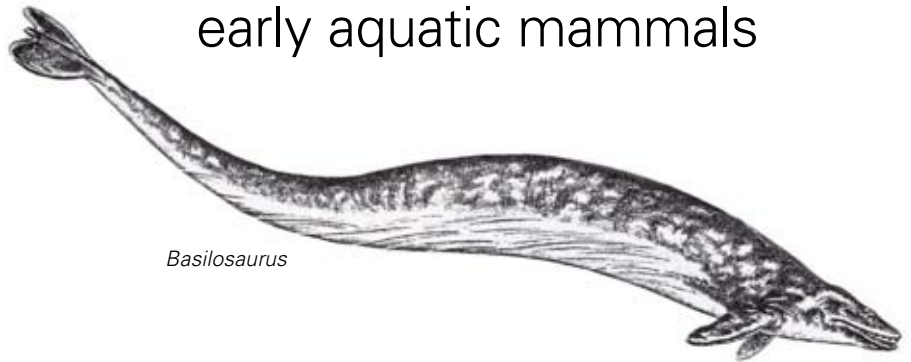


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 MAGS Calendar

Yoke-toothed whales— early aquatic mammals



Basilosaurus

MIKE BALDWIN: Whale-like mammals known as archaeocetes, zeuglodonts or yoke-toothed whales once roamed the waters of the Early Eocene and survived all the way into the Oligocene. The skull and teeth of the oldest known archaeocete whale, found in the Early Eocene rocks of Pakistan, suggest that its ancestors fed upon fish and most likely spent some time out of the water.

By the Middle Eocene, archaeocetes were totally aquatic, as evidenced in the pointed muzzle, elongated body, flipperlike forelegs and the nearly absent, tiny hind legs. The cheek teeth of these archaeocetes had double roots, while the front teeth were pointed, and the nostrils were located at the top of the head, about halfway between the muzzle and the eyes.

Late Eocene deposits near the southern Atlantic coast of North America have provided evidence of the last of the archaeocetes, the *Basilosaurus*, also known as *Zeuglodon* ["yoke tooth"]. *Basilosaurus* reached lengths of 55 to 70 feet, with a short head, short, slim body and a very long tail.

A few small, short-bodied archaeocetes survived into the Oligocene, followed by true whales. These early whales had short, stocky bodies, and their nostrils formed a single blowhole which lay between or even behind the eyes. Some early whales had triangular teeth, similar to those of sharks, even though their bodies resembled porpoises. During the Miocene and later true porpoises, beaked whales, sperm whales and whalebone whales appeared. Porpoises, beaked whales and sperm whales all retained their teeth, while the whalebone whales became toothless and began capturing small

2009-2010 Officers and Board of Directors

President–W.C. McDaniel • 2038 Central Avenue, Memphis, TN
38104 • 901-274-7706 • w.c.mcd@worldnet.att.net

1st VP (Field Trips)–Vacant

2nd VP (Programs)–Paul Sides • 1062 CR 739, Wynne, AR
72396 • 870-208-9586 • walter.sides@msgravel.com

Secretary–Carol Lybanon • 2019 Littlemore Drive, Cordova, TN
38016 • 901-757-2144 • lybanon@earthlink.net

Treasurer–Doris Johnston Jones • 409 Bradford Trail Cove,
Collierville, TN 38017 • 901-832-0437 •
darjohnston@aol.com

Director (Asst Field Trips)–Dan Reed • 4728 Dillon Rd, Walls, MS
38680 • 662-781-9299 • dr4538@comcast.net

Director (Asst Programs)–Sandy Ward • 5119 Whiteway Drive,
Memphis, TN 38117 • 901-684-1819 •
sandypepperspray@comcast.net

Director (Youth)–Alan Schaeffer • 6854 Corsica Drive, Memphis,
TN 38120 • 901-753-8496 • dayday91@aol.com

Director (Asst Youth)–Kimberly Loveland • 3246 Tea Berry Lane,
Bartlett, TN 38134 • 901-380-1886 •
amazeyouu@yahoo.com

Director (Librarian)–Ron Brister • 3059 Old Brownsville Road,
Bartlett, TN 38134 • 901-388-1765 •
ronald.brister@memphistn.gov

Director (Membership)–Neville Mayfield • 7782 Bill Knight Ct,
Millington, TN 38053 • 901-872-6761 •
emayfiel@localnet.com

Director (Historian)–Nannett McDougale Dykes • 106 Maple
Street, Stanton, TN 38069 • 901-412-9357 •
redchesty@yahoo.com

Newsletter Editor–Shelby Hartman • 5116 Whiteway Drive,
Memphis, TN 38117 • 901-626-1920 •
magsnewsletter@comcast.net

Web Coordinator–Mike Baldwin • 367 North Main St, Collierville,
TN 38017 • 901-853-3603 • mbaldwin05@gmail.com

Show Chairman–Vacant

MAGS Rockhound News is published monthly by and for the members of the Memphis Archaeological and Geological Society. Please send your comments and articles to Shelby Hartman, 5116 Whiteway Dr, Memphis, TN 38117 or email magsnewsletter@comcast.net. ©2009.



President's Corner WC McDANIEL

• Board openings- First Vice President- Field trips and Show Chair for 2010. Both of these positions are important functions for the club and I hope you recognize and appreciate that by helping out by agreeing to serve your club.

- June membership meeting- It was a dark and stormy night on June 12. However about 30-40 MAGS members showed up with their flashlights so we had a meeting. Not as long and without refreshments (several were brought).
- Sad News- Bill Scheffer died on Thursday, June 11. Bill was a MAGS life member and served many positions including President and Treasurer. For many years he taught faceting at Wild Acres. He also was President of the SFMS in 1991.
- Fireworks on the 4th- As you watch the exploding fireworks on July 4 remember they are brought to by Minerals from the Earth Wide Open such as sulfur, copper, hematite, barium, sodium and mixtures of many more.
- July membership meeting- An auction of material from the Theobald collection will take place
- Exhibit- the MAGS mineral exhibit "Minerals from the Earth Wide Open" is on display from June 13th to September 30 at the Union County Historical Museum in New Albany. This is the first time the exhibit has been displayed in a museum type environment. It is worth the drive (about 1 ½ hours) to see the display and museum. Next door is the birthplace of William Faulkner

WC McDaniel

Comments or Questions Regarding MAGS

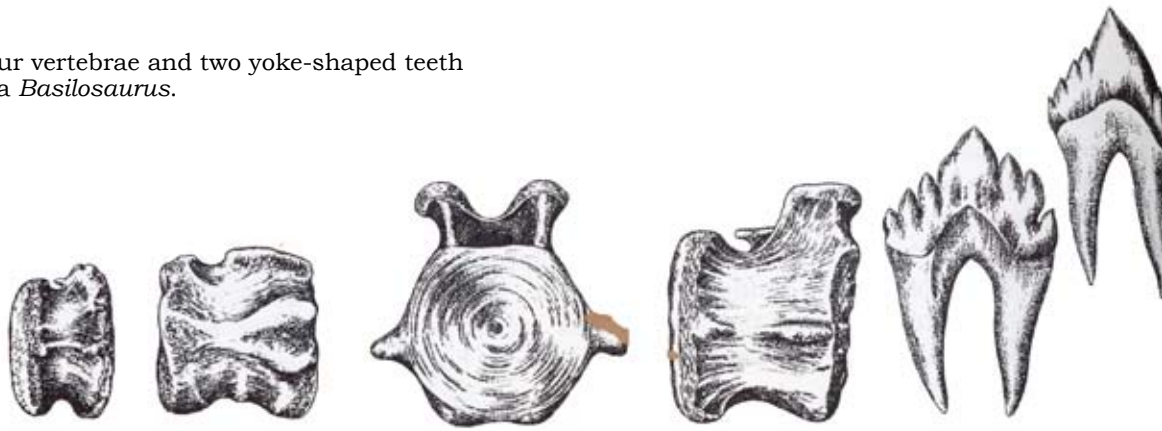
Contact: W.C. McDaniel, MAGS President
2038 Central Avenue, Memphis, TN 38104
w.c.mcd@worldnet.att.net
(901) 274-7706

Or visit MAGS at www.memphisgeology.org

Whales—early aquatic mammalscontinued from page 1

animals in plates of “whalebone” hanging down from the roof of the mouth. Whalebone whales have become the largest of all living animals. The modern blue whale reaches lengths of 98 feet and weights of almost 124 tons. No dinosaur is known for sure to have been as large as this.

Four vertebrae and two yoke-shaped teeth of a *Basilosaurus*.



Source: Patricia Vickers Rich, Thomas Hewitt Rich, Mildred Adams Fenton and Carroll Lane Fenton; *The Fossil Book—A Record of Prehistoric Life*; Dover Publications, Inc., Mineola, New York; 1996; pp 563-64.

Announcements

Upcoming events

WC McDANIEL:

Sunday, July 19 – Turkey Creek near Starkville, Ms. Creek collecting for marascite/pyrite and occasional Mosasaur bones. Check out mosasaur at <http://en.wikipedia.org/wiki/Mosasaur>

Saturday, August 8 – Volunteer Day at Chucalissa Indian Village, including a program for the Juniors. Stay tuned for details.

Saturday, August 22 – Trip to mineral exhibit at museum in New Albany, Ms. Also, a site visit to the Blue Springs Fossil Site. It will probably be hot so this could be a quick look. You decide on the amount of time you stay.

July Adult Program

PAUL SIDES: The MAGS program for July will be **Fossil Whales** presented by David Dockery, geologist with the Mississippi Department of Environmental Quality.

Mark your calendar and make plans to attend the MAGS July Membership Meeting, 7:30pm, Friday, June 10 at Shady Grove Presbyterian Church. Bring a display of your favorite archaeo-, paleo-, or geological treasures. Bring your favorite finger food or dessert to share after the meeting, and bring a friend [or two].

July Youth Program

MIKE BALDWIN: The MAGS Youth program for July 10 will be presented by Mike and Sherri Baldwin. They will be helping you with several geology experiments, which were originally scheduled for the June meeting, but were not performed due to a power outage at the meeting place. One experiment is called **Model of a Fault**. We will build a working model of a portion of the Earth's crust to simulate earthquakes. Building and using this model will allow us to learn some things about the cause and effect of earthquakes—although this model will obviously be on a much smaller scale than the Earth. Another experiment will be **Drilling for Oreos**. You will have to attend the youth meeting to find out what that's all about. So, while the adults are learning about whale fossils, you will be conducting science experiments. Cool!

iceAgeRocks website and blog launched

MAGS member and professional geologist, Alan Parks, hosts a new website and blog called iceAgeRocks.com. Check it out at <http://www.iceagerocks.com/>

The goals of iceAgeRocks are to:

- [01] Become a resource for scientific information about the geology of the Upland Complex found in West Tennessee, Northwest Mississippi, and Crowley's Ridge Arkansas.
- [02] Illustrate the wide variety of minerals and fossils common to the Upland Complex and those found in the modern Mississippi River and its tributaries nearby.
- [03] Offer for sale or trade authentic and high quality regionally collected mineral and fossil specimens and lapidary materials (on a limited basis).

The website is divided into three principle parts: Minerals, Fossils, and Explore!

Minerals may include: Agate, Jasper, Purple Quartzite, Mozarkite, Chalcedony, and varieties of Quartz.

Fossils include either Cenozoic or Paleozoic varieties. The majority are Paleozoic (Mississippian-Silurian) including: corals, brachiopods, trilobites, bryozoans, and crinoids. Cenozoic fossils weathered from the Upland Complex are mostly Pliocene-Pleistocene age and include mammals such as the great mastodon, which several have been found in the Memphis vicinity. The Upland Complex rests on Eocene formations of the Tertiary and some exposures can yield tremendous fauna including marine fossils such as shark teeth and whale bones.

The Explore! section describes information and links about the geology of this region. It will also have illustrations and describe locations where materials are found.



Minerals & Fossils of an Ancient Mississippi River®

Scenes from Black Rock, Arkansas

PICTURES BY DAN REED



National Forest Mine & Cave Closures in Southeast U.S.

Although many people seem to hate bats or at least are afraid of them, it turns out that bats are very helpful to people. Many bats can eat their weight in insects in just one night! Think of that when you are outside being bothered by mosquitoes and other insects. Bats also eat insects that are plant pathogens—one estimate says that millions of dollars worth of crops are saved from insect damage each year by bats that eat plant pathogenic insects. A single bat may eat up to 10,000 moths and 180,000 mosquito-sized insects in a single year! However, bats may now be in danger.

Most caves and mines on National Forest property in the southeastern United States are being closed for one year in an effort to protect bats, according to Regional Forester Liz Agpaoa.

“We are working to stop the uncontrolled spread of White Nose Syndrome (WNS) among bat species,” she said. “The closures will allow scientists and land managers time to work together and study the fungus, learn how it spreads and how to best address it.”

Under the 12-month closure order signed by Agpaoa on May 21, 2009, all caves and abandoned mines on national forest property and units in 13 Southeastern states [KY, VA, NC, SC, TN, AL, GA, FL, MS, AR, LA, OK, and TX] and Puerto Rico will be closed unless posted as open. All uses would be prohibited except organized rescue efforts and other actions specifically authorized by the agency.

Visit <http://www.caves.org/WNS/>

Information provided by John Zentz [SFMS] and the National Speleological Society.

August DMC Field Trip

The Southeast Federation of Mineralogical Societies, Inc
DMC Program of the SFMS Field Trip Committee
An Official Field Trip of The Southern Appalachian Mineral Society (host)

9:00 am, Saturday, August 8, 2009
Thermal City Gold Mine
Union Mills, North Carolina

The Southern Appalachian Mineral Society would like to extend an invitation to fellow DMC clubs to join us in panning for gold at a genuine placer mining site in Rutherford County, NC. Thermal City Gold Mine consists of a one mile section of the Second Broad River and about 80 acres of Placer Gravel Deposits, having one of the seven veins from the mountain supplying it. Panning material is brought from the river by backhoe for you to pan. The gravel is not “enhanced or enriched”. The gold found here is in it’s natural state- right where nature deposited it. Gold is found as flakes and maybe small nuggets. Ample shade, parking, and instruction in panning are always available when needed.

FEE AREA: Fee \$5 to pan all day, \$40 for front-end load

Children: Welcome with Adult Supervision

Pets: Pets allowed on leash

COLLECTING: Gold

BRING: Shovels and pans are furnished or you can bring your own. Other equipment is for rent/purchase.

For additional information on the site, including details about a ‘front-end load’ or overnight stay, contact the mine at: phone: 828-286-3016, Website: <http://www.thermalcitygoldmine.com/>

HISTORY: This is an unsalted site and many people have had success finding gold here. The mine’s aim is to provide an authentic experience. This mine is located on the actual site of the earliest placers of Rutherford County. It opened in 1830 and has produced gold ever since then.

SPECIAL CONDITIONS: Camping facilities with full hook-ups to primitive are available on a first come basis. Call 828-286-3016 for rates. No drugs, alcohol, or firearms are allowed. The grounds are almost level and a short distance from panning to camping and restrooms.

DIRECTIONS AND WHERE TO MEET: We will meet at the site. From Asheville take I-40 east to exit #85 (Marion/Rutherfordton); proceed south on US-221 for about 8 1/2 miles to the Rutherford County line; the entrance to the mine is on the left (look for signs along the way). Travel time should be about one hour from Asheville.

CONTACT: Tim Barton at 828 885-8248

Field trips are open to all members of associated clubs of the DMC program of the SFMS Field Trip Committee and to all members of SFMS member clubs who have provided their membership with SFMS liability insurance. Because of insurance requirements, members of the GENERAL PUBLIC are NOT invited on this or any DMC program field trips!

DMC Program/SFMS Field Trip committee’s purpose: To collect field trip information from it’s member societies; schedule and coordinate field trip dates; disseminate field trip information to all member clubs so that each member society may publish this information as one of their “official” scheduled field trips.

Fossil Whales with Legs

By David T. Dockery III, Mississippi Department of Environmental Quality, Office of Geology

Ever since Dr. Philip Gingerich of the University of Michigan discovered hind legs on the ancient whale *Basilosaurus isis* at a site in the Egyptian desert 95 miles southwest of Cairo, I've been looking to find hind legs on a Mississippi *Basilosaurus*. Gingerich's discovery was reported in the July 12, 1990, edition of the New York Times and the following day was the subject of a joke by Johnny Carson on the Tonight Show. Now the MDEQ Office of Geology in conjunction with the Mississippi Museum of Natural Science is excavating a Mississippi fossil whale with hind legs. This specimen is much like that of a *Georgiacetus* displayed in the Georgia Southern University Museum. We have recovered the whale's right innominate (right pelvis) and most of the left femur (left thigh bone) along with 18 vertebrae.



Right innominate [right pelvis] and left femur [left thigh bone] of the protocetid whale *Georgiacetus* from the Archusa Marl Member of the Chickasawhay River south of Quitman in Clarke County, Mississippi. Picture taken by George Phillips on July 15, 2008.



Side view of mounted specimen of the protocetid whale *Georgiacetus vogtlensis* from the McBean Formation in Georgia as displayed at the Georgia Southern University Museum. Image made available by Debbie Gleason of the Georgia Southern Museum.

Source: Fossil Whales with Legs, David Dockery III, Environmental News, Mississippi Department of Environmental Quality, Page 10, Volume 5, Number 12, December 2008.

Welcome New MAGS Members

Howard & Victoria Bromley
1923 Prestwick Drive
Germantown, TN 38139
hrbmd22@gmail.com
H 901.751.0838 • C 901.857.2852

Shawn Stewart-Pool & Terry Pool
96 Bailey Drive
Olive Branch, MS 38654
spool@scsenv.com
H 662.890.5514 • C 901.619.9158

SAVE THE MONTH!!!

NEVILLE MAYFIELD: Fellow MAGSters, fortune has smiled upon us, and we now have a new, much larger storage area for all the items and materials used in the annual show and other activities.

Moreover, the company providing the new area will also transport the club materials to and from the Agricenter for the show, and has become a show sponsor. Hot diggity !

We must relocate all of these materials to the new area prior to July 31st, so we'll need a group of strong backs and willing hands to achieve the transfer.

The date for the transfer has not been established, yet, but we hope to have more information at the monthly member meeting, 10 July.

So, PLEASE SAVE THE MONTH for this super worthy cause!

May 2009

Board Meeting Notes

CAROL AND MATTHEW LYBANON: The MAGS Board of Directors met April 30 at the St. Clare Room in St. Francis Hospital, 5959 Park Avenue. The meeting was called to order at 6:36 P. M. Those present were: Mike Baldwin, David Day, Doris Jones, Carol Lybanon, Matthew Lybanon, Neville Mayfield, W. C. McDaniel, Nannett McDougal-Dykes, Dan Reed, Alan Schaeffer, and Paul Sides.

Secretary: There was a question about one point in the April minutes, but after some discussion the April Board & Membership Meeting minutes were reviewed and approved as submitted.

Treasurer: The Treasurer's Report was approved as submitted, subject to audit. Dan Reed made a donation that will go into the Roger Van Cleef Fund. We will wait until June or July to decide where the money to pay for the UV lights will come from. Doris Jones reported that we have now graduated to the 1-page IRS tax return instead of the postcard.

Membership: Neville Mayfield reported that our Show gained us a large number of new members. The Board hopes these new members will be active MAGS participants. The Board approved 10 new member applications, for Pamela Chase & family, Matthew Bendele & family, Amy Hertz & family, Michael Austen & family, Jimmy Matlock, Jim Butcher, Stacy Carr, Virgil Richards, James Johnson, and Roy Van Arsdale.

Field Trips: Dan Reed will contact Black Rock Quarry to make sure it is dry enough for our field trip. There was a question about the club's liability. Our insurance only covers damage for the landowner. Black Rock Quarry is not child-friendly. It is the quarry's policy that for safety reasons, only people 18 and over are allowed.

Adult Programs: Paul Sides presented the schedule of programs through the end of the year: May, Mark Norton (Pinson Mounds); June, Ashley Allen (Science Education in the U. S. and China); July, David Dockery; August, indoor Rock Swap; September, Bill Pryor (Fossils); October, tentatively Lapidary Art; November, Mike Gibson; December, holiday party.

Junior Programs: Alan Schaeffer has scheduled the following programs: May, Karen Schaeffer (Minerals); June, Mike Baldwin (Geodes); July, Mike

Baldwin & Alan Schaeffer (Fluorescent Minerals); August, juniors will join adults for Rock Swap.

Show: W. C. McDaniel reported the Show was very successful. The Show Committee will meet in the next few weeks to review the Show. The committee will ask Members to email suggestions for the 2010 show after their meeting. The dealers were very positive; we may already be sold out for the 2010 Show. Neville Mayfield said we need to protect the rock food table, since a lot of people ignored the "DO NOT TOUCH" signs. Mike Baldwin plans to shut down most of the Show website after a month, leaving the front page, thanks to sponsors, and a picture gallery. Dan Reed commented that we have room for growth at the AgriCenter. Carol Lybanon wondered if the sponsors got enough public recognition; W. C. McDaniel responded that we will do more of that for next year's show. Nannett McDougal-Dykes said that the Scouts loved what we did. David Day said this was really great for a show at a new location, better than several put together by professionals he has attended.

Library: No report.

Newsletter: The deadline for submitting material for the May issue was extended until tomorrow, May 1, because of the Show.

Webmaster: The club website has been very busy: over 5,000 visitors and 14,000 pages visited in 30 days.

Historian/Rock Swap: The May 23 Rock Swap will be at the home of Jimmy McNeil. Tentatively, the July 11 swap will be at the home of Alan Schaeffer.

Old Business: W. C. McDaniel will go to New Albany, Mississippi, to check out the area for our display.

New Business: Mike Baldwin said that, now that we have our new UV light, we need to collect or purchase more specimens that fluoresce in colors other than orange and blue. W. C. McDaniel asked Mike to make a list of the minerals we should get.

Shelby Hartman sent an email saying that she would not be able to publish the newsletter in June, July, and August. Mike Baldwin volunteered to take over for those months. The newsletter will continue to list Show sponsors for the rest of the year.

W. C. McDaniel asked for a volunteer for Vice President (Field Trips). He will check into forming a committee to take over the field trips. David Day recommends that the Field Trip VP's main

responsibility should be to organize the trips, appoint leaders for individual trips, and make sure the paperwork (signup sheets, etc.) is available.

Carol Lybanon asked who would volunteer to take minutes at the June Board and Membership Meetings, since she will be out of town. Doris Jones volunteered.

W. C. McDaniel asked the Board to come up with ideas to focus our club for the future. We should create a list of things and hopes for the club. The meeting was adjourned at 8:00 P. M.

May 2009

Membership Meeting Notes

CAROL AND MATTHEW LYBANON: The MAGS Membership Meeting was held at Shady Grove Presbyterian Church on May 8. The meeting was called to order at 7:32 P.M. There were 55 Members and 20 visitors. The visitors were Glen Hooper, Brett & Erin Pauley, Laura Bailey, Emilee, Molly, Jeff, & Ashley McCourt, Heather Baldick, Pam Beale, Kim Joyner, Steven & April Gibbs, Renee & Conner Morehead, Monica Lazar, Gaynell Perry, Jo Kee, Angela Zwissler, and Connie Massey.

W. C. McDaniel asked who was at the meeting because they learned about us at the Show; several people raised their hands. Neville Mayfield named the new March and April members (he didn't have the list of new members last month). W. C. welcomed the new members, and Neville named and welcomed tonight's visitors.

Mike Baldwin reported on both the newsletter and the website. Shelby Hartman is busy for a few months, so Mike will edit and publish the newsletter during that time. He asked for people to email submissions to him. He reported that the website had 45,000 hits this month.

W. C. told the meeting that Marvin Nutt won second place at the Tennessee Academy of Sciences.

Dan Reed reported that the May 9 field trip to Black Rock Quarry was canceled because of the weather, and rescheduled to June 13. Information and a signup sheet are on a table near the displays. Dan thanked Shelby for editing and improving two newsletter articles he submitted. Displays of material from Birmingham Ridge and Black Rock are on the table.

W. C. reminded Members that we

need a new Vice President-Field Trips. Since no one volunteered for the job, he told the meeting he has mapped out a schedule of field trips. If no one volunteers to lead a trip, that trip will be canceled. Paul Sides volunteered to lead a field trip to Crowley's Ridge (rocks and blueberries) on June 20.

W. C. asked parents of juniors to meet during the refreshments period, to go over a few things. He also pointed out that we need an assistant Junior Program chairperson.

W. C. said that David McAlister will polish some of the material donated for the 2010 Show. The Show Committee will meet in a few weeks for a post-mortem. All 30 dealers from this Show have committed to return, and there have been requests from several other dealers to be included.

Neville asked Members to review their information in the official roster (laid out on tables) for accuracy. He asked people to be especially careful about checking their email addresses, since even a minor error prevents messages from getting through. He also asked new members to pick up their new member packages.

W. C. asked Members to clarify the meaning of "Rock Swap" for the benefit of new Members who may not be sure of what they are. Several people supplied information. Nannett McDougal-Dykes talked about the May 23 Rock Swap at the home of Jimmy McNeil.

Mike said there were 21 delivery failures of the latest newsletter issue. He asked people to check their listings in the online membership directory, and send any corrections to him.

Paul introduced Mark Norton, who presented a program on the Pinson Mounds. Mark has free posters and another handout available.

W. C. briefly described displays by David Day (quartz carving) and David McAlister (Oregon thunder egg). Alan Parks reported that the Girl Scouts sent a thank-you card for their participation in the Show. There will be a more formal Show report at the June meeting. Alan Schaeffer asked Show Committee members to stand and be recognized. The meeting was adjourned at 8:45 P. M.

May 8 Special Board Meeting Minutes

Carol and Matthew Lybanon
Immediately after the Membership Meeting the Board met to validate the following changes on the Board:

Alan Schaeffer	Director (Youth)
Ron Brister	Director (Library)
Kimberly Loveland	Director (Asst Youth)

July Birthdays

NEVILLE MAYFIELD: Birthstone for July is Ruby.

- 3 Katheryn Van Cleef
- 3 Wayne Williams
- 4 Frances Fabian
- 5 Clay Crumpton
- 6 Riley Gunter
- 7 Paul M. Shipman
- 8 David Day
- 10 Nannett McDougale-Dykes
- 10 Viki Tuft
- 11 Evelyn Carrico
- 11 Grayson Pulley
- 12 Mary Selvidge
- 13 Lakshmi Tummalapalli
- 14 Sue NicholSEN
- 14 Sandy Ward
- 17 Melinda Warren
- 18 Kristina Worrell
- 18 Jennifer Cox
- 19 Margaret Selvidge
- 19 Jim Keegan
- 19 Susan Thomas
- 21 Steve Huber
- 21 Susan Vaughn
- 22 Theresa Maddox-Allen
- 22 Truate Bearden
- 22 Jon Fabian
- 22 James Johnson
- 23 Myrna Muir
- 23 Doris Parsons
- 24 Susan Prodanovich
- 25 Devin George
- 25 Jenny Vaughn
- 29 Sid Selvidge
- 30 Maria Wood
- 31 Daryl Wallace



Rubies, the red variety of corundum, occur in plutonic rocks, plutonic pegmatites and carbonate rocks as embedded tabular, short columnar, or barrel-shaped crystals. Rubies can be found in Upper Burma, Thailand, Sri Lanka, and Tanzania.

Bill Scheffer, Life-time Member

Master facetter, past MAGS president, treasurer, and newsletter editor, past SFMS president and life-time MAGS member, Bill Scheffer passed away on Thursday, June 11. Our deepest sympathy goes out to his family and friends.

Web Site Statistics for May 2009

MIKE BALDWIN: Here's a brief look at our web site [www.memphis-geology.org] 01.21.02 through 05.31.09:

Visits	377,191
Hits	1,619,582
Visits in May.....	4,183
Hits in May.....	31,738
Top pages in the past 30 days:	
eris	1,283 hits
homepage	1,038
rocknews0509.pdf ...	469 hits
rocknews1005.pdf ...	448 hits
rocknews0107.pdf ...	379 hits

A visit is every time someone comes to our web site. A hit is every page viewed once a user enters our web site.

July 11 Rock Swap

The MAGS Rock Swap this month will be at the home of Alan and Debbie Schaeffer, 6854 Corsica Drive, Memphis, TN, from 10:00 am until 2:00 pm on July 11.

Bring a side dish or dessert, enough for your party and some to share with the rest of the group. Bring your drinks and lawn chairs, rocks to swap or sell and money to buy any treasures you might find at the swap.

The main purpose of Memphis Archaeological and Geological Society is to promote and advance the knowledge of the Lapidary Sciences in the mining, identification, cutting, polishing and mounting of gems, minerals and fossils to the utmost of our geological and lapidary capabilities.

Except for items that are specifically copyrighted by their authors, other societies may use material published in MAGS Rockhound News provided that proper credit is given and the sense or meaning of the material is not changed. Editor: Shelby Hartman, 5116 Whiteway Drive, Memphis, TN 38117.

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AFMS NEWSLETTER AWARDS:

New Editor 7th-95 • Small Bulletin Honorable Mention-04 • Adult Article 10th-04 • Junior Article 3rd-98; 8th-03 • Special Pub 4th-03

SFMS NEWSLETTER AWARDS:

New Editor 1st-86; 2nd-88, 97 • New Editor (Explorer) 4th-03 • Certificate of Excellence-89, 90, 91, 92, 93 • Large Bulletin 1st-87 • Small Bulletin 1st-04, 3rd-07, 4th-03 • Special Publication 2nd-03 • Art 77, 80, 81, 82, 86 • Junior Article 1st-03, 07 • Adult Article 2nd- 89, 90, 04; 3rd-92; 4th-85, 04, 07; 5th-91, 03, 07; 6th-87; 8th-04, 07; Honorable Mention-03, 04, 07; Adult Poetry-07

DUES: \$20 (Family); \$16 (Single); \$8 (Junior)

JULY 2009

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- July 02 6:30P MAGS Board Meeting - St. Clair Room, St. Frances Hospital
- July 10 7:30P MAGS Membership Meeting - Shady Grove Presbyterian Church, 5535 Shady Grove Road • Bring displays and refreshments •
Adult Program: "Whale Fossils" with David Dockery
Youth Program: "Geology Experiments" with Sherri and Mike Baldwin
see page 3
- July 11 10:00A MAGS Rock Swap - Alan and Debbie Schaeffer's • see page 9
- July 19 8:00A MAGS Field Trip - Turkey Creek, Starkville, MS • see page 3



MAGS Rockhound News
5116 Whiteway Drive
Memphis TN 38117

