

DVESScapades

escapades: interesting, stimulating, exciting activities and adventures



Delaware Valley Earth Science Society Newsletter

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



Meeting: December 14, 2011 Program: Club Christmas Party/Gift Exchange

President's Message: DECEMBER 2011 by AnnLynne Benson

IMAGINE MY SURPRISE as I was driving on Woodbury-Glassboro Road in Sewell, NJ, looking for the entrance road to Inversand Marl Pit – our favorite local fossil depository - and all I saw was the entrance road to a Home Depot (or some such establishment)! Curious, I made a U turn and went back to see if I could discover the road to Inversand. I found it confusingly close to the Home Depot driveway, but missing the “Inversand” sign which used to mark the entrance.

I drove down the road and saw the building which I remembered, but no sign of vehicles or activity. As it was a Saturday, I assume they were closed for the day (if not altogether). There was a “spoils pile” which looked tempting, but it was surrounded by a moat and as I had no boots with me (darn!) surreptitious collecting was out of the question. At a recent Executive Board meeting we had discussed calling there to set a collecting date; possibly that will happen.

MY OWN FASCINATION with minerals and fossils began as a child when my grandmother gave me a box from the Smithsonian which contained both. I was amazed, and held the fossil gently, sadly certain that every fossil, everywhere in the world, had already been dug up and there were none left to discover. My other grandmother gave me some pieces of agate; here was something beautiful that grew, but was not alive. Incredible! And our sidewalks in West Oak Lane (Philadelphia) sparkled with mica.

MY PASSION for earth science began with my father taking me on vacation every summer and seeing everything worth seeing between (and including) Hannibal, Missouri and San Francisco – every national and state park, the painted desert, the petrified forest, the Vermillion Cliffs, Dinosaur National Monument, Cathedral Valley and Goblin Valley in Utah, and quite a bit of Rt. 66, etc. How could anyone not stand in awe of such natural wonders!!

MY CLUB SERVICE includes having been elected first woman president of DVESS, several terms as vice-president, field trip chair, program speaker, and newsletter editor. My husband Mel, who didn't know a rock from a mineral from a fossil when I “re-met” him 11 years ago (long story), teaches the Junior Rockhounds program in two rock clubs. And while other couples have a “Recreation Room” in their basement, we have a “Rockreation Room.” “*We Will Rock You*” by Queen is our theme song.

A TRIP TO GARY'S GEM GARDEN was the turning point in my life between fascination and participation. From now until Christmas, Gary's will have extended holiday hours - 10 to 8 during the

week, Saturday 10 to 6, and Sunday 11 to 4. His website (www.GarysGemGarden.com) has a coupon for 30% off, and he's offering a 20% discount on a brand new line of pearl and gemstone jewelry and regular stock items over \$25.00. Treat yourself to this "museum" of gems, minerals and fossils and maybe you, too, will come away with an avid desire for the field trips, quality programs, and friendship with fellow rockhounds offered by membership in DVESS!

Minutes of November General Meeting By Grant Elliott, Recording Secretary

Meeting was held at Centenary UM Church in Berlin, NJ.

Attendance: Gary Weinstein- Treasurer/Program Chair, AnnLynne Benson- Acting President/1st VP/Special Events Coordinator, Grant Elliott- Recording Secretary, and Mil LeCompte- Jr Rockhound Coordinator (After taking care of a tick in the hospital emergency room). Others present included , Mark Leifert, Lance Schnatterly, Evelyn Vickovich, Meredith Taylor, Susan Moore, Robert Bartose, Robert & Sally Todd, Don Miller (Speaker), Gerald Feigin, and Sue Vancola.

Ann gaveled the meeting to order at approximately 8:10pm.

Don Miller presented an interesting program on Fossil Elephants.

Future Programs:

December- Xmas party/Gift Exchange (\$10.00 or less)/Election of Officers/Covered Dish Food

2012- Dick Bostwick, Derek Yoost, John Sanfacon, Randy Lyons among the possible speakers. A meeting at Rowan's planetarium is also in the works.

There will be a special meeting event of the Delaware Valley Earth Sciences Society (DVESS) on Tuesday, November 22nd. Starting at 7:30PM, paleontologist Walter Stein (a former native of Maple Shade, NJ) will be presenting on the dinosaurs of the Upper Cretaceous, Hell Creek Formation, of the Northern Black hills in South Dakota. Additionally, Walter runs a commercial paleontological company, PaleoAdventures (PaleoAdventures.com) out of Belle Fourche, South Dakota, and on display will be fossil material from his digs.

Walter Stein's bio: Walter is a professional vertebrate paleontologist and dinosaur hunter who has discovered, excavated, or prepared over 25 dinosaur skeletons and numerous isolated fossils over the last 15 years. One of Walter's most famous discoveries is the skeleton of "Sir William" a juvenile Tyrannosaurus skeleton collected in Petroleum County, Montana. Sir William is named after Walter and Heather's young son William. Walter is a graduate of Appalachian State University (BS Geology, 1994), is former president of the Big Horn Basin Foundation, Staff Geologist/paleotechnician at the Wyoming Dinosaur Center, Field Collections Manager for Triebold Paleontology Inc. and Curator for the Rocky Mountain Dinosaur Resource Center. For the last three years he has been working closely with the AAPS (Association of Applied Paleontological Sciences), as chairman of their new "Journal of Paleontological Sciences". He is also the author of the book, "So You Want To Dig Dinosaurs; A Field Manual on the Practice, Principles, and Politics of Vertebrate Paleontology, published back in 2002 and "The Top 256 Rules of Paleontology" published in 2009.

Other Business:

Election of officers (December). Preliminary line up include Ann- President, Grant- Recording Secretary (Val- Backup Secretary), Gary- Treasurer, Mark- 1st VP, and Lou Detofsky- 2nd VP.

Gerald to mentor the “senior” Junior Rockhounds (14-18 years of age) and Mil to teach the “juniors” (8-13 years of age).

Sue Vancla mentioned collecting at the C&D Canal, Odessa, Delaware the Sunday after Thanksgiving as an interesting field trip.

Gary informed the group of Lithographic’s upcoming hardback book on “Collecting Arizona-State of Mines, Legacy of Minerals”. If enough people are interested, he can order it at a discount. Granite Run Mall has an upcoming Dinosaur exhibit. Possible field trip in spring 2012. On 11/22/2011, there will be a special Paleo presentation.

Church News-

April 2, 2012 Washington DC bus trip- \$60 bus/dinner/tip. 51 people so far.

Exec on November 16, 2011 at Lou Detofsky’s house. December’s Exec at Gary’s shop.

Meeting concluded at approximately 9:45pm. Gary, Grant, Ann, and Mil repasted at the Palace Diner thereafter.

BUS TRIP to Washington, D.C. – Saturday, April 21, 2012 – Leaving from Centenary United Methodist Church, 149 South White Horse Pike, Berlin, NJ 08009 at 7:15 am and returning around 11 pm. You’ll have plenty of time to see museums and sights during the day and there will be drive-around tours in the morning and evening; lunch is on your own but dinner is included! Only \$60. !! Checks can be made payable to Centenary United Methodist Church, c/o Ann Benson, 59 Cedar Lane, Clementon, NJ 08021-3875. For more information call Ann at 856-783-0969.

WILDACRES WORKSHOP SCHOLARSHIPS – In celebration of the 40th Anniversary of EFMLS Workshops at Wildacres Retreat, two scholarships are being offered - one for the spring and one for the fall session. Criteria for consideration will include active membership in an EFMLS member club, completion of an application form, and never having previously attended an EFMLS Wildacres Workshop. To find out more about the location, see <http://www.wildacres.org>; to find out more about the workshops, see <http://www.amfed.org/efmls/wildacres.htm>.

Wildacres is situated on 1600 acres at an elevation of 3,300 feet atop a mountain near the Blue Ridge Parkway in Little Switzerland, North Carolina. This year’s sessions (7 days) cost \$350 per person including room, board and classroom instruction (plus a nominal fee to cover materials and supplies); completed projects can be taken home with you. The week at Wildacres is divided into two parts or “semesters”. Students take one class lasting either the full week (4-days) or two different classes lasting 2-days each. The day between “semesters” is a day set aside to allow participants to explore the region and just relax. It doesn’t get any better than that!!

CLUB BROCHURES – Please pick up one or two yellow club brochures and have them on hand in your vehicle or handbag to give out to folks. If you see a parent and child, strike up a conversation by asking, “Does your child like rocks or dinosaurs?” Offer them a club brochure; if they’re not from our area, addresses and websites for the American Federation are on the back of the brochure. Your small gesture may make a world of difference to that child, his/her family, and to our club. New folks, especially kids, are the lifeblood of every club! If we want this club to continue providing us with speakers, activities and lots of fun, we MUST invest just a little bit of effort to get the word out.

GEMARAMA – If you get this newsletter in time, be sure to attend the Tuscarora Lapidary Society’s 42nd Annual show “Out of Arica” at the Church Farm School in Exton, PA, Nov. 5 and 6. See www.Lapidary.org for a discount coupon.

Mark your calendar for next year - the Delaware Mineralogical Society’s 49th Annual Earth Science Gem & Mineral Show at Delaware Technical & Community College, I-95, Exit 4B, Churchmans Rd (Rt

58) in Newark (Stanton), DE will be held March 3 & 4, 2012.

The current issue of EFMLS News is available at <http://www.amfed.org/efmls/efnov.11web.pdf>.

QUOTE OF THE MONTH: "You may be dis-appointed if you fail, but you are doomed if you don't try."

It is with regret, but a necessity, that I must announce my resignation from the editorship of the news letter. On Nov 19th Peter began acting strangely at my craft fair. I packed up early, took him to the emergency room. It was determined that he has a brain growth/mass and was rushed to Capital Health neuro ICU.

It has been determined that he needs 30 radiation/chemo treatments (that is daily, from 12/19 thru 01/31/12) but, I can not leave him alone. I have quit my jobs tutoring and MSP at the Franklin Institute for the near future..

Some one else will have to step up. This is my last letter for now... Carol please keep Peter in your prayers.

JUNIOR ROCKHOUNDS

Mel and Gerald will each have a class: ages 8 to 13 with Mel and 14 to 18 with Gerald. Each class is limited to 10 kids.

December is our annual holiday party/ gift exchange and election of next years officers. The club will supply a cold cut platter, rolls, etc., coffee, tea and sodas. We would ask that members please bring a covered dish, salad item or desert to share to round out the festive fare. Bring a wrapped gift (suggested value about \$10.00) and receive another surprise in return. (Should be hobby related).

Election of next years officers: Yes it is that time again. The selection committee has opened the floor for nominations and volunteers to help run the club in the future. So far the slate of persons running (read "Coerced") is; President- Ann Benson; 1st V.P.- Mark Leipert; 2nd V.P.- Lou Detofsky; Secretary- Grant Elliot; Treasurer- Gary Weinstein

We are thankful to Mark for stepping forward this year as all the other officers above have served many terms in the past and we need some new blood to step up occasionally. Also thanks go to Val Korsniak who volunteered to be back up Secretary or as we like to call it "scribe in waiting".



Discover Magazine Bad Astronomy | **How Not to Market Science to Girls**

These pink science kits for girls are pretty outrageous: Mystic Crystals, Beauty Spa Lab, Luxury Soap Lab, Perfect Perfume Lab. Really!?

For your further travel pleasure, consider the following fun places to go...

- Dec 15** Fairless Hills, PA – Leidy Microscopical Society Regular Meeting at the Northminster Presbyterian Church 7:30 PM. The program will be a swap & sell & silent auction. Members are requested to bring in a holiday dish as well as items for the silent auction. Everyone is welcome.
- Jan 28, 2012 New Brunswick, NJ** – Rutgers University Geology Department open house – mineral sales and lectures. Details will be in the January Rock Chatter.
- Mar 3-4 Newark (Stanton), DE** - 49th Annual Earth Science Gem & Mineral Show sponsored by the Delaware Mineralogical Society. Delaware Technical & Community College, I-95, Exit 4B, Churchmans Rd (Rt 58); Newark (Stanton), DE.
- Mar 9–11 Augusta, GA** - 24th Annual Aiken-Augusta Gem, Mineral & Fossil Show jointly sponsored by the Aiken Gem, Mineral & Fossil Society and the Augusta Gem & Mineral Society. Julian Smith Casino, 2200 Broad St; Augusta, GA.
- Mar 10-11 Clifton, NJ** - 23rd Annual North Jersey Gem & Mineral Show sponsored by the North Jersey Mineralogical Society. Pope John Paul II Center; Clifton, NJ.
- Mar 16–18 Hickory, NC** - 42nd Annual Unifour Gem, Mineral, Bead, Fossil & Jewelry Show sponsored by the Catawba Valley Gem & Mineral Club. Hickory Metro Convention Center, 1-40, Exit 125; Hickory, NC.
- Mar 24-25 Sayre, PA** - The 43rd Annual Che-Hanna Rock & Mineral Club Rock & Mineral Club show will be held on March 24 (9-5) and March 25 (10-5) at the Athens Twp. Vol. Fire Hall, 211 Herrick Ave., Sayre, PA. The club will be celebrating their 50 th Anniversary and will have special displays and activities commemorating the event. Donation admission is adults \$3.00, students \$1.00, kids under 8 free. Contact Bob McGuire 570-928-9238 Check the website www.chehannarocks.com
- Mar 19-22 Rochester (Henrietta) NY** - 39th Rochester Mineralogical Symposium. Raddison Hotel, Jefferson Rd. Contact Dan Imel, lapidry@aol.com.
- April 21, 2012 - Washington, DC** – The Centenary United Methodist Church, 149 South White Horse Pike, Berlin, NJ 08009 will sponsor a bus trip to Washington, DC. This will be a drop-off and pick-up trip (not a tour). There will be a stop for dinner (at your own expense) on the way home. Checks can be made payable to Centenary United Methodist Church, c/o Ann Benson, 59 Cedar Lane, Clementon, NJ 08021-3875. For more information contact club member Ann Benson Phone: 856-783-0969.

80beats | Americans Heavier Than Ever, But Most Still Say Their Weight Is "About Right"
(from Discover Magazine week's Highlights)

A Gallup poll reports that on average Americans weigh almost 20 pounds more than they did in 1990. And most of us--62 percent--are already overweight or obese. But that doesn't mean we're ready to come right out and admit it, at least not to a telephone pollster.



Are The Rare Earth Elements Really Rare? By Ralph Thomas

John Sanfaçon from Morristown, New Jersey, as usual, brought us another one of his fabulous Power Point programs – this time on the "Rare Earth Elements" that appear as the appendage on the periodic table. These 17 oxides, so important in the high-tech electronics industry, are abundant enough it's just that they are concentrated in a very few localities. Most of the worlds supply of rare earths, for example the lanthanides, come from bastnesite, a mineral found in igneous carbonate rock. At one time America had the largest output; now China produces 97% of the worlds rare earths helped by its lower labor costs.

One of the most critical rare earth is neodymium a perfect magnetic material when combined with boron and iron to form high-strength magnets for hybrid cars. John indicated that Afghanistan is sitting on a deposit of rare earths comparable to the premier site mined in China.

In addition to other minerals discovered such as gold, copper, lithium, tungsten and others could make the country one of the most important mining regions on earth! These look-alike, unattractive elements that have absolutely no significance in the plant and animal kingdom conversely are remarkable minerals that are crucial to high-tech manufacturing.

The highlight was when John called the audience to his marvelous display table where he demonstrated various properties of the rare earth elements including radioactivity, fluorescence and magnetism.

We applaud John for providing all the informative handouts and for teaching us about an important and timely subject.



The debate over what makes us human touches on many topics, but one of the most fascinating is that we, apparently alone among the animals, can teach.

RARE-EARTH ELEMENTS

| | |
|----------------|---|
| Scandium – | Aerospace components, aluminum alloys |
| Yttrium – | Lasers, TV and computer displays, microwave filters |
| Lanthanum – | Oil refining, hybrid-car batteries, camera lenses |
| Cerium – | Catalytic converters, oil refining, glass-lens production |
| Praseodymium – | Aircraft engines, carbon arc lights |
| Neodymium – | Computer hard drives, cell phones, high-power magnets |
| Promethium – | Portable x-ray machines, nuclear batteries |
| Samarium – | High-power magnets, ethanol, PCB cleansers |
| Europium – | TV and computer displays, lasers, optical electronics |
| Gadolinium – | Cancer therapy, MRI contrast agent |
| Terbium – | Solid-state electronics, sonar systems |
| Dysprosium – | Lasers, nuclear-reactor control rods, high-power magnets |
| Holmium – | High-power magnets, lasers |
| Erbium – | Fiber optics, nuclear-reactor control rods |
| Thulium – | X-ray machines, superconductors |
| Ytterbium – | Portable x-ray machines, lasers |
| Lutetium – | Chemical processing, LED lightbulbs |

Minerals Found in Bucks County By Thomas Pallanta, Jr.

Years ago, when I was still a new member of the Rock and Mineral Club of Lower Bucks County, I often heard senior members of the club lament that there were few minerals to be found in Bucks County. For quite a few years, I too held this opinion. But after 1997, I found myself with a lot of time on my hands. So, I obtained some geology textbooks and started on an in depth study of the science.

Along the way, I devised projects to test my new knowledge. One such project was the obtaining a number of old geology reports on the local tri-county area. My studies revealed that some forty-seven minerals have been found in Bucks County.

With this information in hand, and advice from some senior club members, I started to search for as many of these materials as I could find. Since then, I have found some twenty minerals. Several of them were found with the help of Eric Brosius.

None of these discoveries have resulted in any high-class cabinet specimens. Still, several finds, like labradorite crystals and piezo-electric quartz were surprising. A few other surprises came in the form of materials found in unexpected locations. All of this goes to prove that you'll never know what's under your feet; unless you go looking.

Minerals found in the Langhorne, PA vicinity

- | | |
|----------------------|--------------------------|
| 1. Almandine Garnets | 11. Jasper |
| 2. Antigorite | 12. Labradorite |
| 3. Biotite Mica | 13. Limonite |
| 4. Calcite | 14. Magnetite |
| 5. Galena | 15. Malachite |
| 6. Graphite | 16. Muscovite Mica |
| 7. Hornblende | 17. Plagioclase Feldspar |
| 8. Illmanite | |

Use this link to Discover Magazine's article, enjoy!

[20 Things You Didn't Know About... The Periodic Table](#)

How it started, how it's like solitaire, how to fold it, how to weight its elements, and how it ends.

DVESS MEETING LOCATION :

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 1st family member + \$5.00 for each additional family member

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

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

"Silver" \$50.00 for 1st family member - receive a Geode Specimen

"Gold" \$75.00 for 1st family member - receive a Native Gold Specimen

"Platinum" \$100 for 1st 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 2nd Wednesday of each month throughout the year at Centenary United Methodist Church, 151 South White Horse Pike, (route 30) in Berlin. Junior Rockhounds meet at 7:30pm with the regular meeting beginning around 8 pm.

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 (next page).

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.

AFMS CODE OF ETHICS (American Federation of Mineralogical Societies)

- 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.

| | |
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| <u>DVESS Directory 2011</u> | <u>President</u> <u>Ann Lynne Benson</u> <u>see next box for info</u> |
| <u>1st Vice President</u> <u>Ann Lynne Benson</u> <u>856-783-0969</u> <u>SeleniteQueen@gmail.com</u> | <u>2nd Vice President</u> |
| <u>Jr. Rockhound Coordinator</u> <u>Mel LeCompte</u> <u>856-783-0969</u> <u>works-in-faith@comcast.net</u> | <u>Recording Secretary</u> <u>Grant Elliott</u> <u>856-728-1731</u> <u>gle@verizon.net</u> |
| <u>Website Coordinator</u> <u>Terry Wilson</u> <u>609-714-1309</u> <u>terry@dveess.org</u> | <u>Special Events Coordinator</u> <u>Ann Lynne Benson</u> <u>856-783-0969</u> <u>SeleniteQueen@gmail.com</u> |
| <u>Treasurer and Program Chair</u> <u>Gary Weinstein</u> <u>856-234-0708 - home</u> <u>856-795-5077 - wk</u> <u>garyskyrock@hotmail.com</u> | <u>DVESS Newsletter Editor, Membership Chair</u> <u>Carol De Cuzzi</u> <u>856-428-0621 - home</u> <u>decuzzic@comcast.net or DVESS@int-pro.com</u> |

Membership Form

Start w/ first family member (designated as head of family) Juniors must have an adult head of family with the Junior as the additional family member for insurance purposes.

First Name: _____

Last Name: _____

Address: _____

City: _____

State: _____

ZIP+4 _____

Phone: _____

Email: _____

Cell Phone: _____

Profession, School or Major Work

Okay to let other members of the Club see your email and other orange-starred information (on website)?

Okay to share _____

Do NOT share _____

Newsletter Delivery ONLY via e-mail

additional family members to be registered w/ above member

Type of membership Regular Membership:
\$15.00 for the 1st family member + \$5.00 for each additional family member
\$10.00 for the 1st Senior (65+) member + \$5.00 for each additional family member
Dues are collected on a calendar year Jan to Dec, no pro-rata rates
additional members on another paper if needed

First Name: _____

Last Name (only if different from above)

First Name: _____

Last Name (only if different from above)

First Name: _____

Last Name (only if different from above)

Sponsoring Memberships (each additional family member - \$5.00):
"Silver" \$50.00 for 1st family member - receive a Geode Specimen
"Gold" \$75.00 for 1st family member - receive a Native Gold Specimen
"Platinum" \$100 for 1st 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? _____

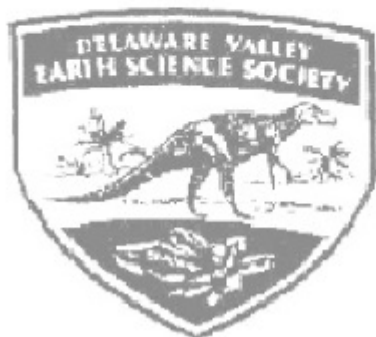
Comments _____

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

What would you like the club to do or provide for you? _____

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



8/15/2011

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MICROMOUNT SOLAR
 DELAWARE SUNSPOTS
 VALLEY CODE
 EARTH ETHICS
 SCIENCE ESCAPADES
 SOCIETY INTERESTING
 NEWSLETTER STIMULATING
 UNDERGROUND EXCITING
 ACTIVITIES ADVENTURE
 WORKSHOP RHODONITE
 PRICELESS PINK
 DIGITAL ROSE
 SHOTS INCLUSIONS
 RHODOCHROSITE BANDING
 MANGANESE LACE
 CARBONATE SILICATE