

MARYANNINGCLUB@
GMAIL.COM

SPECIAL POINTS OF INTEREST:

- **GEMS Day** is on Saturday February, 20th
- **New Discoveries** include two new rodent fossils
- **Fill in the information sheet** to win a prize at the **Mary Anning Booth on GEMS day**
- **Check out the March events** going on at the **Houston Museum of Natural Science**

INSIDE THIS ISSUE:

New Discoveries	2
Mary Anning Club News	2
F.A.Qs	2
Name that Species	3
Name that Species (Con.)	3
Name that Species Fill out Chart	3
HMNS Updates	4

Mary Anning Club

VOLUME 2, ISSUE 1

JANUARY 2010

GEMS

What: A MOST EXCELLENT BOOTH WITH FUN INFORMATION ABOUT PALEO.

With: GEMS (Girls Exploring Math and Science), A COOPERATIVE EFFORT BETWEEN HMNS (Houston Museum of Natural Science) AND GSSJC (Girl Scouts of San Jacinto Council)

When: SATURDAY, FEBRUARY 20th
9 a.m.—NOON

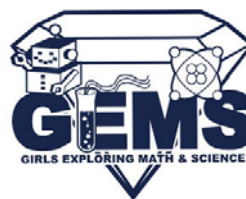
Who: ANYONE AND EVERYONE

Where: HOUSTON MUSEUM OF
NATURAL SCIENCE MAIN HALL

Cost: FREE TO ANYONE WITH A TICKET TO ANY EVENT (IMAX, FABERGE, SPIRITS AND HEADHUNTERS, PLANETARIUM, OR BUTTERFLY CENTER)

Why: On GEMS day, I will have a Mary Anning booth set up for the visitors to come and ask about paleontology. The Mary Anning booth is part of my Silver Award Project for Girl Scouts. (The Silver Award is the second highest award in the Girl Scout program). It is my goal to introduce and encourage the study of paleontology and its many sciences (biology, engineering, anthropology, geology, mineralogy, chemistry, mathematics, zoology, and more!)

AND... you get to meet ME!



My name is Myria, Myriapod, Myriasaurus, or any other name David Temple calls me, I am 14 years old and I currently am a junior volunteer at the Houston Museum of Natural Science, I decided to assemble a club where girls or anybody interested in paleontology, could learn more about women in paleontology. I will send out a seasonal newsletter with these things included: an interview with a paleontologist, upcoming Mu-

seum events, newly discovered fossils of finds, and suggestions on paleontology related books. The Mary Anning Club was actually Dr. Robert Bakker's idea, which he had mentioned to me. So I decided to bring this idea to a real club for girls. And anyone else interested in paleontology.



My first Mary Anning booth for DinoDays / Breakfast with Bakker in November 2009. Joshua, a new member of the club, came behind for a picture.

New Discoveries



Above is an image of the raptor tail vertebra found by Gabrielle Block in November of 2009

9 Year Old Girl Discovers Raptor Tail

Vertebra

At the Maryland Dinosaur Park Gabrielle Block, a nine year old fourth grader, discovered a bone while digging through dirt left by a recent rain storm with her family. The bone happened to turn out to be a tail vertebra of an animal of the raptor species which was said to have had existed around 110 M.Y.A (Million Years Ago). To find out more

information about this discovery by Gabrielle Block, look at this website,

<http://news.discovery.com/animals/the-9-year-old-girl-finds-bone-at-maryland-dinosaur-park.htm>

Two New Fossil Rodents Discovered in Salt Lake City, Utah

Two eight million year old fossil rodent jaws are found complete with all teeth present in Salt

Lake City, Utah. The jaw is so small, it could fit on a penny. The prehistoric mice were estimated to be only a few inches in length. One of the rodents is related to the deer mouse found in North America, and the other to the spiny pocket mouse.

Visit this website to find out more about the newly discovered rodents at

<http://www.standard.net/topics/animals/2010/02/03/2-new-fossil-rodents-discovered-utah>

Did you know that Quetzalcoatlus', the largest flying pterosaur's, wingspan stretched an amazing 40 to 45 feet?

To the right is a *diplocaulus* (AKA- "boomer-head") skull, a 270 million year old amphibian that lived before the dinosaurs in the Permian period



Mary Anning Club News

Soon, these newsletters and museum information will be accessible at www.maryanningclub.com

The Mary Anning booth at GEMS will be on February 20th and will provide information on the skulls above and will provide an opportunity to ask questions about Paleontology and Mary Anning. The booth

will be set up on the Grand Hall of the Houston Museum of Natural Science.

Have any questions? Just email me at maryanningclub@gmail.com and I can post your questions on my next newsletter.

Mary Anning and her dog, Tray



F. A. Q. s

How do you know the age of a fossil?

There are a few ways to tell the age of a fossil. One way is to look at a Geological time scale to find out what areas are specific times.

Another way to tell the age is to look at the colors of the layers you are looking in. Also the kind of sediment the fossil was buried in. for an example, a place called Whiskey Bridge up near Collage Station, the sediment has a green looking color and is rich full of brachiopods and gastropods (clams and snails). From the information you have, you can look at a fossil guide and find out that the green layers that the invertebrates are bedded in was the Eocene age which was about 35 million years old.

What do you wear on a dig?

To be prepared on a dig, you need hiking shoes with ankle support (so if you slide off the dirt you won't twist your ankle), you also need a hat with a brim that protects your ears from the sun's heat, long pants are needed so that way you can comfortably sit on dirt. Short and long sleeve shirts are good to wear, but nothing you would mind getting torn, stained, or wrinkled. Sunscreen. Lots and lots of sunscreen. Especially in the summer. When you're out in the sun all day, it's obvious to bring it, but it is also important when it is overcast. Another thing to bring that is highly self recommended is your camera. It's always fun to take pictures of your progress while you're on a dig.

Name the Species at the Mary Anning Booth on GEMS Day

If you can identify the name and meaning of the name of one of these skulls at the Mary Anning Booth on GEMS day, you will win a prize!



Skull #1



Skull #2



Skull #3



Skull #4



Skull #5



Skull #6

**Don't Miss
the Narnia
exhibit at the
Houston
Museum in
Sugarland!
Extended
through April
25th, 2010!**



Skull #7



Skull #8



Skull #10



Skull #12



Skull #13



Skull #9



Skull #11



Skull #14

Write the Name, Meaning, and Time Period for Each of the Skulls Above

Skull #	Name	Meaning	Time Period
1			
2			
3			
4			
5			
6			
7			

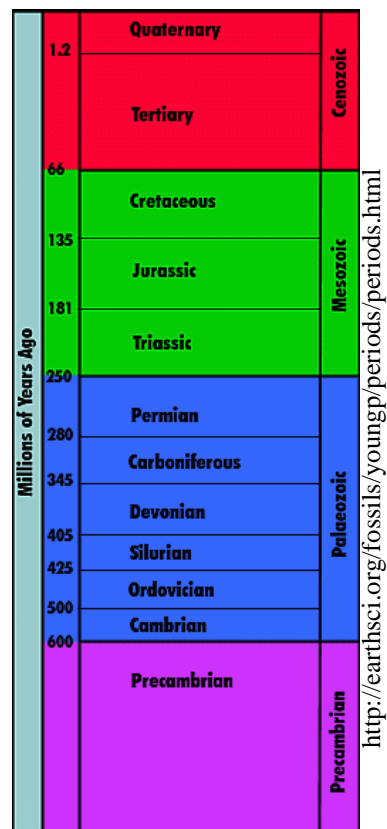
Skull #	Name	Meaning	Time Period
8			
9			
10			
11			
12			
13			
14			

Mary Anning Club

Is there something that you have always wanted to ask a Paleontologist?
Email me and I will find the answer and add it in the next newsletter.

MaryAnningClub@gmail.com

GEOLOGICAL TIME PERIODS



Upcoming Events at HMNS March 2010

Xplorations Summer Camp

Benefactor Registration Begins

Monday, March 1

Shell Educator's Preview

Magic: The Science of Wonder

Tuesday, March 2, 4:00 p.m.

Distinguished Lecture

"Ancient Greek Magical Gemstones"

Tuesday, March 2, 6:30 p.m.

Xplorations Summer Camp

Discover Registration Begins

Thursday, March 4

Behind-the-Scenes Tour

Spirits and Headhunters: Vanishing Worlds of the Amazon

Monday, March 8, 6:00 p.m.

Family Fun Workshop

Eggs-traordinary Faberge

Tuesday, March 9, 5:30 p.m.

Distinguished Lecture

"Pharaonic Magic in Ancient Egypt"

Tuesday, March 9, 6:30 p.m.

Cultural Feast Dinner

Imperial Dining with the Tsars

Tuesday, March 23, 7:00 p.m.

Family Event

Space Night at the Challenger Center

Saturday, March 27, 3:00p.m., 4:00 p.m., and 6:00 p.m.

Exhibition Last Day

Spirits and Headhunters: Vanishing Worlds of the Amazon

Sunday, March 28

Behind-the-Scenes Tour

Faberge: Imperial Jeweler to the Tsars

Monday, March 29, 6:00 p.m.

Check out more awesome events at hmns.org