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KEEP OUT! OLD MINES ARE DANGEROUS



Modern Surface Mine

Photo by Chuck Meyers, Office of Surface Mining

US DEPARTMENT OF THE INTERIOR: Whether hiking, camping, hunting, 4-wheeling or simply just enjoying the countryside, outdoor activities are a source of enjoyment for millions of Americans each year. But outdoor recreation also requires caution—especially near abandoned mines.

No one knows the exact number or location of all abandoned surface and underground coal mines in this country. We do know that hundreds are scattered across

the American countryside, primarily in the eastern coal-producing states, such as Pennsylvania, West Virginia, Virginia, and Kentucky. In western states like Colorado, Arizona, Montana, and Utah there are also abandoned “hard-rock” mines that pose additional dangers. Hazardous abandoned mine problems include open shafts and horizontal openings resulting from underground mining, unstable vertical cliff-like high walls, dangerous water bodies, collapsing buildings and rusting machinery, and defective or unused explosives. Many of these hazards are the result of mining that occurred

see Old Mines Are Dangerous on page five . . .

MAY MAGS EVENTS

- 06 6:30p Board Meeting @ Blue Plate Café, 5469 Poplar Avenue
14 7:30p General Meeting @ Shady Grove Presbyterian Church, 5535 Shady Grove Road, Memphis [bring refreshments and displays]
Program: “Black Rock Geology” presented by David Pryor
20 7:00p M3 Micromounters Meeting at the home of Roger Van Cleef
22 9:00a DMC Field Trip to Willis Mountain and Baker Mountain Kyanite Mines near Sprouses Corner, VA [see page 6 for details]
22 8:30a MAGS Field Trip to Black Rock, AR [see page 3 for details]



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FROM THE PRESIDENT

While the show is “over”, some work remains to be done, hopefully benefits to be gleaned and a little rest for all. The initial data and feedback indicates it was a good and successful show. A more detailed assessment will come later.

The coming months of meetings, field trips and vacations will put us back on our normal schedule of club events and activities. I really want and encourage club members to provide some ideas and suggestions on what you would like to see the club do through its programs and events. I bet there is a really great idea waiting to be mined from a club member.

The Mississippi River has been intriguing this spring. A series of ups and downs has me convinced the pickings should be good once the river stays at a doable and searchable level.

WC McDaniel

2004 MAGS FIELD TRIPS

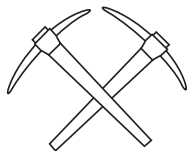
DAVID McILWAIN: We have some great field trips planned for the remainder of 2004. Mark your calendars and clear your weekends. Here's what you have to look forward to:

MAY 22	Barite/dolomite; Vulcan Mine; Black Rock, AR
MAY 29-31	Selenite; Great Salt Plain National Wildlife Refuge, Jet, OK
JUN 26-27	Quartz crystals; Quartz Crystal Mines; Mt. Ida, AR
JUL 17-18	Fluorite; Old Fluorite Mine; Cave-In-Rock, IL
AUG 23	Shark's teeth/fossils; W.M. Browning Cretaceous Fossil Park, Frankstown, MS
SEP 18-19	Fossils; MAGS hosts DMC at Coon Creek; Adamsville, TN
OCT 23	Agates, jasper, ice age fossils; Richardson Landing; Millington, TN
NOV 20	Fossils; Vulcan Quarry; Parsons, TN



DEADLINE FOR SUBMITTING NEWS, ARTICLES, ANNOUNCEMENTS, OR PICTURES FOR THE JUNE ISSUE OF MAGS ROCKHOUND NEWS IS MAY 22, 2004

MAY 2004 MAGS FIELD TRIP



SATURDAY, MAY 22, 2004 • 7:30AM
BLACK ROCK, AR • DOLOMITE AND CALCITE
THIS FIELD TRIP IS OPEN TO MAGS MEMBERS ONLY

Collecting site: The Vulcan Materials Company–Black Rock Quarry in Lawrence County near Black Rock, AR. This trip is open to MAGS members ONLY, and collecting is free at this site.

Specimens: Calcite crystals, pink dolomite crystals, chalcopyrite, pyrite, marcasite and quartz crystals. These specimens may be found in the limestone rock.

Required Equipment: Hard hats, steel toed safety shoes and safety glass are required to worn at all times. Children under 8 years of age are not permitted to enter this quarry. Children 8 years of age and up, are permitted to wear hard-soled shoes if safety shoes are not available in their sizes.

Release/wavier: The Vulcan Materials Company requires each person to sign a Release, Wavier and Indemnity Agreement form before entering the facility. These forms will available at our meeting place.

Driving Directions: From Memphis take I-40 west toward Little Rock, then take I-55 north exit number 277 toward Blytheville/Jonesboro. Take US-63 north exit number 23B toward Marked Tree/Jonesboro. Continue on US-63 north through Jonesboro and Hoxie to Black Rock. Allow approximately 2 to 2 1/2 hours driving time.

Meeting Time/Place: 7:30 am, Rena's Café located at 3430 Highway 63, Black Rock (870) 878-9283. We will convoy to the Vulcan facility promptly at 7:45 a.m. Follow AFMS Field Trip Convoy Guidelines. (Optional hotel/motel accommodations) Days Inn & Suites located at 2805 Highway 67 S, Pocahontas, AR (870) 892-9500, for those who want to travel and stay over on Friday night.

Tools: Bring rock pick, hammers, chisels, pry bars, etc. Leather gloves and newspapers for wrapping specimens, collecting containers such as bucket or clothe bags.

Safety Note: While at this site, all safety rules must be followed. All children and junior members must be

supervised by an adult member at all times. Please be advised that there is always a possibility for injury. Sorry, no pets please. Follow AFMS safety rules, code of ethics and collect courtesy code.

Difficulty Level: 4 to 6 on a scale of 1 (easy) to 10 (hard).

Saturday's Agenda:

8:00 am: We'll enter the Black Rock Quarry and be escorted to the collecting site.

11:00–noon: We'll break for lunch. Please bring a sack and/or picnic lunch, that way you will be able to stay at the quarry and collect longer. Also, bring plenty of cold soft drinks and/or bottled water or Gatorade.

2:00 pm: We'll be escorted out of the quarry and head for home.

If you want to go, please sign the list. If you sign up and decide not to go, please contact David McIlwain ASAP.

David McIlwain, MAGS Field Trip Coordinator
305 Caitlin Drive • Oakland, Tennessee 38060-4259
Home: (901) 465-7388 • Cellular: (901) 266-1446
Office: (901) 867-4303 • E-mail: davidmcilwain@netscape.net



Dolomite with chalcopyrite. Photo courtesy of Minerals.net

MAGS MICROMOUNT [M³] NEWS

TURRITELLA AGATE: THE NAME IS FALSE

Turritella agate is found in Sweetwater County, Wyoming and also around Superior and Wamsutter, Wyoming. The little snail that inhabited the shell lived in the Eocene, about 40 million years ago. These fossils were not laid down in a sea, but in a freshwater lake. The shell is highly silicified, more so than the brown matrix from which they can be etched. Whoever named this agate only knew that the sea-snail Turritella had a high spiral shell. He jumped right in with this name without bothering to check the species out. The name has stuck, causing many people to be misled.

These fossils are not even in the Turritella family. The true name is Oxyterma genera. A few years ago this species was known as Goniobasis tenera but further research caused the additional name change. You should check your collection and perhaps change your identification up to date with the correct name on this beautiful little gastropod.

From Snoopy Gems, February, 2004 via MAPS Digest and Show-Me Rockhounds Newsletter.



Turritella Agate . . .

or more appropriately, the Oxyterma Agate.
Photo courtesy of www.greatslabs.com.

NEW MEMBERS AND CHANGES

CORNELIA McDANIEL: We are pleased to welcome our new members:

[1] **Randy, Susan, Amanda, Sara, and Charlie Thomas**; 650 Winleaf Cove, Collierville, TN 38017; 901-853-5543; asc650@aol.com

[2] **Michael Bradshaw**; 1418 Devonshire Drive, Slidell, LA 70461; 985-649-3557; mlbradshaw_csp@hotmail.com

Please make one change to your MAGS directory: email for **James Parker** is now debbie.parker@awin.com.



SUNSHINE REPORT

CORNELIA McDANIEL: This month we want to send CHEERS and a great big hug to **Roger Van Cleef, Teresa Noyes, Breezy Levitch** and **David McIlwain**. It was really great to see **John Jones** and **Breezy** at the Rock Show.

We send our heartfelt thanks to Chuck Cole, **Melba Cole's** son, for your service and sacrifice defending the freedom of our country and the world.



MAY BIRTHDAYS

Birthstone = Emerald

2-Kathy Hemingway	9-Nora Parker	22-James Parker
4-Theodore Muir	10-Caitlin Cannito	25-Mark Barton
8-Jean Helt	12-Pam Crumpton	27-Kelly Baldwin
8-Paula Holliday	13-James Butchko	28-Carl Warren
9-Shelby Beckum	17-Dr. Darrell Richardson	29-Faye Smith
9-Carol Lybanon	19-William Butterick	30-Michael Cannito

OLD MINES ARE DANGEROUS

... continued from page one

years ago—some in the early 1900s. There is nothing of value left in abandoned mines—That’s why they are abandoned. Federal and state reclamation agencies are working to reclaim abandoned mines, but there are so many of them left that it is vital to know about abandoned mine dangers and stay away from them.

ABANDONED MINE SHAFTS

Abandoned mine shafts may be unmarked or unprotected at the surface and be hundreds of feet down. They may be fairly easy to see if they are large; they may be obscured by years of vegetative overgrowth; they may be covered by decayed and rotten boards that will give way under the slightest weight; or they may be a combination of all these. Even when an open shaft is clearly visible, walking close to it is very dangerous because the decomposed rock at the top of the shaft can suddenly cave in.

ABANDONED HORIZONTAL MINE OPENINGS

Abandoned horizontal mine openings leading into underground tunnels may seem sturdy to the untrained person but be prone to cave in. They may seem safe to explore but can contain many hazards—rotten roof support beams, deadly odorless gases, poisonous snakes, vertical shafts in the tunnel floors, and flooded sections. Darkness and sharp objects hanging from the roof add to these underground mine hazards. In addition, unused or misfired explosives can become highly unstable and be set off by a slight disturbance or a touch. Blasting caps, resembling a firecracker with wires, are sometimes found on the ground and, if stepped on, they will explode.

ABANDONED SURFACE MINES

Abandoned surface mines also contain dangers. Many of the steep embankments and high walls are very unstable and will collapse under the weight of a person, especially after periods of alternate freezing and thawing which cracks the rock and weakens the steep earth material. Water bodies may look like desirable swimming holes or ice skating ponds; however, they can be deceptively deep, dangerously cold, and frequently hide steep slippery sides that can make climbing out extremely difficult or a life-threatening danger.

Regardless of the type of mine, remember to stay away if you spot what appears to be an abandoned mine. It’s likely to be dangerous. And, if you are in an area where coal has been mined, watch where you are going. You may stumble across an abandoned mine when you least expect it. Be alert!

see Old Mines Are Dangerous on page eight . . .

MAGS ROADCUT

Welcome to the MAGS ROADCUT. ROADCUT is designed to provide general information and news for rockhounds. .

WC McDANIEL: Over the past several weeks I have made presentations to over 125 school kids including several field trips to my house. So in place of the usual Roadcut material I would like to share some of the contents of the “Thank You” notes I have received:

“Your house is a geode.”

“You make everything crystal clear.”

“You rock the world.”

“Your yard is a gate to the stone age.”

“You’re a gold mine of information.”

“Who would have dreamed that dinosaur dung could have shine from the past.”

“That meteorite was out of this world.”

“Thank you so much for teaching us about your marvelous rock collection.”

“Geology is cool.”

“I was really shocked how many rocks you have.”

Send your MAGS Roadcut News to WC McDaniel at cfmcdaniel@worldnet.att.net

PROGRAM NOTES

The May program will be “Black Rock Geology” presented on May 14 by David Pryor of the Geological Survey of Little Rock, AR, followed by a field trip to Black Rock on May 22 to collect dolomite, calcite, and other minerals.

SOUTHEAST FEDERATION NEWS



DMC Program of the SFMS Field Trip Committee
An Official Field Trip of the Gem and Mineral Society of Lynchburg, VA (Host) • Saturday and Sunday, May 22-23, 2004
Willis Mountain Kyanite Mine and Baker Mountain Kyanite Mine, VA

8:00am – 10:00pm, Saturday, May 22. Willis Mountain, (a monadnock) is the only significant active Kyanite mine in the world. At 9:30 am we will have a guided tour of selected facilities and processes and then collecting on the mountain, free BBQ, Hot Dogs and snacks (RSVP appreciated), soft drinks and water, rock swap (bring your swap material, table and chairs or tailgate). There will be night collecting in a limited area after dark until 10 pm. We will have at least four club members with super bright short wave ultraviolet lights but bring your own for your personal collecting. Minerals: mostly white with some blue Kyanite (some crystals fluoresce light blue), Pyrite, Red Mica (iron stained), Muscovite, Hematite coated Kyanite (some iridescent), Quartz and rare Apatite, Trolleite, Augelite, Enargite, Topaz, Lazulite, Variscite and Goyazite. Several of these also fluoresce.

10:00am–2:00pm, Sunday, May 23. Baker Mountain, which is inactive and partially reclaimed. We will be collecting in two different areas. Minerals: Beautiful blue Kyanite crystals loose in the soil or in Quartz,

Pyrite, Green Mica (Fuchsite), Red Mica (iron stained).

Meeting time and location: Saturday morning between 8:00 and 8:30 am, we will all gather in the Food Lion parking lot, Sprouses Corner for sign in and mine release signing. Sprouses Corner is 20 miles north of Farmville, VA on Route 15 where it intersects with Route 60. From this intersection drive north on Route 15 for 1.4 miles to a traffic light at Route 20. Turn left and you will immediately see the Food Lion on your right. We will gather at the rear of the lot.

Sunday morning between 9:30 and 10:00 am we will all meet at the Baker Mountain mine site. Maps and directions will be provided at the Saturday briefing.

For equipment list, list of accommodations or additional information, please contact David Callahan, Field Trip Chairman at 540-297-1853 or dbc11@aol.com

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!

SFMS & OTHER CLUB SHOWS AND EVENTS

May 7-9, Marietta, GA- The Georgia Mineral Society. The 36th Annual Gem and Mineral Mother's Day Weekend Show. Cobb County Civic Center, 548 S. Marietta Parkway (at Fairgrounds Street), Marietta, GA 30339. Hours: 7th and 8th, 10:00 A.M.-6:00 P.M.; 9th, Noon-5:00 P.M. Door prizes and Free Admission/Parking. Auction open to public on 8th at 2:00 P.M. Contact: Jay Gorday at 770.986.0822 or gms@gamineral.org. Web link at <http://gamineral.org/mayshow.htm>.

June 5-6, Birmingham, AL- Alabama Mineral & Lapidary Society. 31st Tannehill Gem, Mineral, and Jewelry Show at Tannehill Furnace Historical Park near Birmingham, AL. Hours: 5th and 6th: 9:00 A.M.-5:00 P.M. Show admission free to public with \$1 to \$2 admission fee to enter the park. Contact Rick Kittinger, 1612 Coleburg Circle, Hoover, AL 35226 or rick.kittinger@bellsouth.com.

MAGS REVIEW

MARCH 4, 2004 BOARD MEETING NOTES

RAYNEE RANDOLPH: The MAGS board of directors met March 4, 2004 at The Blue Plate Café, 5469 Poplar Avenue. The following were present: Mike Baldwin, Idajean Jordan, Cornelia and W.C. McDaniel, Park and Terri Noyes, Raynee Randolph, Bill Scheffer, Paul Sides, and Roger Van Cleef. Reports given: (1) 1st VP: The field trip for March 27 to northern Alabama. Collecting here is hard work. On a scale of 1-5 this trip will be a 10! The good stuff will be 5-10ft down and the digging is tough. There is surface collecting and petrified wood down by the creek. April we will be going to Arkansas Crater of Diamonds State Park. (2) Program: March program will be presented by Dr. Richard Carroll entitled "Alabama Petrified Wood". April will be Mike Howard and "The Crater of Diamonds". (3) Editor/Web: Please stick to the deadlines set for articles. (4) Juniors: Roger will have a program for them on Dinosaur fossils, and about T. Rex teeth. (5) Membership/Sunshine: Condolences were sent Patty Hearn and to Bill Scheffer, Anna Sisk had foot surgery. A final mailing has been sent to those with past dues. Membership was approved for the Thomas family. (6) Show: The next show committee meeting will be April 5th. During the general meeting we will have members label and stamp the post cards to be mailed out to the public. April 10th we will pack up grab bags at W.C.'s. (7) Old Business: [1] There may be a possibility of having our June rock swap and picnic at Chucalissa. [2] Judges for the science fair will be Mike Baldwin and W.C. Jr./Sr. judging will be March 23rd. Elementary will be judged April 27th. Approval for gift certificates was passed for the winners of both categories. [3] MAGS has been requested to host the SFMS board meeting in 2005. The request was approved and Cornelia McDaniel volunteered to coordinate those activities. (8) New Business: The SFMS executive board meeting was held in Jackson, MS on February 28th 2004 at 1:00pm. The Baldwin family attended and Mike gave a report. A special awards presentation was given to Jennifer Baldwin in honor of winning 2003 Junior of the Year. Kelly Baldwin was honored as the first runner-up and Michael Burke from the Huntsville club was second runner-up. Great job girls! The SFMS slide/video catalog will be on the website soon. Bill Scheffer has a complete paper copy which will be kept in the library. SFMS is without insurance coverage. We may have to find an outside source to insure us for the show. Meeting Adjourned @ 7:40pm.

MARCH 12, 2004 GENERAL MEETING NOTES

RAYNEE RANDOLPH: MAGS March General Membership meeting was held at Shady Grove Presbyterian Church on March 12, 2004, presided by President W.C. McDaniel. There were 51 members and 3 visitors present. They were: Richard and Melony Carroll, and Kelly Rayne (1) Show: Member tickets are here take some and pass them out. Don't forget to sign them. Please sign the volunteer lists here on the table. This show cannot take place without volunteers. There is also a food list to sign. We feed a lot of people on Friday evening. SO SIGN UP! (2) Library: We have five new library additions. Don't forget to use the library every month. (3) Insurance: The Federation is uninsured at this time but is looking for another carrier. If we have no insurance then we will have no field trips on private property. State Parks are OK because they are public property. (4) Field trips: On the 27th of March we will be going to north Alabama for brilliant wood. This is a difficult trip with a lot of digging. Surface collecting is possible and this trip will be open only to members. April 17th will take us to The Crater of Diamonds, AR. Leave the weekend of the 23-25 open for the show at the fair grounds. (5) Programs: March's program will be given by Richard Carroll on the Petrified Wood of Northern Arkansas. Mike Howard will give the April program from the Arkansas State Geology Department on the Crater of Diamonds State Park. This will correspond with our field trip to the State Park in April. (5) Displays: Doris Parsons – Brilliant stump; David McIlwain – Brilliant logs; Dennis Sanders – Mastodon teeth. Announcements: Jennifer and Kelly Baldwin were the Junior of the Year winner and runner-up for 2003. They competed with other juniors from 80 clubs in 10 different states. There were three door prizes awarded and we dismissed @ 8:45 for refreshments.

OLD MINES ARE DANGEROUS . . . continued from page five

Don't go looking for abandoned mines but if you find what you think is an abandoned mine shaft, tunnel, or other danger, mark the location so it can be easily spotted. Be careful not to go too close. The report what you found to the nearest location of the Office of Surface Mining, or contact your state abandoned mine reclamation office (visit www.osmre.gov/map.htm for contact information). Be prepared to describe the approximate location, identifying landmarks, nearby trails, or other characteristics that will help authorities locate the mine.

Reporting the location of abandoned mines is a public service. You will be protecting others from danger, and helping America maintain and improve the environment. For additional information about abandoned mine land hazards visit the Office of Surface Mining "Keep Out" website at www.osmre.gov/keepout.htm.

And remember, warning signs should be taken seriously; however, most abandoned mine hazards have no warning signs or fences around them and the hazards are not always apparent. Abandoned mine sites are an irresistible and sometimes deadly attraction for children

Hazards of Old Mines

Overburden (top right); high walls (bottom right); and abandoned underground mine (bottom left). Photos by Chuck Meyers, Office of Surface Mining



and adults. In addition, trespassing or exploring on abandoned mines is a violation of property rights just like walking into someone's yard or home without their permission. So . . . keep out and be safe.

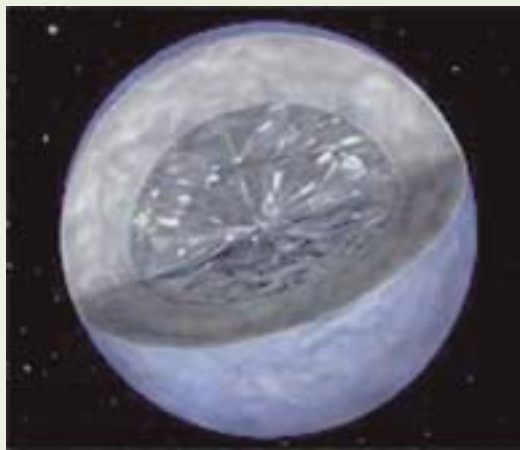
Reference: US Department of the Interior; Office of Surface Mining; 1951 Constitution Ave., N.W.; Washington, DC 20240; 202-208-2719; getinfo@osmre.gov; www.osmre.gov. Information gathered for educational purposes under the provisions of the "Fair Use Act of 1976."

Visit the Southeast Federation at <http://www.amfed.org/sfms> for federation news, Wild Acres and William Holland updates and [Lodestar](#) newsletter online.

MINI-MAGS NEWS [WHAT'S HAPPENING WITH THE KIDS]

TWINKLE, TWINKLE LITTLE DIAMOND?

LARGEST KNOWN DIAMOND FOUND IN SPACE



Lucy, Largest Known Diamond

Photo courtesy of BBC News.

In a typical-sized white dwarf star, crystallization of the core would not begin until the surface temperature reaches 6000-8000°K. In more massive white dwarves, this crystalizing effect would begin at higher surface temperatures. The largest white dwarf presently known is BPM 37093 [Lucy]. By watching the pulsating movements of this star, astronomers can determine the size of it's crystallized core.

MIKE BALDWIN: On February 14, 2004, U.S. astronomers at the Harvard-Smithsonian Center for Astrophysics in Massachusetts discovered the largest diamond ever found -- 2,500 miles across -- in deep space.

This enormous diamond is buried in the core of a white dwarf star in the constellation Centaurus, 50 light years from Earth. That's about 300 trillion (300,000,000,000) miles away. In jeweler's terms, it would weigh 10 billion trillion carats, or 5 million trillion pounds.

The star's official name is "BPM 37093" but in light of its status as the largest diamond ever discovered, the astronomers who spotted the cosmic gem decided to nickname it "Lucy", as in the Beatles song, *Lucy in the sky with diamonds*.

A white dwarf is the remains of a burnt-out star which was once much like our own sun. Once a white dwarf runs out of heat, it becomes a big pile of cinders and metal. Because of Lucy's huge mass, the pressure in it's core [caused by gravity pulling the star tighter and tighter] has compressed the core down to the stage where the carbon in it has actually crystallized and when carbon is crystallized under high pressure, the result is a diamond.

The largest diamond found on earth was the 3,106-carat Cullinan. It was cut into nine major stones, including the 530-carat Star of Africa, the largest gem diamond, now a part of the British Crown Jewels.

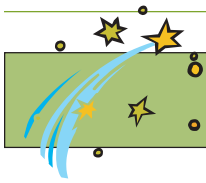
References:

- [1] *Diamond Lucy in the Sky*; ABC News Online; <http://www.abc.net.au/news/indepth/featureitems/s1047617.htm>; 18 February, 2004.
 - [2] *Diamond 2,500 Miles Across Found in Space*; The Washington Times; <http://washingtontimes.com/upi-breaking/20040217-094749-6694r.htm>; 17 February 2004.
 - [3] Whitehouse, Dr. David; *Diamond Star Thrills Astronomers*; BBC News; <http://news.bbc.co.uk/1/hi/sci/tech/3492919.stm>; 16 February, 2004.
 - [4] T.S. Metcalfe, M.H. Montgomery, and A. Kanaan; *Cracking the Diamond*; American Astronomical Society; <http://www.aas.org/publications/baas/v35n5/aas203/181.htm>; 05 May 2004.
- Information gathered for educational purposes under the provisions of the "Fair Use Act of 1976."

WILLIAM HOLLAND SCHOOL UPDATE

SFMS: We regret to have to announce that two classes in our June session have to be canceled because of insufficient enrollment. The Seed Beading class taught by Jo Harrison and the Soap Stone Carving class instructed by Dave Tuttle are canceled.

Anyone wanting information about the availability of classes and lodge rooms please call or email Dana & Ray Gonzalez: Phone: 706-327-4474 Email: drg@mchsi.com.



ROCK STARZ SHINE

CORNELIA McDANIEL: Beginning with this newsletter issue, a new column has been established to provide a way to acknowledge club members' outstanding volunteer contributions. We begin this month by recognizing ALL the MAGS members who dedicated their efforts to make

the 2004 Mineral, Fossil and Jewelry Show an outstanding success. Our entire club received praise from customers and vendors for its performance of duties, providing services and enthusiastic display of teamwork and positive spirit. Thank you, MAGS, for all your hard work!

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AFMS NEWSLETTER AWARDS:

New Editor 7th-95 • Junior Article 3rd-98; 8th-03 • Special Pub 4th-03

SFMS NEWSLETTER AWARDS:

New Editor 1st-86 • New Editor 2nd-88, 97 • New Editor (Explorer) 4th-03

Certificate of Excellence-89, 90, 91, 92, 93 • Large Bulletin 1st-87

Small Bulletin 4th-03 • Special Publication 2nd-03 • Art-77, 80, 81, 82, 86 • Junior Article 1st-03

Adult Article-(2th) 89, 90; (3rd) 92; (4th) 85; (5th) 91, 03; (6th) 87; (Hon. Men.) 03

DUES:

Family-\$20.00

Single-\$16.00

Junior-\$8.00

Associate: \$13.00

The Memphis Archaeological and Geological Society's main purpose 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.

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MAGS Rockhound News
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MARK YOUR CALENDAR

Board Meeting
May 6

General Meeting
May 14

M³ Meeting
May 20

DMC Field Trip
May 22-23

MAGS Field Trip
May 22

