

M A G S

NEWSLETTER

Volume 48, Number 03

Memphis Archaeological and Geological Society

March 2002

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MAGS Newsletter is published monthly by and for the members of the Memphis Archaeological and Geological Society. Please send your comments to Bill Scheffer, 2959 Sky Way Drive, Memphis, TN 38127

WHAT'S HAPPENING IN MARCH



MEETING: 7:30pm, March 8, 2002 (Doors open at 7:00) at Shady Grove Presbyterian Church, 5530 Shady Grove Road, in Memphis, TN • Don't forget to bring your favorite snack

or dessert to share with everyone and bring a display. One adult

winner and one youth winner are selected from the displays each month. The monthly winners are eligible for prizes at the end of the year.

ADULT PROGRAM: "Argentina" presented by Lynn Doyle, Memphis-In-May Guest Speaker (see page four for article on dinosaurs from Argentina)

YOUTH PROGRAM (YOUNGER): "Collecting in the Field" with Don Blalock

YOUTH PROGRAM (OLDER): "Show Preparations" with the Randolphs

YOUTH FIELD TRIP: March 9, 2002 to Florence, AL to collect blastoids, archimedes and other Carboniferous fossils (see articles and details on page five)

DMC FIELD TRIP: March 16, 2002 to Statesville, NC to collect garnets, kyanite, pyrite, quartz, hornblende, and chalcopyrite (see page three for details)

MAGS FIELD TRIP: March 23, 2002 to Vulcan Quarry (Parsons, TN) to collect fossils (see page three for trip details and field trip schedule for 2002)

GREETINGS FROM THE PREZ!

APRIL 26! That's a really important date for you to remember. That's the Friday that we setup for the Rock Show. I hope you can make it down to the Pipkin Building that day, so we'll be ready for Saturday and Sunday. Bring a covered dish to share with everybody Friday night and we'll have dinner together around 6:30.

W.C. and the Show Committee have a great show planned this year, with lots of returning vendors, lots of new ones, and some very interesting exhibits. And don't forget about the Grand Door Prize--a huge Megalodon tooth (I'd like to find something like that in Nonconnah). Kids, the RockZone is even bigger and better this year.

I hope you picked up a handful of "pink" tickets at the last meeting. If you didn't, you still have a chance to get some at the March meeting. Pass 'em out to all your friends, family, neighbors, co-workers, and church members. If they come to the show, then you owe W.C. a dollar for every one that uses a pink ticket. What a deal!

See you at the meeting! *Lou White*

2001-2002 MAGS OFFICERS

President--Louis White

3805 Melanie June, Bartlett, TN 38135
901-937-8522

1st VP (Field Trips)--David McIlwain

305 Catlin Dr, Oakland, TN 38060
901-465-7388

2nd VP (Programs)--Paul Sides

1062 CR 739, Wynne, AR 72396
870-238-8078

Secretary--Raynee Randolph

6578 Birch Walk Dr, Memphis, TN 38117
901-367-9329

Treasurer--Bill Scheffer

2959 Sky Way Dr, Memphis, TN 38127
901-358-1194

Director--Dr. James Cole

8280 Bon Lin Dr, Memphis, TN 38133
901-382-0344

Director--Darryl Levitch

903 Wingfield Rd, Memphis, TN 38122
901-323-0678

Director--Dick McKittrick

5431 Brantford Rd, Memphis, TN 38120
901-683-3235

Director--Park Noyes

3366 Rosita Circle W, Memphis, TN 38116
901-396-5835

Director--Alan Parks

3405 Joffre Ave, Memphis, TN 38111
901-45-5195

Editor--Bill Scheffer

2959 Sky Way Dr, Memphis, TN 38127
901-358-1194

Librarian--Nancy Folden

379 McDermitt, Memphis, TN 38120
901-683-8497

Youth Program--Don Blalock

5900 Hwy 51 N, Horn Lake, MS 38637
662-342-0903

Web Coord/Co-Editor--Mike Baldwin

367 N Main St, Collierville, TN 38017
901-853-3603

Membership--Cornelia McDaniel

2038 Central Ave, Memphis, TN 38104
901-274-7706

Historian--Idajean Jordan

104 Plainview, Memphis, TN 38111
901-452-4286

Show Chairperson--W.C. McDaniel

2038 Central Ave, Memphis, TN 38104
901-274-7706

Show Treasurer--Dick McKittrick

5431 Brantford Rd, Memphis, TN 38120
901-683-3235



FRANK & FRANCIS WALKER--Roger Van Cleef continues to improve. We wish you well, Roger, and we hope to see you at club activities soon.

Please continue to keep Wayne Williams in your thoughts. We wish you a speedy recovery, Wayne, and we hope to see you again very soon.

If one of you, our members, becomes ill or knows of one of our members that is ill, please call Frances and Frank Walker at 372-6206 and let them know.

BE A REPORTER

We need your articles and ideas for the MAGS Newsletter. Please email them to rockclub@earthlink.net or send them by mail to Mike Baldwin, 367 N. Main St., Collierville, TN 38017 or call Mike at 853-3603 if you have an idea for an article or a series of articles. The deadline for the April issue is March 28, 2002.

This issue of the MAGS Newsletter features articles by W.C. McDaniel and Roger Van Cleef on page four.



March Birthstone is AQUAMARINE

- 01--Jacob Kriz
- 03--Jim Holliday
- 03--Ann Wolfe
- 08--Scott Norris
- 10--Tess Cannito
- 10--Benny Corlew
- 10--Helen Norton
- 11--Nancy Folden
- 11--Casey Randolph
- 12--Ernest Babb
- 18--Ruth Neville
- 23--Dorothy Foster
- 23--Brian Lewis
- 23--Janice Sanford
- 26--Stephany Rainwater
- 27--Ann Huber
- 30--Hisami McNeil

WEB STATISTICS

For the one month period of Jan 21 – Feb 20, 2002, here are the figures for our website (www.memphisgeology.org):

Visits*	639
Hits**	5087
Most popular page	Jan News
2nd most popular	The Show

* every time someone comes to our site is a visit
** each page a person goes to on the site is a hit

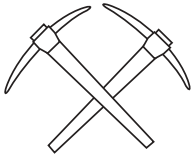
DUES UPDATE

BILL SCHEFFER--Thank you to all the members who have paid your dues for 2002. If you have not paid your 2002 dues, this will be your last newsletter. To continue your membership in MAGS your check should be made out to MAGS and mailed to: Bill Scheffer, 2959 Sky Way Drive, Memphis, TN 38127.

Single Membership: \$16.00 • Family Membership: \$20.00

Junior Membership: \$8.00 • Associate Membership: \$13.00

If you still have ('01) behind your name on the mailing label for this newsletter, that means Bill has not received your dues for 2002.



MAGS FIELD TRIP PARSONS, TENNESSEE

SATURDAY, MARCH 23, 2002 – FIELD TRIP LEADER DAVID McILWAIN (901) 465-7388

First site: Vulcan Quarry, Parsons, TN – 8:00am until noon. We will be collecting marine invertebrate fossils (corals, crinoids, brachiopods, sponges and trilobites) at this location. A liability wavier will need to be signed by each person before entering the facility. Time will be limited at this facility since we will only be allowed in during weekend work end hours. Collecting is free at this site. Lunch break at noon.

Second site: Dr. James Cole's property on Holiday Road near Parsons, TN – Approximately 1:30pm to 5:00pm. We will be collecting selenite crystals at this location, These crystal are on or just below the surface in gray soil. Collecting is also free at this site.

Meeting Time/Place: 7:00am, Sugar Tree Truck Stop

Restaurant, located at Exit #126 on I-40. Turn left off the ramp. The restaurant is on the right. From Memphis take I-40 east toward Nashville; allow approximately 2 to 2-1/2 hours driving time. Come earlier if you plan to eat breakfast. We will be leaving promptly at 7:30am for the Vulcan facility.

Tools: Fossils will be mostly in solid rock. Rock hammer, chisels, pry bar, chisels, screwdriver, etc. Leather gloves are a good idea, also safety glasses. Collecting containers and newspaper to wrap specimens.

Difficulty Level: 5 to 7 on a scale of 1 (easy) to 10 (hard). Please be advised that there is always a possibility for serious injury at the quarry, so any young members must be supervised at all times. No pets please.

MAGS FIELD TRIPS FOR 2002

Feb 23	Nonconah Creek, Memphis, TN (Minerals)	Jul 27	Magnet Cove, Malvern, AR (Minerals)
Mar 23	Vulcan Quarry, Parsons, TN (Fossils)	Aug 24	Tunnel Mine, Yellville, AR (Minerals)
Apr 20	MS Stone & Gravel, Olive Branch, MS (Fos/Min)	Sep	MAGS host Dixie Mineral Council (TBA)
May 25/26	Mark Twain Nat. Forest, Potosi, MO (Minerals)	Oct 26	Richardson Landing, Millington, TN (Minerals)
Jun 29/30	Quartz Crystal Mines, Mt. Ida, AR (Minerals)	Nov 23	Birmingham Ridge, Tupelo, MS (Fossils)



DMC FIELD TRIP NORTH CAROLINA GARNETS

AN OFFICIAL FIELD TRIP OF THE CHARLOTTE GEM AND MINERAL SOCIETY (HOST)
STATESVILLE, NORTH CAROLINA — 8:00am, Saturday, March 16, 2002

Martin Marietta Quarry, Statesville, NC

We will be visiting the Martin Marietta Quarry in Statesville, NC. This site is noted for Garnets in a Mica Schist. Kyanite, Hornblendes, Quartz forms, Pyrite, and Chalcopyrite can also be found at this quarry. Safety is utmost: hard hats, substantial shoes, safety glasses, sunscreen, and good judgment are always necessary along with protective clothing (no shorts).

We will meet at the quarry office at 8 a.m., sign releases, receive instructions on boundaries and safety, and be lead into the collecting area. We must leave the quarry by 12 noon!

Bring your own creature comforts, drinks , snacks etc.

Directions for when and where to meet:

We will meet at the Martin Marietta Quarry in Statesville, NC at 8 a.m. Drive 2 miles West on I-40 from the intersection of interstate I-40/ I-77. Exit North from I-40 at exit #150 (NC #115). Drive 1/4 mile North on NC 115, the quarry entrance is on the left. Trucks may be present as you enter the property, so be cautious. Approximate drive time from Memphis: 11 hours.

Note: Severe weather, or other crisis will result in cancellation or rescheduling of this trip.

Steve Pundt, Field Trip Chair • email address: spundt@infoave.net

NONCONNAH CREEK MORE THAN AN URBAN DRAINAGE DITCH

W. C. McDANIEL--In the early eighties I made my first trip down to the gravel bars of Nonconnah Creek near the Mall of Memphis. Within 15 minutes of arriving I reached down and picked up what I thought was some type of tooth, later identified (by the Pink Palace) as a part of a molar from an American mastodon. Twenty years later I am still wandering down to those gravel bars and making interesting finds, most recently a deer leg bone and a tooth awaiting identification. So why is this stuff in the creek, where did it come from and what can you find today?

Nonconnah Creek meanders about 30 miles through Shelby and Fayette counties serving as a tributary of the Mississippi River. However, about 17-23,000 years ago the creek was a tributary of the Ohio River, the Ice Age had come south and creatures like the mastodon roamed the land where malls and

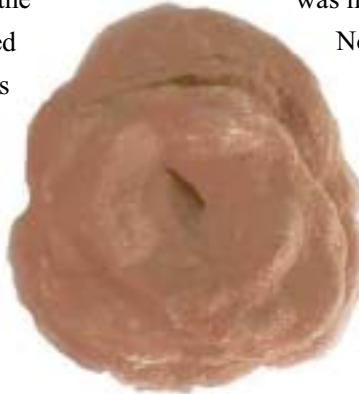
houses are now built. But as the climate changed and the river systems shifted very little of the animal life survived, leaving very little surface fossil remains. However, gravel deposits of the Miocene and Oligocene Periods can be found and one can collect agate, jasper, chert, quartz pebbles, petrified wood and fossils such as crinoids. The most common, banded agates, usually have multiple bands appearing in varying shades of color, shapes and sizes and frequently have irregular holes or pockets. Those with a smooth and “hard appearing” surface have a chance of taking a pretty good polish.

If you decide to check out the gravel bars, locations near Perkins, Lamar, Mt. Moriah and along Nonconnah Parkway provide reasonably good access. Don't go by yourself, avoid going during and immediately after heavy rains and watch out for remnants of urbanization.

A ROSE BY ANY OTHER NAME WOULD STILL BE A ROCK

ROGER VAN CLEEF--As legend has it “At the end of the Trail of Tears (the 1,000 mile trek made by American Indians to Oklahoma) God took the blood of the braves and the tears of the maidens, which fell to earth, and turned them to stone” thus the rose rock. “WRONG” says Choogie Kingfisher, who works at the Cherokee Nation's cultural center in Talequah, Oklahoma. “It's a rape of a heritage and of a culture just to make a buck”. So much for the information you receive in the little bags of rose rocks purchased at tourist stops. The question remains “what are Rose Rocks”? Lets look at what we do know. The dark-colored red roses are found only in Oklahoma. There is a lighter choral-colored “rose” found in Texas, California and Egypt. All rose rocks are composed of barium and sulfate which is barite. It forms crystals, which are blade shaped.

They are usually found as single crystals ranging in size smaller than a dime to the size of dinner plates. The largest single rose found on record is 17 inches in diameter and weights 125 pounds. The largest rose rock cluster is a 788-pound group named “Redwine and Roses”. The roses are found



in veins of a few square feet, containing thousands of roses and then there won't be any more found for miles. The rose rock was made Oklahoma's official state rock in 1968 and Noble, Oklahoma is considered the Rose Rock Capital. And that is about all that is known for sure about the rose rock.

When Dr. David London, Geology Professor at the University of Oklahoma was asked about the rose rocks, his reply was “It's a big enigma. We don't know much about the origins of our state rock”. Geologists know the rocks are composed of barium and sulfate forming barite, which crystallizes in blades. Some scientists believe the roses were formed as water moved through sandstone during the formation of the Garber Formation. Others believe the roses might still be forming.

Blood and tears--barium and sulfate. We do know that we don't know and who knows, one of you might find the answer to the enigma of the rose rock.

(Taken from an article by Jennifer L. Brown, Associated Press Writer, which appeared in the Sunday Oklahoman, August 5, 2001)

MAGS YOUTH

YOUTH FIELD TRIP FLORENCE, ALABAMA SATURDAY, MARCH 9, 2002

We will be traveling to Florence, Alabama to collect 330-million-year-old Carboniferous (Mississippian) period fossils, including blastoids and archimedes.

Come to the March meeting to get on the list to go. Don will have a checklist of what you will need to bring on the field trip. On the day of the trip, bring a sack lunch, plenty of water, snacks, a trashbag, and something to collect in (a small bucket or a nail apron). We will be surface collecting, which means no digging. Believe me, you will find plenty of fossils.

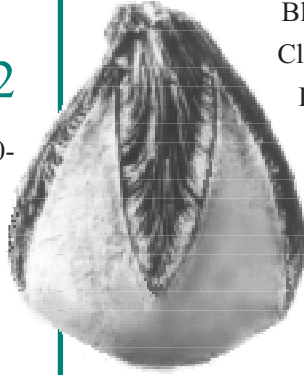
We will meet at Shady Grove Presbyterian Church at 7:30am on March 9 and should be at the site around 10:00. Don't miss this one!

MARCH YOUTH PROGRAM

OLDER YOUTH PROGRAM will be "Preparing 'Dry Sluice' Bags" and other things to help get ready for MAGS Show in April. Program leaders are Raynee and Bill Randolph.

YOUNGER YOUTH PROGRAM will be "Collecting in the Field" which will be about collecting and going on field trips. It will cover collecting etiquette (very important), what to bring, and how to collect safely. Program leader is Don Blalock.

BLASTOIDS



Blastoids are an extinct marine invertebrate Class belonging to the Phylum Echinodermata.

Blastoids are found in Paleozoic sediments and range from the Ordovician to the Permian but they are found mainly in the Mississippian Period sediments. Fossil Blastoids are easy to recognize by the symmetrically arranged plates (called ambulacra). They look like a roundish bulb with five (5) plates that meet at the top, and are commonly called fossil Rose Buds or Hickory Nuts in the South. The calyx (head) is normally composed of 13 plates that are firmly connected. The little bristle-like arms (called pinnules) attached to the top of the calyx are rarely fossilized. Pinnules caught the food for this invertebrate and transported its catch toward the mouth, top and center. The Stem elevated the Calyx above the sea floor, rising it higher in the water column than most other invertebrates on the crowded sea floor, and keeping its delicate pinnules from harm.

ARCHIMEDES

Archimedes, a distinctive Carboniferous bryozoan, is named after the water pump invented by the Greek philosopher, Archimedes. The screw-shaped central column once supported an intricate net of individuals. The colony stood upright on the sea floor and probably generated feeding currents from top to bottom, spiralling these downwards. A cousin to the present day coral, this animal ate plankton and other microscopic creatures in the water.



MAGS YOUTH SPECIMEN OF THE MONTH CLUB

Every youth member and youth visitor who attends the monthly meeting will go home with a new specimen, complete with an information card telling about the specimen and where it was originally collected. Come to the March meeting to get a quartz crystal specimen for your collection.

DINOSAUR FACTS BAGACERATOPS

Scientific Name: Bagaceratops rozhdestvenskyi

Pronounced: Bag - ah - Sair - uh - tops

Diet: Herbivore (Plant-Eater)

Name Means: “small horned face”

Length: 3 feet (1 m)

Height: 1.5 feet (.5 m)

Weight: 50 pounds (22 kilos)

Time: Late Cretaceous–80 mya

Bagaceratops was a very small member of the ceratopsian (horn faced) family of dinosaurs. It looked very much like its better-known relative, Protoceratops, except for the head. Unlike its cousin, Bagaceratops' head was shaped almost like a perfect triangle and it had a very small frill.

This basal member of the ceratopsian family had no brow horns, but it did have a well-developed beak with cheek teeth that were perfectly suited for grinding coarse plants. Scientists have collected five complete skulls and almost 20 partial



skulls, as well as many skeletal bones. These fossils represent different stages of growth, so scientists have a fairly complete understanding of Bagaceratops' life cycle.

An interesting fact is that, although Bagaceratops came along millions of years later than Protoceratops, Bagaceratops is considered a more primitive creature.

SPECIMEN OF THE MONTH

QUARTZ SiO_2

Quartz is the second most common mineral in the earth's crust. Feldspar is the most common, but quartz is probably the most collected mineral. Most of the quartz in the Ouachita Mountains in Arkansas (where MAGS members do a lot of their quartz collecting) occurs as milky veins. The principal difference between milky quartz and clear rock crystal is the presence of innumerable microscopic bubbles or fluid-filled cavities in the milky quartz. These cavities scatter the light that otherwise would pass through a clear crystal. Quartz collecting in the Mid-South includes Rock Crystal from Mt. Ida, Arkansas, Smoky Quartz from Magnet Cove, Arkansas, and Druse Quartz from Potosi, Missouri

Chemical Formula: SiO_2

Environment: Sedimentary, metamorphic, and igneous rocks.

Locality: Very common mineral found world wide.

Name Origin: From the German "quarz", of uncertain origin.

Synonym: Amethyst (purple); Citrine (yellow); Rock Crystal; Silicon Dioxide; Smoky Quartz (brown to black)

Crystal System: Trigonal - Trapezohedral

Color: brown, colorless, violet, gray, or yellow.

Specific Gravity: 2.6 - 2.65, Average = 2.62

Habits: Crystalline (Coarse) – occurs as well-formed coarse sized crystals; Druse – crystal growth in a cavity which results in numerous crystal tipped surfaces; Crystalline (Fine) – occurs as well-formed fine sized crystals.

Hardness: 7 - Quartz

Luster: Vitreous (Glassy)

Streak: white



FEBRUARY BOARD MEETING MINUTES

RAYNEE RANDOLPH--The February board meeting of MAGS was held on January 31, 2002 at McAlister's, Poplar and Highland. The meeting was called to order at 6:45pm by President Lou White. The following were present: Mike Baldwin, Don Blalock, Nancy Folden, Idajean Jordan, W.C. and Cornelia McDaniel, David and Diane McIlwain, Park and Terry Noyes, Alan Parks, Raynee Randolph, Bill Scheffer, and Lou White. The minutes from the January Board and General meetings were accepted and approved with one correction.

The following reports were given:

1ST VP REPORT--Field trip this month will be to Nonconnah Creek We will be collecting banded agate, jasper, petrified wood and ice age fossil bones. The DMC field trip will be February 16th 2002, will be in Ashland Alabama for massive almandine garnet crystals.

2ND VP REPORT-- The program for February will be "Mississippian Symbolism" given by Dr. Kent Reilly, director of Chucalissa. March program will be given by Mandy Johnson, from The Memphis in May staff on "Argentina". April is tentative, "Diamonds in Arkansas".

TREASURER REPORT--Bill Scheffer presented his report for February. Motion made, seconded and carried to approve report, subject to audit. It's time for the annual dues. You can pay your dues to Bill Scheffer by mail.

SECRETARY REPORT--Our July board meeting will fall on July 4th. Suggestions were made to move the board meeting to Tuesday July 2nd. A motion was made, seconded, and the vote carried the motion.

LIBRARY REPORT--If there is a book that you think the library can benefit from please write down the title and give it to the librarian. We have a volunteer to make shelves to display our videos. The microphone has been repaired. It needs to be tested. If the microphone does work, then the repair bill will be donated. Whenever members have free time, please continue to fill out the cards in the library books.

EDITORS REPORT--The new format for the newsletter is very well done thanks to Mike Baldwin. The editor will still copy and mail the newsletter as before.

WEB REPORT--The web site has a brand new design and address as well. The old web site will remain up for 6 months. The new site is seventeen times larger than the old one. Member sensitive information will be accessible by password.

JUNIORS REPORT-- "Do You Want to be a Rockhound" continues this month. We have programs planned until June. Ages are to be split for some programs. The groups will be: ages 5-9yrs and ages 10 and up. Juniors will be designing their own silk screen for tee-shirts, to be made at the annual fish fry in October.

MEMBERSHIP REPORT--State Director, Eileen Smith requested information on our club and how to join. She will be sent a member packet. Members with delinquent dues have been reminded by phone. Twenty-three members have not yet paid. A final reminder letter will be mailed after the general meeting.

SHOW REPORT--Dealer space is sold out. See news letter for details. Club booth space is going fast. We need a short show meeting at the general meeting. RMH will be our charity again this year.

SPECIAL COMMITTEE REPORT--Strategic planning was presented at the general meeting and new suggestions were added. The board needs to approve the goals written in final draft form from the board and general meetings. A motion was made and seconded, and the vote carried the motion

NEW BUSINESS --The board approved Junior membership for Natalie and Rachel Parks.

ANNOUNCEMENTS --Charley McPherson would like to get back in the rock swap circuit. Possibly to host the May rock swap.

IDEAS--We will be hosting the DMC field trip in September. Paul, W.C., and David have formed a committee to research sites for that trip. Vulcan Quarry and Coon Creek have been mentioned.

Meeting adjourned at 8:12pm

FEBRUARY GENERAL MEMBERSHIP MEETING MINUTES

RAYNEE RANDOLPH--The February meeting of MAGS was called to order by President Lou White at 7:35pm on Friday, February 8, 2002 at the Shady Grove Presbyterian Church. Our visitors were: Keith and Truid Dulin, Kimberly and Leah Novarese, Helen and Lared Rogers, and Ken and Alex Burke.

1ST VP REPORT--Field trip this month will be to Nonconnah Creek— on the South side of Memphis. We will be collecting banded agate, jasper, petrified wood and ice age fossil bones. Meeting place will be the Mall of Memphis near the old J.C. Penny store. Bring collecting bags, backpack, gloves, boots, and warm clothes. If we receive rain prior to the trip, collecting may depend on the level of water in the creek. The DMC field trip will be February 16th 2002, will be in Ashland Alabama for massive almandine garnet crystals. March 22nd we will be going to Vulcan Quarry.

2ND VP REPORT--March's program will be given by Mandy Johnson, Memphis in May staff. The Program will be entitled, "Argentina" If any members have any specimens from Argentina, we will consider having a display at Memphis in May from MAGS. Please let Paul know if we can participate in this event. It would give us a lot of publicity during the entire month of May. April's program is tentative, entitled "Diamonds in Arkansas". This would also tie in with our show in April.

PROGRAM--None

SHOW REPORT--Monthly updates will be in the newsletter. Grab bag material is needed as soon as possible. We are sold out of dealer space. Club tickets are available tonight. Give them to anyone as long as you sign it. They get into the show free but you pay one dollar to the club. Next month brochures will be available to hand out.

LIBRARY REPORT--Library is open. Please take time and fill out one of the cards in the books. Several can be done by each member, so help out when you can.

ANNOUNCEMENTS --Cornelia has pictures available from the Christmas party. Thanks also to Dick McKitrick for taking pictures as well.

DISPLAYS

Lou White – Ice Age Fossils from West Tennessee
W.C. – Material from Nonconnah Creek
Kelly Baldwin – Sand Blows science fair project

DISPLAY WINNERS – Kelly Baldwin and Lou White

DOOR PRIZE WINNERS – Jennifer Baldwin

The meeting adjourned at 8:17pm followed by refreshments.

WHERE CAN I FIND MEGALODON TEETH

MIKE BALDWIN--If you come to the 23rd Annual Mid-America Mineral, Fossil, Jewelry Show, you don't have to look any further. The Grand Prize at the show this year is a replica of a tooth that once belonged to a 75-foot-long megalodon. Now that's one big shark. If you want to find some for yourself, the best place that my family and I have found to look is Amelia Island, just off the coast of Florida near Jacksonville. Last summer, we combed the beach on the northern end of the island for several days. We found a variety of nice shark's teeth, and we saw several people along the beach who actually found small megalodon teeth (3 to 3-1/2 inches long). Just up the road an hour or so is another good place to look, at Tybee Island, Georgia. We weren't fortunate enough to find a megalodon tooth, but some people were. We did find a great shop near there called "Fossil Quest", and I couldn't resist coming home with a 10-million-year-old Carcharocles megalodon tooth from the Hawthorn Formation near Savannah, Georgia.

NAME THE MAGS NEWSLETTER

You could be the one to give the MAGS Newsletter a name. For forty-eight (48) years, our newsletter has not had an official name. You could change all that. Send your suggestions to rockclub@earthlink.net or call Mike at 853-3603 or bring your ideas to the March or April MAGS meetings. We need your artwork too. So put on your thinking cap or loosen up your drawing hand. We'll vote on all the suggestions at a MAGS meeting in the near future.

MAGS PRESENTS THE 23RD ANNUAL MID-AMERICA MINERAL, FOSSIL, JEWELRY SHOW

Pipkin Building, Fairgrounds

Friday, April 26 - 6:30pm - Show dinner and special events

Saturday, April 27 9:00am - 6:00pm • Sunday, April 28 10:00am - 5:00pm

It's time for you to volunteer for the show. We need lots of help (muscles, ideas, publicizing the show, friendly faces and nimble fingers) and direct contributions (ROCKZONE and grab bag material, food, drinks). The show committee has recruited the dealers, exhibitors and demonstrators, paid for the building, reserved the tables, purchased door prizes, developed and implemented a marketing plan and worked very hard getting ready for our annual presentation to the Mid-South. Now it's YOUR time to step up to the show with the enthusiasm of discovering a brand new roadcut and represent YOUR club. We need YOUR help for the following:

- Gem dig material (can never get too much)
- Grab bag material (lacking this year, please donate)
- Distribute show tickets (best bargain in town)
- Distribute show advertisements (talk the show up)
- Show up on Friday during the day (and Thursday if the building is open)
- Friday dinner (we need your food and drinks)
- Friday night (help set up and decorate tables and clean up afterwards)
- Front door ticket sales on Saturday and Sunday
- Building security Friday and Saturday nights
- Club booth sales Saturday and Sunday
- Hospitality booth Saturday and Sunday
- ROCKZONE gem dig and sluice box Saturday and Sunday
- Show breakdown and cleanup on Sunday night

So come to the March meeting and make your commitment. If you are not able to come to the meeting, call W. C. at 274-7706 or Alan Parks at 454-5195.

BE A WINNER BY ANSWERING A FEW QUESTIONS!!!!

Each newsletter leading up to the show (four) will contain a question. Answer each question and bring your answers to the Friday night dinner. Those who correctly answer the most (hopefully all four) questions will be entered into a drawing for show gift certificates (\$\$\$) to spend during the show.

March's Question: Blastoids (Pentrimites) came from what geological period?

Show Will Benefit The Memphis Ronald McDonald House

**PICK UP YOUR SHOW FLIERS AND
"PINK" TICKETS AT THE MARCH 8 MEETING!**



WORLD PALEONTOLOGY



ARGENTINA LAND OF DINOSAURS

Millions of years ago, the largest dinosaurs rumbled through the steamy jungles of northern Patagonia. Now a desert of bleak mountains and blistering heat, the remote South American region is giving up a bonanza of bones from these giants.

A rash of mysterious monster finds has placed Argentina on the paleontology map in recent years. Fossilized discoveries over the past decade include Giganotosaurus, the largest dinosaur carnivore; Argentinosaurus, the largest herbivore; and other bones that suggest an even longer species. Relatively unexplored, the

fossil fields of Patagonia could produce scientific rewards that rival or surpass prolific dinosaur discovery sites in the western United States and Canada, according to some scientists.

"They have vast areas of rocks that appear to have a lot of dinosaur remains in them," said Karl Flessa, former president of the Paleontology Society. "It's a matter of them having rocks of the appropriate age and character."

Jurassic. Triassic. Cretaceous. All of the great periods of the dinosaurs show up on the fossil history of Argentina.



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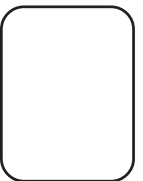
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The Memphis Archaeological and Geological Society's main purpose is to promote and advance the knowledge of the Lapidary Sciences in the the mining, identification, cutting, polishing and mounting of gems, minerals and fossils to the utmost of our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

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