

Meeting Place: Training Room, Linden Hall,
Rowan University 201 Mullica Hill Rd., Glassboro,
New Jersey
Meeting Time: 7:30 PM, 2nd Wednesday of each
month (except July and August)
Meeting Date: **March 14, 2007**



Main Program

**Dr. Phillip Betancourt
will present a never
before seen lecture on
Mont St. Hillaire.**

Junior Rockhounds

**The Juniors will be
studying radioactive
minerals**

DVESS and The Sterling Hill Mining Museum

Will be offering a special day and night of collecting

April 28, 2007 9AM till 11PM

**\$20 per person includes a tour of the mine and other areas not normally open to the public plus
collecting late into the night (\$1.50 per pound fee applies)**

Visit www.uvworld.org for additional details



American Federation
of
Mineralogical Societies



Eastern Federation
of
Mineralogical & Lapidary Societies



Special Congress
Representing
Involved Bulletin Editors

DVESSCAPADES

Newsletter of the Delaware Valley Earth Science Society – DVESS

BACKGROUND

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. The Society supports the conservation of natural resources, advocates the availability of collecting sites, and maintains close contact with those in the academic field.

MEETINGS

The Society meets the 2nd Wednesday of each month from September through June, at Rowan University, Linden Hall, Glassboro, New Jersey. At 7:30 PM members meet to socialize, view displays, sign the registry and receive a door-prize ticket, toward a specially chosen specimen. Meetings start promptly at 8:00 PM and include the evening’s program followed by the monthly business meeting, concluding around 10:00 PM. Meetings are open to the general public.

MEMBERSHIP

See the Membership Chairperson for an application for membership in the Society. Regular memberships are entitled to participate in all DVESS activities and to receive a newsletter when published. Sponsoring memberships are entitled to all of the above plus a specially chosen mineral specimen. Membership rates for the Society are:

Regular Membership

\$15.00 for the 1st family member + \$5.00 for each family member
\$10.00 for the 1st Senior (65+) member + \$5.00 for each family member
\$10.00 for Students with College ID

Sponsoring Membership

<u>Level</u>	<u>1st Member</u>	+	<u>Additional Members</u>	=	<u>Receive</u>
“Silver”	\$50.00	+	\$5.00	=	Geode Specimen
“Gold”	\$75.00	+	\$5.00	=	Native Gold Specimen
“Platinum	\$100.00	+	\$5.00	=	Premium Specimen

Dues are renewable each year in January

Delaware Valley Earth Science Society Inc., DVESS
P.O.Box 372
Maple Shade, New Jersey 08052

DVESS Website:
<http://www.dvess.org>

EFMLS Website:
<http://www.AmFed.org/EFMLS>

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 editors.

To submit an article for publication in the DVESScapades contact the Newsletter Editor.

DVESS 2007 SPONSORS

Feigin Family – Platinum

Privilege to enter Rowan University facilities is limited to the night of the meeting between the hours of 7PM & 10PM under the direction of the University staff. Permission from the University staff is required to enter the school at any other time.

DVESS 2007 Officers & Positions

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Gerald Feigin
gfeigin@co.gloucester.nj.us

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WWW Research Spec.
Grant Elliott
(856) 728-1731
gle@verizon.net

2nd Vice President
Lou Detofsky

Treasurer
Program Chairperson
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Recording Secretary
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Newsletter Editor
Membership Chair
Field Trip Coordinator
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editor@dvess.org

Assistant Newsletter Editor
Asst. Field Trip Coordinator
Past Pres. Liaison
Dir. Metaphysical Research
Counsel to the Exec. Bd.
Director of EAS Research
Member Grievances Chair
Society Election Supervisor
Thaddeus Butterstone
butterstonet@yahoo.com

Special Events Coordinator
Past & Future President
Ann Lynne Benson
(856) 783-0969
SeleniteQueen@comcast.net

President's Message or "Kernels of Wisdom" by Society President Gerald Feigin

It is already March and despite my best efforts to run the Club into the ground it continues to flourish. What is a President to do? I have been studying some of the great Presidents of all time (men that were able to run their countries, companies or club into the ground) and it is becoming increasingly evident that more dramatic action will be necessary. I am contemplating selling off the Club assets, but the only asset anyone has call to inquire about is the Society's newsletter editor. Interest, however, wanes quickly when I explain that the editor and Butterstone are a package. If anyone has any suggestion to assist me in fulfilling my election campaign promise please drop me a line at www.dvess.org/runtheclubintotheground

This June the DVESS will be presenting the Leonard Morgan Memorial Award, please nominate to a Society officer, the person who you feel best exemplifies the spirit that Len gave to DVESS and has added the most to our club. The award will be a specimen with a hand-written label from Len.

January 10, 2007 General Meeting Minutes by Crusty Olfosil substituting for Milord de LeCompte, Recording Secretary who showed intelligence by not coming out in the bad weather

Wednesday, February 14th was an icy cold day as well as Valentines Day. It was not a good day to leave the house with the wind and freezing rain/snow and icy roads. But we had a meeting to attend and we hardy few would not miss our clubs monthly get together. So, braving the bad weather, Gary Weinstein, Gerald and Jonathan Feigin, and the six males of the Anderson Clan met at the appointed spot. Unfortunately the building was all locked up as were others nearby. No one was about to help us gain access. It would have been nice if someone had let us know that the place was shut down, but our only contact was enjoying himself in a warmer clime. So the brave few decided to head over to the P.B.Diner for an impromptu meeting and snack. Gerald gave the junior program on Iron minerals, Gary went over a few important items and we had a good time. The program, a virtual tour of the NJ highlands, was not seen so will be available for a future meeting.

Editor's note: Poor Crusty, if he only listened to the radio, watch TV or checked the Rowan web site he would have know what almost everyone else knew! Rowan was closed due to the inclement weather. Crusty should learn to think for himself instead of relying on "our only contact" to do everything for him.

Junior Rockhound News by Gerald Feigin

Juniors will be studying radioactive minerals at our next meeting, so be sure to wear your lead underwear.

Programs by Gary Weinstein

March's meeting will feature our very own life member and past president, Dr. Phillip Betancourt, who will present a never before seen lecture on Mont St. Hillaire.

Club News and Items of Interest by various contributors

Ebba Liguori reports

The letter just arrived in the mail.

Fred Liguori is the April 2007 winner of "Rock & Gems" Craftsman of the month Contest. His writtten instructions and a picture of his project will be in the April 2007 issue of Rock & Gem and will appear on Newsstands on Mar 6, 2007.

Fred wins Dremel Moto-Tool and a plaque.

Fred has been carving soap stone since the late 1960's. He exhibits in local art displays and at various local nature shows. Fred is a member of DVESS and has been a part time rock and mineral dealer for a number of years.

Gary Weinstein reports the following:

An interesting web link on gold, <http://www.gatech.edu/news-room/release.php?id=1241>

Dr. Betancourt has also graciously agreed to host the March Executive board meeting. Members are, as always, welcomed to attend. We have been looking forward to viewing his magnificent collection again.

The bus trip went off without a hitch. 35 members and guests had a great time enjoying the many attractions at the NY museum of natural history. 7 1/2 hours inside just don't seem to be enough. The new Planetarium show, Cosmic Collisions, narrated by Robert Redford was very well done. The temporary display (till August) of Gold was a wonderful exhibit as was the newly redone hall of human evolution. New genetic research has led scientists to new info and conclusions about our history as seen in this redone display. I was told the IMAX theater show on "roving Mars" was good also. Many first timers enjoyed themselves and we had guests from the Penns. Min. Soc. as well as the lower Bucks club.

Word from our Trotter diggg master and member, Jeff Winkler, is that we will have a dig this year, but not at Trotter. The land owners there have said thanks to our club for the help and support these many years, but do not plan to allow any digging in the foreseeable future. We are hopeful that we may again dig those historic lands sometime. This year, in conjunction with the spring Franklin show, we will have a full day and night dig at the Sterling Hill Mine. We will be given a tour of the upper working which are usually off limits and will get to collect from some of the last ore that went through the mine. We will light up a new wall this year, at night, which will be just as nice as Trotters. Other interesting plans are in the works for this special dig including the same per pound price at night as during the day. Keep posted and plan to attend this end of April one day dig. DVESS members will be asked to help with safety procedures and precautions to insure this worthy establishment and our own good reputation.

The Essence of Fluorescence – Causes of Fluorescence by Ralph Thomas (with permission of the Rock Chatter-er-er-er the official publication of the Rock and Mineral Club of Bucks County)

Basically the reason that a mineral fluoresces is the UV (ultraviolet) lamp and the activator or impurity in the mineral. By far the most common activator in the Franklin – Sterling Hill minerals that causes fluorescence is the component manganese. This element in the quantity of 1% to 3% is the reason that both Willemite and calcite will fluoresce, as well as many of the other 87 fluorescents from Franklin – Sterling Hill. A few other activators present in the New Jersey zinc mining district are chromium in corundum, silver - the blue response in sphalerite and molybdenum in scheelite and powellite. Previously it was thought that lead was the activator in esperite but now it is believed that manganese produces the fluorescence.

When a mineral absorbs higher UV rays it causes some of the atoms in the mineral to be excited and when the atoms falls back to its original energy level visible light is emitted. The colors are created in a mineral when it is able to absorb invisible ultraviolet radiation and give off visible light.

About 90% of fluorescent minerals fluoresce best under short wave illumination.

Field Trips by Chuck O'Loughlin

I am working on setting up some trip to small local locations and will have some information available at the next meeting. More importantly I want to alert you all to what has been our Club's big fund raiser over the years the Trotter Dig. I am sure that you have all heard that Trotter is closed but Jeff Winkler has made special arrangements with The

Sterling Hill Mining Museum to open up their facility for us for a very special collecting event on April 28, 2007. The \$20 admission fee will allow you to collect from 9AM till 11PM which is unprecedented as night collecting at Sterling Hill usually concludes at 9PM. We will also be treated to a special tour that will include portions of the site not normally open to the public and if we are lucky an opportunity to pick up a piece of history, a sample of the last ore to be mined and brought to the surface.

Keep watching www.uvworld.org for additional details and signup information.

Calendar of Shows and Events

compiled by Chuck O'Loughlin from various sources

March 2007

3-4: 44th Annual Earth Science Gem & Mineral Show sponsored by the **Delaware Mineralogical Society**. Delaware Technical & Community College, I-95 at Exit 4B, Churchmans Rd (Rt 58); Newark, DE

10: 31th Annual Mineral, Fossil and Micromount Show sponsored by the **Rock and Mineral Club of Lower Bucks County**. **First United Methodist Church, 840 Trenton Road, Fairless Hills, PA**

10-11: 43rd Annual Show sponsored by the **Gem, Lapidary & Mineral Society of Montgomery Co. MD**. Montgomery County Fairgrounds, 16 Chestnut St; Gaithersburg, MD.

10-11: Clifton Gem & Mineral Show sponsored by the **North Jersey Mineralogical Society**. Pope John Paul II Elementary School, 775 Valley Rd (Rt 3 at Rt 46); Clifton, NJ.

24-25: PLYMOUTH MEETING, PENNSYLVANIA: Annual show and sale, "Philadelphia Mineral Treasures and Fossil Fair"; sponsored by **Philadelphia Mineralogical Society and Delaware Valley Paleontological Society**; LuLu Temple, 5140 Butler Pike; adults \$5. Kids under 12 and uniformed scouts free; Sat. 10-5, Sun. 10-4: fossils, minerals, gems, dealers, exhibits, learning activities, children's Fossil Dig, Kids' Corner with mineral specimens, raffle, door prizes, Scouting Merit Badge Information; contact Karenne Snow, (609) 953-1987

30-April 1: Atlantic Micromounters Conference hosted by the **Micromineralogists of the National Capital Area**. Maryland Hospital Association Conference Center, Elkridge, MD. For Registration & Info contact S. Weinberger <cscrystals2@verizon.net>.

May 2007

19-20: **Berks Mineralogical Society Presents** the 39th Annual "**World of Gems and Minerals**" at Leesport Farmers Market Banquet hall, Rte. 61, Leesport, PA; 8 miles south of Rte. 78/6 miles north of Reading, PA., Sat. 10-5, Sun. 10-4, admission donation \$1.00, students free. Raffles, exhibits jewelry, fossils and locally collected minerals. Sat. ONLY, Tailgate Section under roof for rental of \$10 per table for a "first come" set-up at 8am. Contact: info@berksmineralsociety.org

Additional shows and events are listed on the Eastern Federations Web site www.afms.org/efmls/

June 2007

2: MACUNGIE, PENNSYLVANIA Semi-annual "**PSEA Spring Mineralfest**", **Pennsylvania Earth Sciences Association**, Macungie Park Bldg., Rte. 100, Sat. 8:30-3; adults \$3.00, children under 12 free. 100 tables of minerals, fossils, jewelry, fluorescents, micros, exhibits, gold sluicing and panning, children's activities, door prizes; contact Ed Richards, 431 Maryann Dr., Alburtis, PA 18011; e-mail; mineralfest@aol.com

2: **Gem-Mineral-Fossil and Jewelry Show Sponsored by The Bergen County Mineralogy & Paleontology Society and The New Jersey Paleontological Society**. Saturday, June 2nd 10:00AM to 5:00 PM - Rain Date - Sunday June 3rd - at the Bergen County Courthouse Parking Lot River & Court Streets Hackensack, New Jersey. Free admission to the public. Directions: The Courthouse can be reached from Exit 66 of Rt 80, right onto Kennedy and then left onto River St,

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the show is on the left, opposite PepBoys or go north from the Rt 46 traffic circle in Little Ferry onto River St. From Rt 4, take Hackensack Ave. south onto River St., the show will be on your right. Dealer enquiries welcome. For info call Tom at 631-499-7504 - tomcagg@aol.com or Howie at 201-265-2236 - fossilh@aol.com

D V E S S

8/20/2006

W O R D P U Z Z L E

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by Ed Loveland

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| DICHROISM | PLACER |
| DUCTILE | REFRACTION |
| FOLIATED | SEDIMENTARY |
| GANGUE | SHALE |
| HACKLY | STREAK |
| HYDROTHERMAL | VIVIANITE |
| IGNEOUS | WOLLASTONITE |
| MAGMA | ZINCITE |
| MAGMATIC | ZIRCON |
| MAGNETIC | |
| MALLEABLE | |
| METAMORPHIC | |

Membership by Chuck O'Loughlin, Membership Chair

This is the last opportunity to renew your membership in the Delaware Valley Earth Science Society for 2007. If you have not submitted your renewal information and paid your dues you will be removed from the active rolls and your subscription to the newsletter will be terminated.

Please complete the membership application bellow and return it by mail or in person at the monthly meeting or complete an on line application at www.dvess.org Payment can be made on line or by mail or in person at a regular scheduled meeting.

DVESS is a non-profit organization for people of all ages who share an interest in fossils, minerals, lapidary, geology and the earth sciences. Monthly meetings are held on the second Wednesday of each month, September through June. Meetings start at 7:30 PM with socializing and a Junior Rockhound lesson, followed by the general meeting at 8:00 PM.

Membership Application

<u>Membership Type</u>	<u>Number</u>	<u>Donation</u>	<u>Total</u>
Basic Membership	_____	\$15.00	_____
Senior Membership (65+)	_____	\$10.00	_____
Student Membership	_____	\$10.00	_____
Silver Membership	_____	\$50.00	_____
Gold Membership	_____	\$75.00	_____
Platinum Membership	_____	\$100.00	_____
Additional Family Members	_____	\$5.00 each	_____
		Total	_____

Name: _____

Names of additional family members: _____

Address: _____

City: _____

State: _____ Zip Code: _____

Phone: _____

E-Mail: _____

Return the completed application at the meeting or by mail to DVESS, PO Box 372, Maple Shade, NJ 08052. Please make your check payable to DVESS. Thank you for your continuing support.

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The Newsletter of the
Delaware Valley Earth Science Society

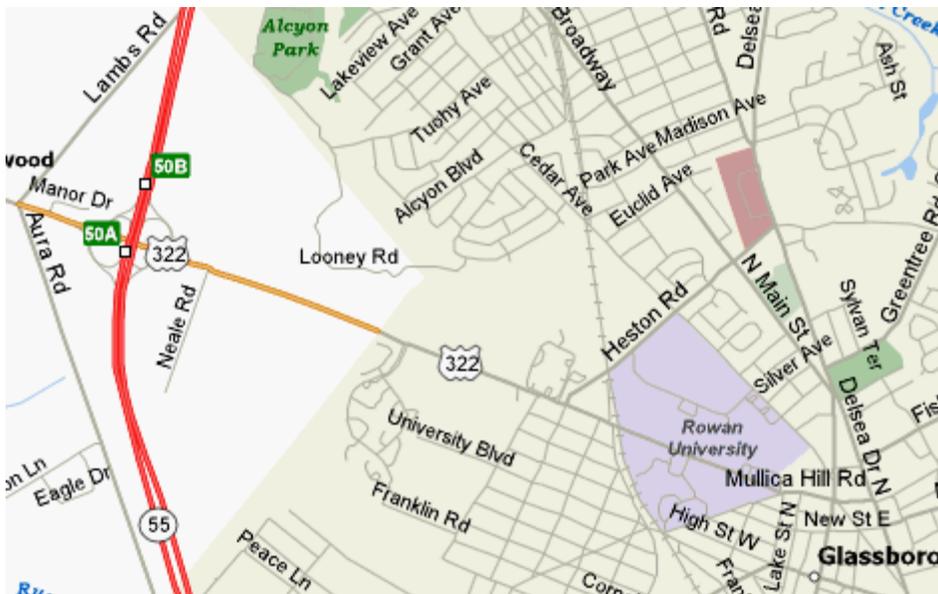
PO Box 372

Maple Shade, New Jersey 08052



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March 2007



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