

A new copy of the  
February Newsletter with  
all computer problems  
fixed hopefully!!

In honor of the blizzard of  
'10 which wiped out our  
meeting night.



# DVESScapades

*escapades: interesting, stimulating, exciting activities and adventures*



## Delaware Valley Earth Science Society Newsletter



**Program:** Feb. meeting welcomes new member and first time presenter Lance Schnatterly, who will regale us with his daring tales of collecting in the Hell Creek Montana dinosaur formation. He will bring in his finds and show pics as well as describing the age and formation.



### President's Message- February 2010 by Grant Elliott

Alas, month number two in the "new administration" One wonders how long the grace period will last.

As we enter February of the new year, I want to remind everyone who has not remitted their annual dues that now is the time to pay up. These dues, which have not increased in the years I have been a member, are the day to day life blood of our organization. As stated in the beginning, welcome folks, to a new decade of adventure, learning, and exploration. ( See the Society information on page 6 for the dues structure on page 13 for a membership form. ED )

Also, mark your calendars for the always **spectacular STERLING SUPER DIGG** which will take place on **Saturday April 24th**. This field event, exclusively sponsored by our organization, is the one time of the year we can collect those rarities deep in the heart of the "Fluorescent Capital of the World". You **MUST** be a club member for insurance purposes. You can join on the spot **with photo ID**. Now is the time to make your plans and spread the word. More information as to particulars will be forthcoming.

Since DVESS now has a spiffy projector, we have started to build up our DVD/Video library for some future fascinating programs, which previously was impossible without audio/visual technology. ( These DVD are available for loan to our members as part of our building library. )

**February's program on Wednesday the 10th** will focus on the Hell Creek Formation, presented by fellow member Lance Schnatterly

. This is an intensely-studied division of Upper Cretaceous to lower Paleocene rocks in North America, named for exposures studied along Hell Creek, near Jordan, Montana. The Hell Creek Formation occurs in Montana and portions of North Dakota, South Dakota, and Wyoming. Commercial excavations bring Hell Creek fossils onto the market, usually dinosaur teeth, crocodylian osteoderm fragments, and dermal

### On The Inside

Pres Message	Pg 1
Coupons	Pg 8
Field trips	Pg 2
Jr Rockhounds	Pg 3
Up coming Events	Pg 4
Up coming Shows	Pg 4
Society info	Pg 6
Puzzles	Pgs 9&10
Membership form	Pg 13
only in CA	Pg 11

plates of fossil gars.

If anyone has fossils from this formation, please bring them in on February 10th for show and tell.

I look forward to seeing you all this month. Grant

(Check out the diagram of the formation of this area on last page

**FIELD TRIPS - IN ACCORDANCE WITH FEDERATION INSURANCE REGULATIONS, THE FOLLOWING FIELD TRIPS ARE ANNOUNCED:**

Each and every one of you is important in helping keep the lines of communication, education, and involvement alive, not only our club, but in the Federation as well. One place this teamwork can be seen is in the preparation for the **Sterling DIGG**, coming up in, April 2010. Many people have taken on tasks which together will make it possible for you to enjoy a collecting experience rockhounds in other parts of the globe can only dream of - night collecting in the Fluorescent Mineral Capitol of the world. See [www.uvworld.org](http://www.uvworld.org) For more info.

Being stuck indoors while it's raining or snowing is a great time to write an article for your newsletter. Your fellow club members, as well as your editor, will greatly appreciate your efforts. It doesn't have to be anything elaborate: your take on a field trip, a get-acquainted blurb about a new (or old) member, some thoughts on a mineral or fossil that you found while on vacation, or on research you've done on the internet.

Now is the time to think about the Spring sessions at Wildacres. More information can be found on the EFMLS website [www.amfed.org/efmls/wildacres.htm](http://www.amfed.org/efmls/wildacres.htm)

get involved, get active. Invite a friend to a meeting. Attend one of the upcoming shows. You'll get more out of life when you live it.

**Minutes of Our Jan Jr Rockhounder**

**Meeting:** We had two children at the Jan. meeting. They arrived at 7 pm and stayed until 9:30 pm. I started and startled the children and the parents with a BIG BANG, KABOOM, POP, BANG BANG. The universe has just been created (13.7 billion years ago) !!!

The parents, children, club member Eve Viskovich and myself spent the next 2 1/2 hours discussing the geological and

biological time period. There were numerous fossils for touching and examining, handouts to take home and reference materials for the meeting.

The Feb. meeting will be a continuation of this topic in anticipation of 4 more home schooled children coming to the meeting.

Mil LeCompte, our Jr Rockhounder Coordinator He can be reached at (856)783-0960 Or [RocksAndBadges@yahoo.com](mailto:RocksAndBadges@yahoo.com)

**Mark your calendar for Philadelphia Mineral Treasures And Fossil Fair's 30<sup>th</sup> Annual Show** and Sale sponsored by the Delaware Valley Paleontological Society and the Philadelphia Mineralogical Society. Check the DVPS website for more info.

Again this year – they will have several speakers talk about paleontology, geology and minerals. Dr. Ted Daeschler, Curator of Vertebrate Paleontology at The Academy of Natural Sciences will speak on The Nunavut Paleontology Expeditions: Late Devonian Fossils from the Canadian Arctic. For more information on Dr. Daeschler's research, you can go on the web to [http://clade.ansp.org/vert\\_zoology/people/daeschler/](http://clade.ansp.org/vert_zoology/people/daeschler/). Also, Dr. Lauck Ward, Curator Emeritus of the Virginia Museum of Natural History will speak about the stratigraphy and paleontology of the Atlantic Coastal Plain. The Show will be held at the Shriners LuLu Temple 5140 Butler Pike, Plymouth Meeting, PA 19462 For more information on the Show, please go to the DVPS website at <http://dvps.essentrix.net>

**New Jersey State Museum Paleo-Illustrations - March 14, 2010** 4pm; (60 min); General Audience; Auditorium; Free New Jersey native Larry Felder is one of the world's leading paleo artists, with much of his work featured in museums and books. He will be discussing the subjects of his art, as well as sharing many of his newest pieces.

**Space is limited. Reserve your seats early!**

**WHAT YOU NEED TO KNOW Free Admission - Free Parking, Museum Auditorium**

**Each lecture begins at 4pm. Light refreshments will be served.** For more information, or to make reservations, please call (609) 292-8594

## UPCOMING SHOWS

- March: 6 – 7: Annual Gem & Mineral Show and 60th Annual EFMLS Convention hosted by the Delaware Mineralogical Society. Delaware Technical College, Rts 58 & 7, Stanton, DE. *EFMLS Annual Meeting Friday, March 5.*
- Mar 19-20: 40th Annual Unifour Gem, Mineral, Fossil & Jewelry Show sponsored by the Catawba Valley Gem & Mineral Club. Metro Convention Center, Hickory, NC.
- Mar 26-28: 37th Annual Atlantic Micromounters Conference hosted by the Micromineralogists of the National Capital Area. MHA Conference Center, Elkridge, MD. Registration & Info: S. Weinberger, <cscrystals2@verizon.net>.
- Mar 27-28: 38th Annual Gem & Mineral Show sponsored by the Island Rockhounds. Holy Family School, 25 Fordam Av; Hicksville, NY.
- Mar 27-28: 41st Annual Che-Hanna Rock & Mineral Club Show sponsored by the Che-Hanna Rock & Mineral Club. Athens Twp. Volunteer Fire Hall, Sayre, PA
- April 10-11: 41st Annual New York Southern Tier Geology Club Show sponsored by the Southern Tier Geology Club. Johnson City Senior Citizen Center, Johnson City, NY

**MEMBERSHIP** Thank you to all of those who already renewed your membership for 2010 – this is a good start to the new year. Remember we run on a calendar year with no pro-rata. I would like to get filled out renewal forms for all renewals this year to put in a Membership Binder so I have current records for everyone. I have attached a renewal form with this issue of the DVESS Newsletter for that purpose, and I would appreciate all of you renewing, including those of you who have already renewed, but make sure I get a filled out Renewal form with current information. It can be copied and emailed to me at either of the e-mail addresses in the info box Thank you. CDC. Editor, DVESScapades

**NOTE** Come visit DVPS ( Delaware Valley Paleontological Society ) the 4<sup>th</sup> Thursday of the month at the Academy of Natural Sciences in Philadelphia, PA

**Paleopalooza** Saturday and Sunday, February 13 and 14

Get your fossil on! Paleopalooza is back and even bigger in 2010. Stop in to view rarely seen specimens from the Academy's collections, and talk with paleontologists to learn what it is like to reconstruct the past. There will be crafts, trilobite races, fossil hunts, guided tours, discussions, and more! Paleopalooza is free with admission.

Enjoy interactive activities and meet some of our live animals — all with the guidance of the Academy's experienced naturalists! Break to socialize and enjoy refreshments and snacks. Sleep next to lions, tigers, or *Tyrannosaurus rex*. Awake to a light breakfast and more exploration. Each child receives a participation patch.

Friends & Family Overnights are open to the public. These overnights are available on February

6, March 19, April 16 and May 22, and include our new **Survivor** program. Overnighers will investigate: How dinosaurs eat their lunches without becoming lunch themselves; Why animals have camouflage, spines, warning colors and more; How to become an excellent tracker as you travel through the museum on a scavenger hunt; Solve a puzzling challenge as a team!

Scouts and their families can have fun while completing requirements at our special Scout Overnights. See [Boy Scout Overnights](#) and [Girl Scout Overnights](#) for more information.

## All Overnights

**Time:** 6:30 pm to 9:00 am; Check-in is 6:30-7 pm.

**Ages:** Safari Overnights are appropriate for children ages 7-14. One adult is required per 3 children. No outside food or drink is permitted and extra large sleeping mattresses are discouraged.

**Reservations:** Call .

**Fees: Children:** \$35/child for members; \$40/child for non-members

**Adults:** \$30/adult for members; \$35/adult for non-members

A deposit of \$10 per person is due upon registration. The balance is due one month prior to the Safari Overnight date.

**Contact:** [http://www.ansp.org/activities/safari\\_overnight.php](http://www.ansp.org/activities/safari_overnight.php) And read the info at [http://www.ansp.org/activities/pdf/Safari\\_Overnight\\_Parents\\_Chaperones.pdf](http://www.ansp.org/activities/pdf/Safari_Overnight_Parents_Chaperones.pdf)

## Full Moon Lore

Many people think full moons cause strange behavior among animals and even humans. In fact several studies over the years have tried to tie lunar phases to births, heart attacks, deaths, suicides, violence, psychiatric hospital admissions and epileptic seizures, and more. Connections have been inclusive or nonexistent.

The moon does have some odd effects on our planet, and there are oodles of other amazing moon facts and misconceptions:

- \* A full moon at perigee also brings higher ocean tides. This tug of the moon on Earth also creates tides in the planet's crust, not just in the oceans.

- \* Beaches are more polluted during full moon, owing to the higher tides.

- \* In reality, there's no such thing as a full moon. The full moon occurs when the sun, Earth and the moon are all lined up, almost. If they're perfectly aligned, Earth casts a shadow on the moon and there's a total lunar eclipse. So during what we call a full moon, the moon's face is actually slightly

less than 100 percent illuminated. The moon is moving away as you read this, by about 1.6 inches (4 cm) a year.

The moon illusion

Finally, be sure to get out and see the full moon as it rises, right around sunset. Along the horizon, the moon tends to seem even bigger. This is just an illusion.

You can prove to yourself that this is an illusion. Taking a small object such as a pencil eraser, hold it at arm's length, and compare its size to that of the moon just as it rises. Then repeat the experiment later in the night and you'll see that the moon compares the same in both cases. Alternately, snap two photos of the moon, with a digital camera or your cell phone, when the moon is near the horizon and later when it's higher in the sky. Pull both photos up on your computer screen and make a side-by-side comparison.

Astronomers and psychologists agree the moon illusion is just that, but they don't agree on how to explain it.



**DVESS MEETING LOCATION : Centenary United Methodist Church, 151 South White Horse Pike, (route 30) in Berlin, 856-767-3881 or 856-767-7453**

**DIRECTIONS:**

**From Atco (west-bound)**, after the traffic light at Taunton Ave. (Rite Aid drugstore on the left), the church is about the 3rd building on the right; turn into the first driveway. If you miss it, pass by the church and turn Right onto Broad St. (at the Berlin Diner) then turn Right into the parking lot of the Baptist Church and go straight all the way - the parking lots of both churches connect.

**From Rt. 73 in Marlton:** head East (South) on Rt. 73. As you enter Berlin, you will pass Wal-Mart (on the left) and a shopping center (on the right) with Shop Rite and Staples. **Get into the Right "Exit Only" lane and follow the signs for Cross Keys Rd. At the intersection of Cross Keys Rd. and the White Horse Pike (Rt. 30) turn LEFT. At the next intersection (Broad St.) continue straight past the Berlin Diner and SPEEDY MART on your left; pass by 2 or 3 white storefronts on the left then see the big white church with red front doors on your left. Pass in front of the church and turn into the driveway on the far side. Education Building is behind the church.**

**From Lindenwold or Clementon on the White Horse Pike (east-bound):**

As you enter Berlin business district, you will pass through the traffic light at Cross Keys Rd. (CVS Pharmacy on right corner). Follow highlighted directions above.

**MEMBERSHIP INFORMATION**

Regular members are entitled to participate in all DVESS activities. Sponsoring members are entitled to the same plus a specially chosen mineral specimen. Dues are renewable each year in January. Membership rates for the Society:

**Regular Membership:**

\$15.00 for the 1<sup>st</sup> family member + \$5.00 for each additional family member

\$10.00 for the 1<sup>st</sup> Senior ( 65+ ) member + \$5.00 for each additional family member

**Sponsoring Memberships ( each additional family member - \$5.00 ):**

*"Silver"* \$50.00 for 1<sup>st</sup> family member - receive a Geode Specimen

*"Gold"* \$75.00 for 1<sup>st</sup> family member - receive a Native Gold Specimen

*"Platinum"* \$100 for 1<sup>st</sup> family member - receive a Premium Specimen

**SOCIETY INFORMATION**

The **Delaware Valley Earth Science Society, Inc.**, ( DVESS ), a non-profit organization, was founded in 1956 and incorporated in the state of New Jersey in 1957.

The Society:

- \* promotes interest , knowledge and the development of skills in the "earth sciences". These interests include mineralogy, paleontology, lapidary arts, archeology and local preservation.
- \* supports the conservation of natural resources, advocates the availability of collecting sites and maintains close contact with those in the academic field.
- \* is a member club of the Eastern Federation of Mineralogical and Lapidary Societies  
( <http://www.AmFed.org/EFMLS> )

**MEETINGS**

The Society meets the 2<sup>nd</sup> Wednesday of each month throughout the year at Centenary United Methodist Church, 151 South White Horse Pike, (route 30) in Berlin

**Anyone with info for the newsletter please share with me. You can be published!**

Stuff you did in school, on a trip etc., see my info below.

Editor's Notes: Editor is not responsible for authenticity of information in any articles submitted for publication. Nor are the opinions expressed in the "DVESScapades" necessarily those of the officers of the Delaware Valley Earth Science Society, Inc., and/or the editor.

To submit an article for publication in the DVESScapades contact the Newsletter Editor. [decuzzic@comcast.net](mailto:decuzzic@comcast.net), or Delaware Valley Earth Science Society Inc., DVESS, P O Box 372 Maple Shade, New Jersey 08052 or DVESS Website: <http://www.dvess.org> [garyskyrock@comcast.net](mailto:garyskyrock@comcast.net)

**Newsletter will go out solely by email (a major cost savings and quick delivery solution ),**

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.**
- I will keep informed on all laws, regulations of rules governing collecting on public lands and will observe them.**
- I will to the best of my ability, ascertain the boundary lines of property on which I plan to collect.**
- I will use no firearms or blasting material in collecting areas.**
- I will cause no willful damage to property of any kind - fences, signs, buildings.**
- I will leave all gates as found.**
- I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.**
- I will discard no burning material - matches, cigarettes, etc.**
- I will fill all excavation holes which may be dangerous to livestock.**
- I will not contaminate wells, creeks or other water supply.**
- I will cause no willful damage to collecting material and will take home only what I can reasonably use.**
- I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.**
- I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.**
- I will cooperate with field trip leaders and those in designated authority in all collecting areas.**
- I will report to my club or Federation officers, Bureau of Land management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.**
- I will appreciate and protect our heritage of natural resources.**
- I will observe the "Golden Rule", will use "Good Outdoor Manners" and will at all times conduct myself in a manner which will add to the stature and Public "image" of rockhounds everywhere.**

<b><i>DVESS Directory 2010</i></b>	<b>President     Grant Elliott 856-728-1731 <a href="mailto:gle@verizon.net">gle@verizon.net</a></b>
<b>1<sup>st</sup> Vice President     Lou Detofsky "Doc Rock"</b>	<b>2<sup>nd</sup> Vice President     Jonathan Feigin</b>
<b>Jr. Rockhound Coordinator     Mel LeCompte 856-783-0969 <a href="mailto:works-in-faith@comcast.net">works-in-faith@comcast.net</a></b>	<b>Recording Secretary     Richard Murray <a href="mailto:bearich@snip.net">bearich@snip.net</a></b>
<b>Website Coordinator     Terry Wilson 609-714-1309     <a href="mailto:terry@dveess.org">terry@dveess.org</a></b>	<b>Special Events Coordinator     Ann Lynne Benson     856-783-0969 <a href="mailto:SeleniteQueen@gmail.com">SeleniteQueen@gmail.com</a></b>
<b>Treasurer, Program Chair     Gary Weinstein 856-234-0708 - home 856-795-5077 - work <a href="mailto:garyskyrock@hotmail.com">garyskyrock@hotmail.com</a></b>	<b>DVESS Newsletter Editor, Membership Chair Carol De Cuzzi 856-428-0621 - home <a href="mailto:decuzzic@comcast.net">decuzzic@comcast.net</a> or <a href="mailto:DVESS@int-pro.com">DVESS@int-pro.com</a></b>



## 46th ANNUAL GEM-MINERAL-FOSSIL SHOW

### MONTGOMERY COUNTY FAIRGROUNDS

**MAR. 20 & MAR. 21, 2010**  
**SAT. 10 AM-5 PM, SUN. 10 AM-5 PM**

Presented by the Gem, Lapidary, &  
Mineral Society of Mont. Co., MD.



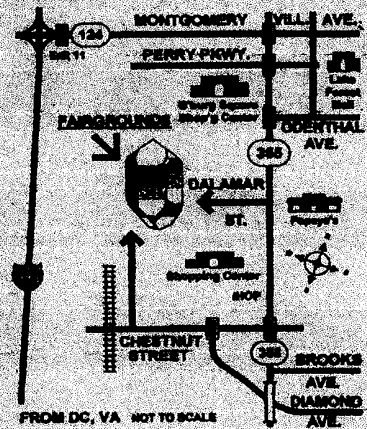
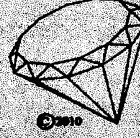
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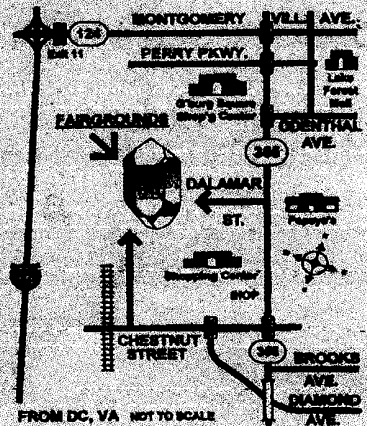
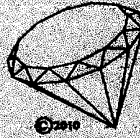
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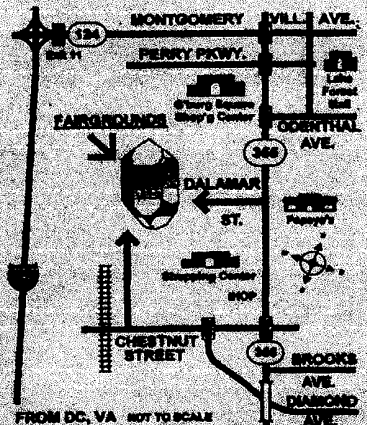
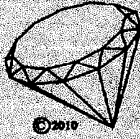
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The above page can be printed out as many times as you want and used for the event. Courtesy of the Gem, Lapidary and Mineral Society of Montgomery Co. Maryland for more info [WWW.GLMSMC.com](http://WWW.GLMSMC.com)





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DESCLOIZITE	FLUORITE
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DUMORTIERITE	GYP SUM
EMERY	HORNEBLENDE
ENARGITE	HYDROZINCITE
ENSTATITE	ILMENITE
EPIDOTE	JADE
EPSOMITE	LEAD
EUDIALYTE	TALC
EUXENITE	ULEXITE
FELDSPAR	WAD

**Only in California:** <http://www.nytimes.com/2010/01/30/science/space/30moon.html?hp>

To California, Moon Junk Is State Treasure  
By Jesse McKinley Published: January 29, 2010

SAN FRANCISCO - In one small step for preservation and one giant leap of logic, the official historical commission of California voted Friday to protect two small urine collection devices, four space-sickness bags and dozens of other pieces of detritus, all currently residing nearly a quarter of a million miles from the state.

This is not a joke. I repeat, Houston, not a joke.

Saying it wanted to raise awareness of both the state's cosmic contribution to the Apollo 11 moon mission and the potential threats from lunar interlopers, the California State Historical Resources Commission voted unanimously to designate more than 100 pieces of space trash, scientific apparatus and commemorative tokens to its list of protected resources.

Milford Wayne Donaldson, the state historic preservation officer, said the reasoning behind the first-of-its-kind designation was simple: Scores of California companies worked on the Apollo mission, and much of their handiwork remains of major historical value to the state, regardless of where it is now or what it was for used for then.

"It has a significance that goes way further than whether it came from a quarter million miles away or not," Mr. Donaldson said. "They are all parts of the event."

While Apollo 11 was indeed a landmark mission - during which Neil A. Armstrong became the first man to walk on the moon and he and Buzz Aldrin apparently ditched their boots - it wasn't exactly tidy. Worried about the weight of their landing capsule, the harried lunar explorers left behind tons of trash, including empty food bags, electrical equipment and, yes, several receptacles meant for bodily waste.

There is also a collection of artifacts of historical note and emotion: Mr. Armstrong's footprint, for example, and an American flag. Apollo 11 also left behind a mission patch from Apollo 1, in which three

astronauts died in a fire, and a message from world leaders.

And while some of the garbage might seem like, well, garbage, California is just one of several states seeking protection for the items in the face of possible lunar missions by other nations as well as a budding space tourism industry.

In New Mexico, home to early Apollo test sites like the White Sands Missile Range, a similar measure is expected to be considered by the state's cultural properties review committee in April.

Beth O'Leary, an assistant professor of anthropology at New Mexico State University and an expert in "lunar archeology," said she had screamed with delight when she heard the news from California. But she admitted that persuading people to safeguard Apollo's space junk was often a challenge, if only because it is on - you know - the moon.

"I don't think anyone argues with it being a major event in the history for humanity, right up there with the invention of fire," Ms. O'Leary said. "But people don't tend to think of it as something we need to be protecting."

So for the last decade, she and other historians and archeologists have been pushing for protection through their Lunar Legacy Project, which has an inventory of items left behind at Tranquility Base where the astronauts landed in July 1969, including a plaque spelling out exactly who made the mess.

"Here men from the planet Earth first set foot upon the Moon," it reads. "We came in peace for all mankind."

Mr. Donaldson said he hoped his commission's vote might help goad the United Nations Educational Scientific and Cultural Organization into placing the landing site on the World Heritage List, an international compilation of famed landmarks.

"I think there's a threat from private companies," Mr. Donaldson said. "And with today's technology, they could probably pinpoint this."



That said, Mr. Donaldson admitted that there were no "space cops" available to safeguard the state's newest historical resource. But, like the Apollo astronauts themselves, he seemed optimistic that

Friday's vote might lead to bigger and better things.

"Hopefully," he said, "this will take off."  
From the DVPS Newsletter V33 I5 page 8

This message is being passed along to the DVPS and the DVESS membership as a courtesy. DVPS and DVESS have no official stance on this petition.

In a last ditch effort to save the remaining section of the former UBC Quarry in West Patterson, NJ, I am passing a petition around to everyone to read and sign. We only have a few months left to get support by the Passaic County Parks Commission and the State of New Jersey. They are requesting at minimum a thousand signatures to be submitted with any requests for preservation of the site. Please sign the petition and pass it along to as many people as you know. Especially museums, fossil enthusiasts, universities, public institutions, friends, etc. The more the better. Please view the petition link below.

Sincerely and thankfully, John McCauley, Rutherford, NJ [strataman4@aol.com](mailto:strataman4@aol.com) Or go to <http://gopetition.com/online/32326.html>

WARNING: TRESPASSING ON THE UBC QUARRY/DEVELOPMENT PROPERTY IS STRICTLY PROHIBITED AND VIOLATORS HAVE BEEN ARRESTED!!! ROCK OR FOSSIL COLLECTING IS PROHIBITED. PLEASE COMPLY WITH THE OWNERS NO TRES-PASSING REQUEST SO WE CAN CONTINUE TO BUILD A WORKABLE RELATIONSHIP TO SAVE THE DINOSAUR TRACKS. THANK YOU!!

Bill Shankle Editor of DVPS Newsletter and Carol De Cuzzi Editor of DVESS Newsletter

Membership Form start w/ first family member (head of family)

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_  
State: \_\_\_\_\_ ZIP+4: \_\_\_\_\_  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
Cell Phone: \_\_\_\_\_ Profession, School or Major Work \_\_\_\_\_  
Okay to let other members see your email and other orange-starred information(on website)? \_\_\_\_\_  
Newsletter Delivery **ONLY** via e-mail \_\_\_\_\_  
Email \_\_\_\_\_

Type of membership **Regular Membership:**  
\$15.00 for the 1<sup>st</sup> family member + \$5.00 for each additional family member  
\$10.00 for the 1<sup>st</sup> Senior ( 65+ ) member + \$5.00 for each additional family member

additional family members to be registered w/ above member  
First Name: \_\_\_\_\_  
Last Name (only if different from above) \_\_\_\_\_

Dues are collected on a calendar year Jan to Dec, no pro-rata rates

First Name: \_\_\_\_\_  
Last Name (only if different from above) \_\_\_\_\_

additional family members to be registered w/ above member

First Name: \_\_\_\_\_  
Last Name (only if different from above) \_\_\_\_\_

Last Name (only if different from above) \_\_\_\_\_

additional members on another paper if needed

**Sponsoring Memberships ( each additional family member - \$5.00 ):**

*"Silver"* \$50.00 for 1<sup>st</sup> family member - receive a Geode Specimen

*"Gold"* \$75.00 for 1<sup>st</sup> family member - receive a Native Gold Specimen

*"Platinum"* \$100 for 1<sup>st</sup> family member - receive a Premium Specimen

Interests: Minerals \_\_\_\_ Fossils \_\_\_\_ Lapidary \_\_\_\_ Collecting \_\_\_\_ Museum Trips \_\_\_\_  
Trotter \_\_\_\_ Sterling Hill \_\_\_\_ other, please list \_\_\_\_\_

How did you learn of DVESS? \_\_\_\_\_

Other clubs you belong to \_\_\_\_\_

Comments \_\_\_\_\_

What NON-DVESS interests or hobbies do you have? Would you be willing to share with our members? \_\_\_\_\_

**Delaware Valley Earth Science Society, Inc. ( DVESS )**  
P.O. Box 372  
Maple Shade, N.J. 08052  
DVESS Website : <http://www.dvess.org>

**RETURN SERVICE REQUESTED**

