805 S. 29th St.,  
South Bend, IN.  
Please see the map to the right.

Doors usually open at 1:30 for meet & greet time.

Regular meeting exceptions include May (third Sunday), July (Club Picnic), August (Club Show) and the November/December meeting and Christmas party.

Board meetings are held before the monthly meetings. The annual club show is in late August.



**DUES**

Yearly Membership Dues are payable by December 15th of each year. Please choose type of membership below.

- Individual \$15.00     Family \$20.00
- Junior \$1.00         Subscriber \$7.50

Please indicate areas of special interest.

- General Geology     Gems & Minerals
- Fossils               Micro mounts
- Crystals              Field Trips
- Cabochons           Faceting
- Carving               Beads
- Jewelry Making

Name(s) \_\_\_\_\_  
 Street \_\_\_\_\_  
 City, ST, Zip \_\_\_\_\_  
 Phone(s) \_\_\_\_\_  
 Email \_\_\_\_\_

Please send your dues and the bottom half of this form to:



Please read and sign this section

With my signature I hereby release the Michiana Gem and Mineral Society, Inc., and its individual members and the owners of any premises upon which I enter under permit granted to the society, absolutely free of any liability whatsoever, to my person or property, and further I will respect the equipment and property of the aforesaid owners.

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 Signed \_\_\_\_\_ Date \_\_\_\_\_

Family Information:

Name: \_\_\_\_\_ Birthday: \_\_\_\_\_  
 Name: \_\_\_\_\_ Birthday: \_\_\_\_\_  
 Name: \_\_\_\_\_ Birthday: \_\_\_\_\_  
 Name: \_\_\_\_\_ Birthday: \_\_\_\_\_  
 Name: \_\_\_\_\_ Birthday: \_\_\_\_\_

Michiana Gem & Mineral Society  
 c/o Nancy Foreman  
 58456 Kimberly Ct.  
 South Bend, IN 46619

# THE ROCKFINDER

Volume 57 Number 7  
Nov – Dec 2017

The purpose of the Michiana Gem & Mineral Society is to promote the study and enjoyment of the earth sciences and the lapidary arts, and to share lapidary knowledge and techniques.

Michiana Gem and Mineral Society [www.MichianaGMS.org](http://www.MichianaGMS.org) is a not-for-profit organization affiliated with the Midwest Federation of Mineralogical Societies <http://www.amfed.org/mwfi/> and with the American Federation of Mineralogical Societies [www.amfed.org](http://www.amfed.org)

The *Rockfinder* is published monthly except July and August.

Please note that all items for a given issue of the *Rockfinder* are due to the **Editor** no later than the **5<sup>th</sup>** day of the previous month. This means that the due date for the March Issue will be February 5<sup>th</sup>. Advance items are appreciated. Material may be e-mailed to [hefner\\_family@hotmail.com](mailto:hefner_family@hotmail.com) or submitted via the U.S. Mail.

Editor:  
Jason Hefner  
229 East State St  
Etna Green, IN 46524

Permission is hereby granted to reprint any original *Rockfinder* articles as long as recognition is given along with the reprint.

REMEMBER – Items in The Rockfinder that are **BLUE & UNDERLINED** are links to the internet or email addresses. Just click on them for more information.



## MGMS Christmas party

by Jason Hefner, Editor

Our next meeting is on December 3, 2017. We will vote on the slate of club officer for 2018. The slate currently stands at Bill Foreman – president, Randy Hill – vice president, Secretary – Racheal Sutton, Treasurer – Diane Gram, and Liaison – Bob Bell. There will be a brief time to discuss the slate and accept further nominations, if presented. We need to have a majority of members present to cast a vote for the slate of officers so plan on being there.

Please contact Kathy Miller at 574-291-0332 or [kanbrock@aol.com](mailto:kanbrock@aol.com) if you plan on attending but have yet to sign up.

The club will be collecting non-perishable food items and deliver them to St. Vincent de Paul. Please donate.



## Up & Coming

**Next Meeting: December 3, 2017.**

Doors open at 12:30. Meeting starts at 1:00.

**Place:**

Our Redeemer Lutheran Church  
(29<sup>th</sup> & Wall)  
South Bend, IN. (This is in River Park)

**Program:**

Christmas Party

**Host & Hostesses:**

Bring a dish to pass

## Board of Directors

President: Bill Foreman  
574-233-9178

Vice-President: Randy Hill  
269-465-5814

Secretary Rachel Sutton

Treasurer: Diane Gram  
574-588-2665

Liaison: Bob Bell  
574-233-7352

## Committee Chairs

Displays: Mike Skoczylas  
574-251-0255

Editor: Jason Hefner  
574-858-9837

Educational: Jesse Zeiger  
574-259-5944

Facebook: Danielle Wilborn  
574-344-3385

Field Trips: John Davis  
574-232-8823

Historian: Jim Daly

Hospitality:  
Linda Miller 574-291-5027  
Marsha Miller 574-498-6513

Juniors: Trista McIntosh  
574-780-1162

Librarian: Mel Glick

Membership: Nancy Foreman  
574-233-9178

Programs: Kathy Miller (Interim)  
574-291-0332

Publicity: Josh Klosinski

Safety: Julie Wieger 574-291-2597  
Jennifer Hefner 574-858-9837

Show Chair:, John Davis 574-232-8823

Sunshine: Annette Freel 574-293-8193,  
Sherry Kobie 574-522-0189

Webmaster: Joe Perry 574-295-9050

# September 2017 Meeting Minutes

by Racheal Sutton , secretary

**Members in attendance** / Adults 55 New Members 1  
Children 8 Guests 7.

**Call to Order:** President Bill Foreman

Pledge of Allegiance

Welcome

**Secretary report:** Rachel Sutton / Motion made by Jesse Zeiger and seconded by Diane Graham to accept the minutes.

**Treasurer's report:** Linda Cioch - Filed for Audit, Motion made by Diane Graham and seconded by Jason Hefner to accept the treasurers report.

**Liaison report:** Bob Bell announced Osh Kosh and Bellville shows.

**Parliamentarian:** No Report/ Bob Miller.

Midwest Federation / Bob Miller.

American Federation / Bob Miller – Good shows.

**American Lands Access:** Tom Noe / No Report Randy Hill announced that ND is finding more fossils than they can handle and looking for volunteers to work with them.

## Committee Reports

**Displays:** Covered by John Davis acknowledged the following: Show photos, Trilobites, Petrified wood, Geodes, Ivory, Radium, TX Fossils, and much more. Please continue to share your unique specimens.

**Editor:** Jason Hefner / Rock Finder Issue was posted. It has placed #5 in the country. Please submit articles.

**Education:** Jesse Zeiger / Invitation to visit Edison School's Display. Nancy Foreman announced classroom educators are needed

**Field Trips:** John Davis / Keokuk Trip is full and good to go. Hoping for good weather.

**Historian:** / Jim Daly / Putting history in place. Sherry Russell gave her husband's plaques to MG&MS.

**Hospitality:** Linda Miller/ Thank you to all members bringing food.

Continued on Page 3

## September Minutes continued from previous page.

**Juniors:** Trista McIntosh / As covered by Bill Foreman / Seeking a volunteer to lead this.

**Librarian:** Mel Glick / Library is open for business. Overdue books are being returned. Please return any overdue items.

**Membership:** Nancy Foreman / Membership has been updated. See the directory online and check for accuracy. If you do not have a membership card, see Nancy.

**Programs:** / Kathy Miller / No programs for next month.

**Publicity:** Josh Klosinski / Got all P/R out on time.

**Safety:** Jennifer Hefner RN and Dr. Julie Wieger / No Report

**Show Chair:** John Davis & Joe Perry / The next show will be August 17-19, 2018. It is always on the 3<sup>rd</sup> W/E. Next year wire wrapping class will be offered. Lots of great comments. A bag of merchandise was left at the show. Concerns were shared, by Bill Crull, regarding an error on timing when the Fairground team unlocked the doors ahead of schedule creating a gap in security. John Davis reported this had been addressed.

**Social Media, Facebook:** As covered by Bill Foreman – Let's use our social media. Share, post, and connect.

**Sunshine:** - Annette Freel / Sherry Kobie / Sympathy Cards: March -Patti Enos on Ed's passing; April, Jim G. on his brother's passing; June, Sister Jeanne, John and Mary Davis' grandchild. Thinking of You Cards: August, Yvonne Church, Ed Miller, Marie and Bill Crull. Get Well Cards: August, Marcia Jacobs.

**Webmaster:** Joe Perry / No Report / Please visit the website. Membership update. Please contact Nancy Foreman for any changes. <http://www.MichianaGMS.org>

### Old Business

**Recognition:** For work connected to student scholarships, Bob and Kathy Miller received a recognition which they passed MG&MS for the Archives.

**Club t-shirts:** Please contact Bill Foreman on interest, number of shirts and sizes.

### New Business

**Resignation:** John Davis announced he is resigning both positions after this year, and he requested that any interested parties be nominated. John is willing to mentor and advise the next chair. He recommended Joshua Klosinski consider the Show Chair.

**Adjournment** – Motion made by Father Larry Calhoun, and seconded by Marie Crull

**Program:** The next formal gathering will be the Picnic

### Geode Cracking on October 8, 2017

John Davis's Home.

### Next Meeting October 22, 2017 2:00 pm

## American Federation of Mineralogical Societies News

### **A Word from the President** by Sandy Fuller, President

excerpted from [AFMS Newsletter Volume 71, Number 2 – Dec. 2017 - Jan 2018](#)

As a child I grew up often hearing the “Good, Better, Best” adage to encourage me to pursue excellence. As a rockhound, this adage holds special meaning when I look at the AFMS awards programs.

Across the nation, groups of people have come together to study, learn, collect, exchange and support each other around our common love of geology, with a special emphasis on rocks, minerals and fossils. As a group we are able to help each other and grow together into a club that others want to join and enjoy. This is good!

Our club quickly learns the local resources and identifies opportunities to reach out beyond the local community. A successful club starts working with similar clubs from nearby communities, across the state and eventually across the region. Our regional federations provide a forum to help local clubs access resources and strengthen their services. This is even better than the lone club struggling to meet the varied interests of its members.

[Read the rest here](#)

### **President’s message** by David Root, President excerpted from [MWF](#) [www.amfed.org](http://www.amfed.org)

[News December 2017 - Issue No. 567](#)

Well, they tell me I can’t just send a tweet, so here goes. Another year is coming to an end. It doesn’t seem possible, since it just started. I assume all of you are working on your letters to Santa, full of crystals and geodes and maybe a nice Montana Dry Head agate.

You know what other paperwork needs to be worked on this time of year? Your MWF dues, your insurance forms and your Club’s events for the upcoming year are due January 15th, so we can get the MWF calendars, directories and the website updated and, most importantly, get the insurance all set and the information about your Club’s show and events published. It’s not a bad idea if your event is in the first part of the year to get your information and dues in early.

I would like to extend thanks on behalf of the MWF to the Ozark Mountain Gem and Mineral Club in Springfield, Missouri for hosting our fall meeting. They were gracious hosts, provided us with a nice room for our meetings, and made us feel very welcome. They have a great facility for their show and the show was most interesting. I always like going to shows that are quite geographically removed from where I live. Not only do you see different dealers but also material you don’t normally see. I was particularly impressed with the kids’ area; at around noon on Saturday it was a beehive of activity. Looks like they’re doing something right.

[Read the rest here](#)



#### Purpose of the AFMS

To promote popular interest and education in the various Earth Sciences, and in particular the subjects of Geology, Mineralogy, Paleontology, Lapidary and other related subjects, and to sponsor and provide means of coordinating the work and efforts of all persons and groups interested therein; to sponsor and encourage the formation and international development of Societies and Regional Federations and by and through such means to strive toward greater international good will and fellowship.



#### Purpose of the MWF

To promote interest and education in geology, mineralogy, paleontology, archaeology and lapidary, and to sponsor and provide means of coordinating the work and efforts of groups interested in these fields.

[www.amfed.org/mwf](http://www.amfed.org/mwf)

# October 2017 Meeting Minutes

by Racheal Sutton , secretary

**Members in attendance** / Adults 40 New Members 1 Children 3 Guests 2.

**Call to Order:** President Bill Foreman

Pledge of Allegiance: **Bob Miller**

Welcome

**Secretary report:** Rachel Sutton / Motion made to accept minutes with corrections by Jesse Zeiger and seconded by June Hill to accept the minutes.

**Treasurer's report:** N/R.

**Liaison report:** Bob Bell N/R.

**Parliamentarian:** No Report/ Bob Miller.

Midwest Federation / Bob Miller N/R.

American Federation / Bob Miller – amfed.org is a great website for info on places still open for rock hunting.

**American Lands Access:** Tom Noe / Please consider joining the ALA to help keep land access available.

## Committee Reports

**Displays:** Covered by John Jaworski acknowledged the following: Borite, Howlite, Gypsum, Pink Gypsum, Fossils, Mastodon tooth, Fairy Rock Garden, Glass Beads, Geodes, Purple Chalcedony and much more. Thank you to all who shared these interesting specimens, and please continue to share.

**Editor:** Jason Hefner /per Bill Foreman, Rock Finder Issue was posted. Please submit articles.

**Education:** Jesse Zeiger / N/R

**Field Trips:** Kathy Miller/Keokuk was good fun.

**Historian:** / Jim Daly / N/R

**Hospitality:** Linda Miller/ Thank you to all members bringing food: Sherrill Glick, Annette Freel, Sherry Kobie, Diane Kendig, Allen & Betty Gearhart, Paul & Saya Tepavich, Dian Gonsorek, Diane Graham.



In case you haven't heard there is a volcano erupting in Bali. Click the link below for more info

[Bali's fiery volcano could end up temporarily cooling the entire planet - VOX 11/29/17](#)

Continued next page

## October minutes continued from previous page.

**Juniors:** As covered by Bill Foreman / Seeking a volunteer to lead this.

**Librarian:** As Covered by Bill Foreman / Seeking a volunteer to lead this.

**Membership:** Nancy Foreman / Time to renew membership for 2018.

**Programs:** / Kathy Miller / Diane Graham on Glass Beading.

**Publicity:** Josh Klosinski / Got all P/R out on time.

**Safety:** Jennifer Hefner RN and Dr. Julie Wieger / No Report

**Show Chair:** N/R

**Social Media, Facebook:** N/R.

**Sunshine:** - Annette Freel / Sherry Kobie / Sympathy Card: Pam Rubenstein for her Mother's passing. Thank You Card: John and Mary Davis for hosting the Geode Cracking. Thinking of You Card: Marcia Jacobs.

**Webmaster:** Joe Perry / N/R

### Old Business

**Purchase Protocol:** Bill Foreman/ If you expect to be reimbursed, please submit a request to purchase to the board and wait for approval before purchasing anything for the club. If you purchase without prior approval, consider it a donation. Nancy Foreman requested to purchase name tag holders. Bill told her to submit a written request.

**Science Alive:** Bill Foreman/ This is our next big focus in the spring. Please bring any rock samples you are willing to donate for kids, and please come to the January meeting to help prepare the bags. This is a great event for newer members to experience.

### New Business

**Nominations for office:** Bill Foreman/ Discussed Josh Klosinski as the potential show chair, and the possibility of co-chairs. By discussion, it was determined that to chair, one should be a member, and that we will have a team to support the chair. Bill also noted there were no other nominations and requested the current officers be considered as the slate. Jessie Zieger motion to accept, second by Patty Enos.

### Good of the Order

**Door Prizes:** Bill Foreman / Please donate any items you have that might be good door prizes. There were no door prizes today.

**Informal Gathering:** Diane Graham announced she is coordinating a meeting on Sunday, November 12, at the Main Branch of the St. Joseph County Library. Meet in the Lobby at 1:00. Bring projects. The idea is to work on our skills and crafts together.

Continued next page

## October minutes continued from previous page.

**Perky Boxes for Sale:** James Daly announced he has many Perky Boxes and would like to sell them.

**Kudos:** Tom Noe praised Joe Perry for maintaining an informative website. Having visited many other websites for clubs in much bigger cities, he was happy to note that ours lists meetings, and all pertinent club info.

**Adjournment** – Motion to adjourn made by June Hill, and seconded by Kathy Miller.

**Program: The next formal gathering will be the Party**

### **Last Meeting of the year December 3, 2017**

Short meeting, installation of officers for 2018, pot luck lunch. Please bring a dish.

Contact Kathy Miller at 574-291-0332 or [kanbrock@aol.com](mailto:kanbrock@aol.com) if you want to attend, but haven't signed up yet.

As in the past, we will also take donations of nonperishable food items to put under the Christmas tree at the party. These food items are then delivered to St. Vincent DePaul as our club Christmas contribution.

**Note: Christmas party starts at 1:00 PM EST (doors open at 12:30) in the same place as our meetings** – Our Redeemer Fellowship Hall. Please bring dish to pass for pot luck lunch & your own plates & utensils.

**Next Regular Monthly Meeting: January 21 2018 at 2:00 pm**

## **Yellowstone Volcano's Twin Super Eruptions: The Caldera That Altered Global Climate** excerpted from Forbes.com 10/27/17. Full article can be read [here](#)

Beneath Yellowstone lies an active volcano with the ability to change the global climate for years and trigger an extinction event. Recent research reveals the most recent Yellowstone supervolcano (also known as Yellowstone Caldera) eruption was, actually a twin-eruption.

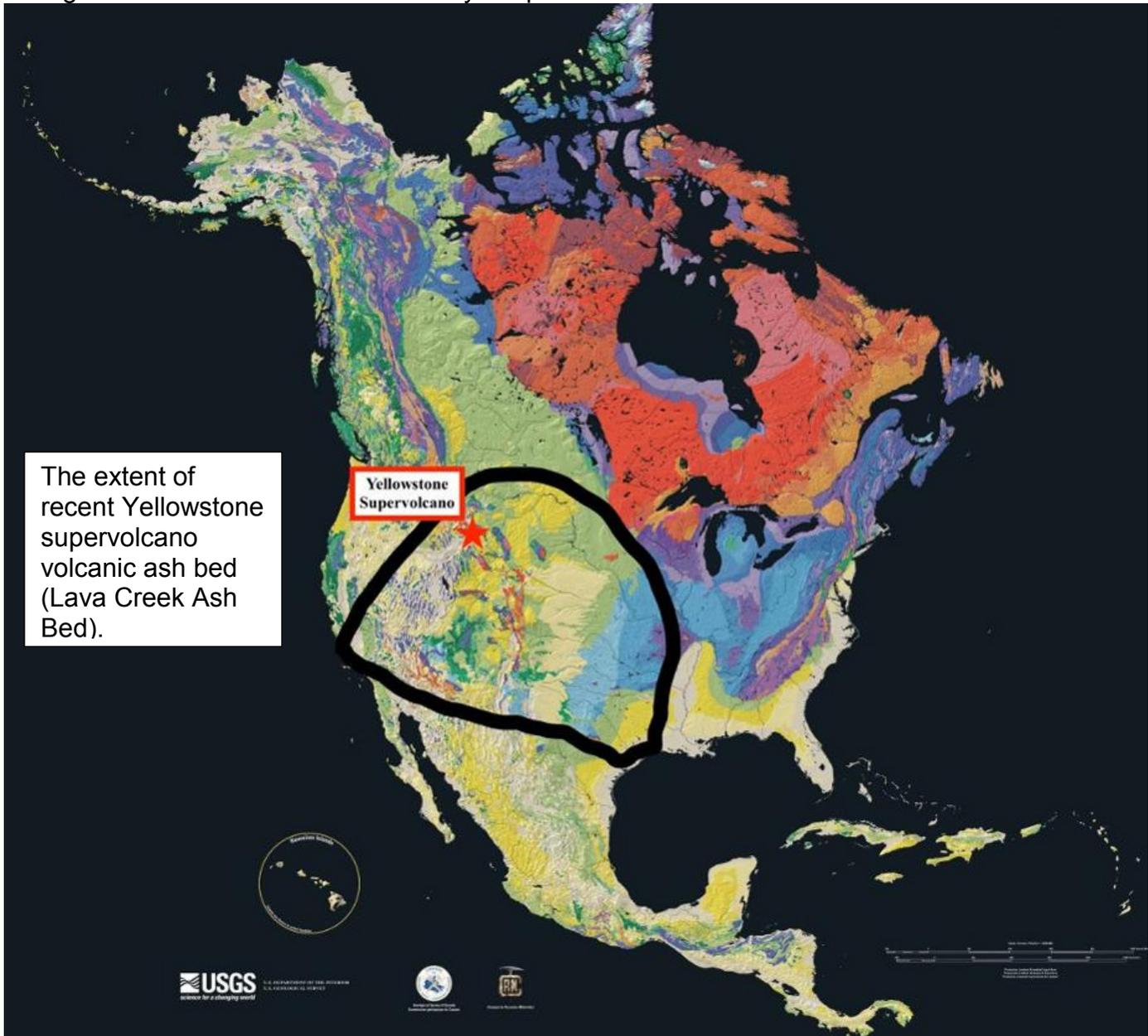
But first, a bit about Yellowstone and why people are worried about the hidden volcano beneath it. Yellowstone National Park was established by the U.S. Congress in 1872 and signed into law by President Ulysses S. Grant. The national park covers parts of Wyoming, Montana, and Idaho and is one of the most frequently visited parks in the United States. That is due to its immense beauty, wildlife, and geothermal geysers such as Old Faithful.

Beneath the Yellowstone National Park is an active volcanic caldera that measures 34 miles by 45 miles. There is ongoing debate as to the initial source of Yellowstone's supervolcano, especially since its appearance was geologically rapid and young in age. It appears to be a hotspot, similar to the Hawaiian Islands, but on continental crust as opposed to oceanic crust. The hotspot may be due to local lithospheric interactions with an upper mantle convection or a result of a deep mantle plume that has been upwelling for millions of years.

## Yellowstone Continued from Previous page

The most recent volcanic eruption 630,000 years ago produced a massive volcanic ash bed, called the Lava Creek Tuff, which covered much of western central United States. The volcanic ash is measured in rock layers around the region highlighted below.

The maximum thickness the volcanic ash reaches is up to 660 feet thick. Given the ash has since compacted due to the weight of overlying sediment, the ash bed deposited would have been thick enough to cover most of our modern skyscrapers.



As you can imagine, this was a catastrophic release of ash into the atmosphere and blanketed a large portion of the United States and had a significant impact on both climate and life. During one of these eruptions, there was an immediate deadly impact of widespread ash fallout. However, there was also a more prolonged deadly impact of reduced ability for plants to photosynthesize and animals to respire under a sky filled with ash and harmful gases.