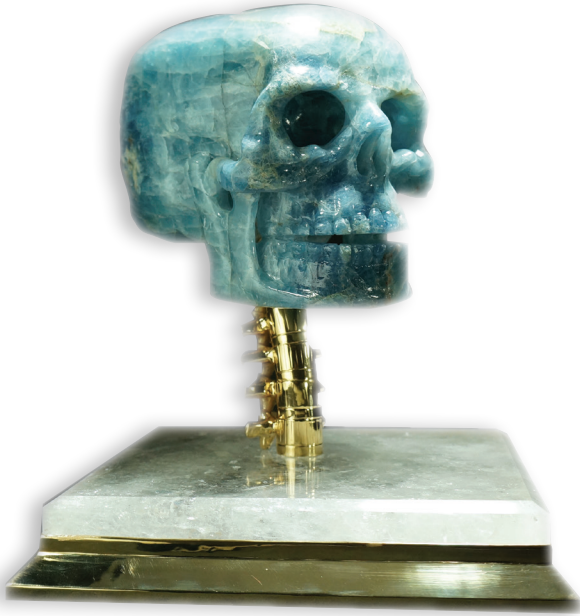




LIZZADRO MUSEUM OF LAPIDARY ART

NEWSLETTER & CALENDAR OF EVENTS FALL 2014



Museum Hours

Tuesday to Saturday 10 a.m. to 5 p.m.
Sunday 1 p.m. to 5 p.m.
Christmas Eve 10 a.m. to 1 p.m.
New Years Eve 10 a.m. to 4 p.m.
Closed Mondays,
Closed Thanksgiving Day,
Christmas Day, and New Years Day.

Admission

\$5.00 Adults, \$4.00 Senior Citizens
\$3.00 Students & Teenagers
\$2.00 Children 7 to 12 yrs.
Free for children under 7 yrs.
Friday is Free day.
Members of the Lizzadro Museum and active members of the Armed Forces are admitted free of charge on any day the Museum is open to the public.

Group Tours

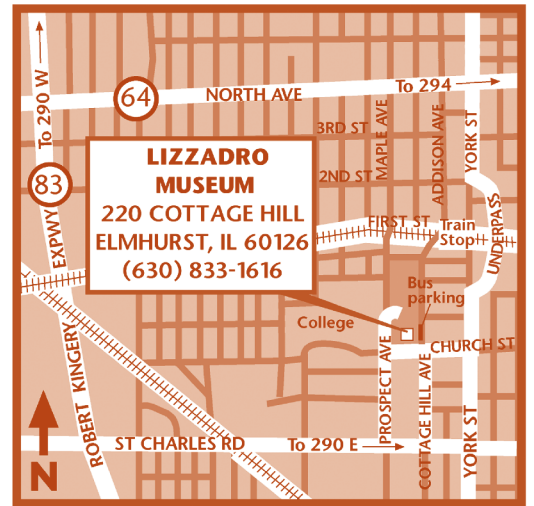
Tours can be arranged for groups with special interests or needs. Reservations are necessary for guided tours.



The Museum has facilities to provide access for physically disabled visitors.

Visit us at lizzadromuseum.org

See the Museum Shop online.
Volunteer forms are available.



Smithsonian Institution
Affiliations Program



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The Early Animals on Earth: Nature's Experiments

By Sara Kurth & Donald Baumgartner



Dickinsonia is an Ediacaran species that has been described as closely resembling worms, possibly analogous to the present day *Spinther*.

When studying the history of life on earth, the “Cambrian explosion” is described as the time when animal life began. It was during this time period, approximately 542 million years ago, that the widely known trilobites, mollusks, and other hard-shelled organisms became prolific throughout early earth seas. But it is becoming more apparent that the famous trilobites were not the first metazoans, or multi-cellular animals to inhabit earth. In 1947, a strange set of animals, the Ediacaran fauna, were discovered in the Ediacaran Hills of Australia.

The Ediacaran fossils have been found on every continent except Antarctica, the most important finds are in Namibia, Africa, the Newfoundland & MacKenzie Mountains’ in Canada, the White Sea Coast in Russia and the Flinders Ranges in southern Australia. Preservation sites for these first multi-cellular animals and their ecosystems are very rare and spotty over the globe.

Some sites rival the more well-known early Cambrian Burgess Shale in terms of protection and scientific importance. The age of these fossils have been dated from 600 million to 542 million years old. Some scientists believe that a few species of Ediacaran fauna survived longer into the Cambrian. However, debate surrounding these fossils has not been limited to just the age.

Originally, scientists considered the Ediacaran animals to be early representations of modern day metazoans. For example, some of the fossils are round, similar to present day jellyfish. Others are reminiscent of sea-pens. Despite the original classification as early examples of more analogous fauna, some scientists have begun to think of these small, soft-bodied animals as “failure experiments” for the first multi-cellular life. These scientists consider most of the Ediacaran animals to be a representation of extinct lineages that do not resemble any living organisms. The fossils include worm-like, frond-shaped, disks, and odd bag forms. All bear little resemblance to modern animals, so their relationships to our more familiar, later life is difficult to interpret.

The Ediacaran fauna, also commonly referred to as Vendian life, existed during what is now called the Neoproterozoic Era (750-542 million years ago). Climatically, this time period is one of the extraordinary periods of Earth’s history. During this time on Earth the most severe glaciation conditions existed (“Snowball Earth”) when nearly the entire planet was frozen over almost down to the equator, alternating with widespread tropical greenhouse conditions.

The Ediacaran fauna were soft-bodied organisms who may have been filter feeders, with no internal digestive system. It has been suggested that these animals may have lain across mats of cyanobacteria, feeding through a process of symbiosis. If this argument is valid, then the demise of these organisms by the predation of hard-shelled organisms like the trilobite is a reasonable conclusion.

To learn more about these unique animals, Donald Baumgartner, Biologist at Harper College and amateur paleontologist, will provide a program on the Ediacaran life, Sunday October 26 at 2 p.m. A variety of these early animal fossils will be available for viewing and for purchase.

References:

Fedonkin, M.A. et al., "Rise of Animals: Evolution and Diversification of the Kingdom Animalia," MD: Johns Hopkins University Press, 2008, print.

Clarkson, E.N.K., "Invertebrate Paleontology and Evolution, 4th ed.," Oxford, UK: Blackwell Science, 1998, print.

In Memoriam

We regret the recent passing of Jeanne Cardea. She was the secretary and receptionist at the Museum for 11 years, retiring in 2008 at age 80. Jeanne was a lifelong resident of Elmhurst and enjoyed greeting visitors and school children with her friendly disposition and bright smile.



Your Contribution is important to us!

Give the gift of a donation or Museum Membership in honor of a loved one this Holiday Season.

Membership & Donation forms are available at the Museum or on-line at:
www.lizzadromuseum.org



The Lizzadro Museum is a 501(c)(3) public charity, contributions are tax deductible.

VISITING ARTIST



Drusy agate cabochon set in a beaded bezel created by Lorel Abrell.

Lorel H. Abrell

"Beaded Bezel Gems"

OCTOBER 7 TO DECEMBER 31, 2014

Lorel Abrell learned how to create jewelry by construction and casting at the College of DuPage Jewelry and Art Department. She wanted to cut and polish her own gems to incorporate in jewelry. She joined the Earth Science Club of Northern Illinois to learn more about rocks and minerals and studied different forms of jewelry-making along with stone working. She learned to carve and cut cabs by studying with Award Winning Lapidary, Olive Colhour in Seattle, Washington and learned faceting and wire wrapping through the West Suburban Lapidary Club. She was mentored by the late Doris Kemp and encouraged by her to incorporate a combination of skills in her work. Today, she finds enjoyment using the beaded bezel technique, weaving in her cut gems. The creative process develops while studying the gem material. Her vision of what to create is often dictated by the colors and patterns in the stone.

CALENDAR OF EVENTS OCTOBER THRU DECEMBER 2014

SPECIAL EXHIBIT "Faces of Eternity" THRU DECEMBER 31, 2014



Inspired by the juxtaposition of human mortality and the timelessness of gemstones, Peruvian artist Luis Alberto Quispe Aparicio created 15 skulls each with a distinctive personality.
Regular Museum Hours & Admission

"Rock & Mineral Identification"

Geologist Sara Kurth presents an introduction to rocks and minerals. Learn to identify minerals through basic hands-on identification including observation skills and hardness tests. Great for teachers and rockhounds, this program qualifies for Boy & Girl Scout merit badges. All materials are provided. Scout groups require adult supervision.

Activity - Ages 8 yrs. to Adult

10:30 a.m. - 75 minutes

Saturday Classes:

October 18, November 15, December 6

Admission: \$5.00 per person,

Museum Members: \$3.00

Reservations Required: (630) 833-1616

OCTOBER 18 "Knot Those Pearls"

Pat Koko of the West Suburban Lapidary Club teaches knotting techniques used in necklaces & bracelets. Instruction includes: discussion of beading techniques, use of tools, beads, clasp and string. All materials included. Necessary tools will be available to share to complete the project. Complete a single strand faux pearl bracelet to take home.

Workshop - Ages 15 yrs. to adult

1 p.m. to 3 p.m.

Fee: \$30.00 per person,

Museum Members \$25.00

Reservations Required: (630) 833-1616

OCTOBER 26 "Earths' Early Fossils: Nature's Experiments"

The earliest soft-bodied animals of Earth evolved in the pre-Cambrian Era during the Ediacaran Period when the entire planet was largely frozen over. The worm-like animals, fronds, disks, and other oddities bear little resemblance to modern animals. Biologist, Donald Baumgartner presents this amazing part of the Earth's history. A variety of Ediacaran fossils will be available for viewing and for sale.

Sunday Lecture - Youth to Adult

60 minutes - 2 p.m.

Regular Museum Admission

Museum Members Free

Reservations Recommended:

(630) 833-1616



NOVEMBER 2 "Modern Gem Carving"

Lapidary artist Luis Alberto Quispe Aparicio will demonstrate his process and technique for carving gemstones. His lecture will include the inspiration for creating a series of carved objects including the "Faces of Eternity" collection of skulls. Learn about his collaborative effort with his sister, a jewelry designer & metalsmith, and the survival of their family-run lapidary business.

Sunday Demonstrations:

1 p.m. & 3 p.m., Lecture: 2 p.m.

Youth to Adult

Admission: \$10.00 per person,

Museum Members Free

Reservations Recommended:

(630) 833-1616



November 22 "Lapidary Day"

See demonstrations by artists from the West Suburban Lapidary Club including: beading, silversmithing, cabochon cutting, wire wrapping and faceting. Free hands-on activities and jewelry cleaning. The event is a great way to see the Museum and learn more about lapidary art.

Saturday Event - 10 a.m. to 4 p.m.

All Ages - Free Admission

Museum Shop

Annual Holiday Sale

November 16 through December 14, 2014

Become a Museum Member
and receive 20% off purchases



Shop online at:

www.lizzadromuseum.org/museumshop.php

DECEMBER 6 "Create A Gem Tree"

Lapidaries Bill and Lois Zima of the DesPlaines Valley Geological Society teach how to create a small tree using gemstones and wire. These beautiful trees never need water and make a great gift.

Activity- Ages 9 yrs. to Adult

1 p.m. to 3 p.m.

Fee: \$25.00 per person,

Museum Members: \$20.00

Reservations Required: (630) 833-1616

LIZZADRO MUSEUM OF LAPIDARY ART

220 Cottage Hill Ave. Elmhurst, IL 60126

630/833-1616

www.lizzadromuseum.org



We would like to hear from you. Please direct questions or comments to info@lizzadromuseum.org