



UPCOMING SHOWS

& Events

June 9-10 10:00-5:00

Celinka Show
Our Lady of Mt. Carmel
No. Ocean Avenue, Patchogue

July 21 11:00-?

Picnic – Hecksher State Park

July 28-29 10:00-5:00

31st Annual Gem, Mineral Jewelry & Fossil Show
Mattituck –Cutchogue High School

August 11

Springfield Bus Trip

September 8

New Hampshire Field Collecting-Limit to 1st 22 people

September 15-16

EFMLS Convention @ Harrisburg, Pa

For other Gem and Mineral shows:

<http://www.amfed.org/EFMLS/calendar.htm>

www.suffolkgem.com

P. O. Box 302
Bohemia, L.I., NY
11716



To promote cultural, educational, and scientific interest in mineralogy, and develop member's skills in lapidary arts and jewelry crafts

May 2012

THE CONGLOMERATE

The Monthly Newsletter of the Suffolk Gem & Mineral Club, Inc.

Monthly Club meetings held at the Bay Shore-Brightwaters Library, Montauk Highway, Brightwaters starting at 8:00pm.

Refreshments served at 7:30 pm.

CLUB OFFICERS

*The Conglomerate Editor - Cheryl Neary
Club Webmaster - Kerry Ann Hilliard*

President -	Kerry Dicker	631-277-0994	Director -	Elaine Casani	631-567-3342
Vice President -	Charles Runko (cell)	631-486-4549	Director -	Martin Besso	631-666-8023
Treasurer -	Roberta Besso	631-666-8023	Director -	Dorothy Scott	631-281-8555
Secretary -	Kerry Ann Hilliard	631-277-0994	Director -	Cheryl Neary (cell)	516-449-5341
Liaison -	Charles Runko (cell)	631-486-4549	Historian -	Kerry Ann Hilliard	631-277-0994

Cell phones are to be turned off during all Club meetings.

More importantly, there should be no disturbances during any guest presentations.



Happy
Birthday
Wishes!
May Your Year
Be Filled
with Hugs &
Kisses!

Madeline Alessi

Ron Casani

Thomas Kealy

Janice Kowalski

Kandy Miller

Teresa Modafferi

Cheryl Neary

Paul Pearo

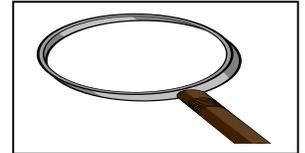
Elizabeth Rizzo

Jared & Joshua Raber

2012 UPCOMING MEETINGS

Save the Dates!

May 21-Hands-On



June 18-Lecture-
by Member Mike Katsar

Learn about our local Dairies. View an assortment of milk and other types of bottles (1870-1950's). Bring your own old bottle if interested on discovering its past!

This Month's Meeting: 05/21/12

Hands-On- Nickel plated wire ring

Bring- Tools & a Mandrel (if you have one)

Members - free

Non-members- \$2.00 + additional kits@ \$2.00

Picnic Time @ Hecksher State Park!

Saturday, July 21st (Rain date: Sunday, July 22nd)

Field 1 @ 11:00am

Please note the change in month!

Plan on bringing chairs and a dish to share.

Notify Roberta with your choice of dish!

Field Trips:

Springfield Bus Trip: Saturday, August 11th.

If interested please see Cheryl. Payment in full (\$39.00) will be required.

New Hampshire- Sept. 8th
Limited space available

Sept. 15/16-EFMLS Convention
Harrisburg, Pa



Margaret Hasting:

Herkimer Diamond Claim

This year again the four clubs have joined together to purchase a claim.

The Clubs are purchasing new tools to leave at the site for you to use. They will be kept in a box with combination lock. (get the # before you go!)

The famous "Herkimer Diamond" doubly terminated quartz crystal deposits of upper New York State are World Class collecting locations.

The "Hastings" farm, a.k.a. "Diamond Acres", in Fonda, has been a renowned rockhound collecting site since the 1950s. Unlike most digging sites, an area can be reserved, called a "claim," that is solely "ours" to return to time after time for serious, multi-day digging.

TAKE ADVANTAGE OF THIS WONDERFUL
OPPORTUNITY!.

See Kerry or Tom Dicker with any questions or concerns.

Let the Adventures Begin!
Approximately 65 Million Years Ago (Ma)

Mass extinction of plant and animal species occurred in a relatively short geological time period in the event formerly known as the Cretaceous-Tertiary extinction event, or the K-T extinction event, with the geological boundary known as the K-T boundary.

The K-T boundary is also known as the Cretaceous-Paleogene boundary or K-Pg boundary, which is usually a thin band of sedimentation. The “K” denotes the traditional abbreviation for the Cretaceous Period derived from the German name *Kreidezeit*, the “Pg” is the abbreviation for Paleogene Period.

The most notable group of organisms which became extinct are the non-avian dinosaurs, with their fossils found only below the K-T boundary. The few dinosaurs fossils found above the K-T boundary are considered reworked fossils or fossils eroded from their original location and later preserved in sediment layers.

Evidence of dinosaurs -- fossils or tracks -- have been found in all of the Mid-Atlantic states except Delaware. In New Jersey, six kinds of dinosaur fossils have been found: Coelurosaurus, Diplotomodon, Dryptosaurus, Hadrosaurus foulkii, Nodosaurus and Ornithotarsus.

In Connecticut, evidence of eight kinds of dinosaurs have been found: Ammosaurus, Anchisaurus, Anchisauripus, Anomoepus, Eubrontes, Gigandipus, Sauropus and Yaleosaurus.

In New York, tracks of Coelophysis have been found in the Newark Basin. The sediment –filled rift basin is located mainly in New Jersey, however it also stretched into the southeastern portion of Pennsylvania and southern New York.

Per Dr. Charles Merguerian of Hofstra, the strata that filled the Newark basin were deposited under contrasting hydrologic settings. Some of them were deposited in a deep lake that may have filled much of the basin, with typical deep-lake deposits such as, microlaminated black shales containing abundant remains of fossil fish. Other strata accumulated subaerially in a dry climate. Typical features of such strata are desiccation cracks and dinosaur footprints. The water-level fluctuations are controlled by climatic changes.

In the 1970s, a small three-toed imprint in red shale was found by an amateur fossil buff on Long Island, on the north shore beach in the hamlet of Roanke Point near Riverhead.



Outside
the
Box!
A synopsis of last
month's meeting

Last month, Dr. Brett Bennington of Hofstra University provided an interesting lecture on Dinosaurs in the Tri-State area- New Jersey, New York and Connecticut.

There aren't many fossils of dinosaurs found in the area. The demise of the dinosaurs is an unsolved mystery-with two leading theories- volcanic eruptions or an enormous asteroid impact.

Continued: 65 Million Years Ago

The specimen had been stored in his closet until he read a story in Newsday, the writing of the excellent articles for Long Island-Our Story (1998).

In the Newsday article, Herb Mills a staff geologist for Nassau County Museums stated that no dinosaur fossils were ever found on Long Island. This prompted Magee to unearth his fossil and contact Herb Mills, who later attested that this appeared to be a dinosaur imprint, and later confirmed by Paul Olsen of Lamont Doherty in New Jersey.

The 3-inch print was identified as being a 200-million years old print made possibly by either a Coelophysis (pronounced seal-oh-fie-sis) or a close relative of the 6- foot tall ostrich-like meat eater. The animal that made the track probably lived in Connecticut and the rock was carried south by the last glacier. Similar tracks have been found at Rocky Hill in Ct.

Luckily, the fossil- bearing siltstone was found by a person who knew to crack it open and recognized the imprint as a dinosaur track. Magee learning of the significance of his fossil donated it to Garvies Point.

**2013 Joint Show: EFMLS Convention
Suffolk Gem & Mineral & Island Rock Hounds:**

When: June 1-2, 2013

**Where: Sheraton Long Island
110 Motor Pkwy
Hauppauge**

Each club has or will be designating one person to each position. The Suffolk Club presently has the following personnel assigned to the outline committees, but we still need more volunteers for this large commitment: Please speak with any member of the Board if interested in a position.

Show Chair-open

Show Treasurer – Roberta Besso

Dealer Chair – Elaine Casani

Set-up- Ron Casani

Security- Rob Risi

Showcases- **open**

Publicity-open

Admissions- **open**

Club- Kerry Dicker

Exhibitors/Demonstrators- **open**

Showcases- **open**

EFMLS: Cheryl Neary

Judging & Rules: **open**

News Flash- News Flash -News Flash- News Flash- News Flash -News Flash- News Flash- News Flash

Dinosaurs may have farted themselves to extinction, according to a new study from British scientists.

The researchers calculated that the prehistoric beasts pumped out more than 520 million tons of methane a year -- enough to warm the planet and hasten their own eventual demise. Until now, an asteroid strike and volcanic activity around 65 million years ago had seemed the most likely cause of their extinction.

'These dinosaurs may have produced more methane than all the modern sources put together.'

- Co-researcher David Wilkinson

Giant plant-eating sauropods were fingered as the key culprits in the study, which appears in the latest edition of the journal Current Biology. An average argentinosauros, weighing around 90 tons and measuring 140 feet, chomped its way through half a ton of ferns a day, producing clouds of methane as the food broke down in its gut.

[As reported on 05/07/2012 on the internet – CBS/FOX/MSCN](#)

Celinka Show will be held on June 9th & 10th at Our Lady of Mount Carmel located between Rt.112 and North Ocean Avenue.

Celinka is providing our club with the opportunity to reach new members by having a Club Table. We need volunteers to crack the geodes, as well as, man the table.

Please sign-up with Kerry at the meeting!