



A Dinosaur-Sized Impact

James and Louise Temerty donate \$3.25 million to ROM Fossils & Evolution

“Whenever we come to the ROM, we feel we are home,” says Louise Temerty. Avid museum-goers, she and her husband Jim discovered the ROM when they moved to Toronto from Montreal over 35 years ago. Today, they are long-time ROM supporters who help make our world-class exhibitions, galleries and research possible.

The ROM’s Centennial year is no exception, with the Temertys making an incredible \$3.25 million gift to ROM Fossils & Evolution, which shares the record of life on Earth through time and conducts ground-breaking research on dinosaurs and fossils. Their generous philanthropic investment will establish the James and Louise Temerty Endowed Chair of Vertebrate Palaeontology and the James and Louise Temerty Expendable Research Fund for Vertebrate Palaeontology.

An endowed chair is the highest academic recognition the ROM can bestow on a curator. It is both an honour to the named chairholder and an enduring tribute to the donor who establishes it. “By endowing this position in

perpetuity, we are helping to ensure the ROM attracts leading curators, retains scientific excellence and continues to be a leader in sharing knowledge with the public,” says Jim Temerty, Chairman at Northland Power Inc.

This extraordinary gift from the Temertys is a meaningful investment in the ROM’s curatorial talent, which fuels the Museum as a leading research institution making ground-breaking discoveries. The ROM can continue to grow its globally-renowned dinosaur research program, unlock potential knowledge in its vast collection of dinosaur specimens, and amplify educational programs for ROM Fossils & Evolution.

The ROM has appointed Dr. David Evans, ROM Curator of Vertebrate Palaeontology, as the inaugural chairholder of the James and Louise Temerty Endowed Chair of Vertebrate Palaeontology. “It is my hope that my research will ultimately provide a better understanding of the causes and consequences of mass extinctions in general, and give insights into the biodiversity crisis that we face today,” says Dr. Evans.

This transformational gift from the Temertys was announced at the 30th anniversary celebration for the Royal Patrons Circle (RPC) on September 30, 2014.

Dr. David Evans named Acheroraptor temertyorum (centre dinosaur) in honour of James and Louise Temerty. Artwork by Julius Csotonyi.

INSIDE SCOOP

Eva Holtby Lecture on Contemporary Culture

November 17, 2014

Writer Bob Colacello will examine Andy Warhol and Ronald Reagan as architects of change. This lecture is generously supported by the Holtby and Schury Families.

Patrons Preview

January 28, 2015

Explore Douglas Coupland’s visual art at this exclusive sneak peek of the exhibition *everywhere is anywhere is anything is everything*.

Cocktails & Helvetica with Douglas Coupland

February 24, 2015

Join the artist in a studio setting for an exciting crowdsourcing design experiment.

PROM X

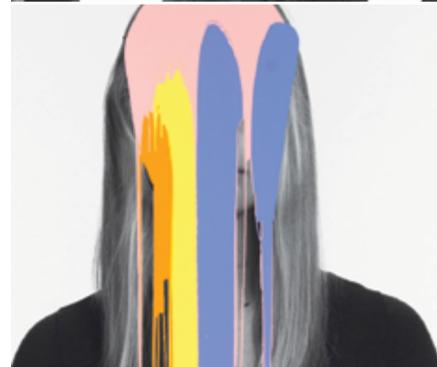
March 28, 2015

Our 10th annual PROM is inspired by the *Douglas Coupland: everywhere is anywhere is anything is everything* exhibition. Join hundreds of Young Patrons Circle Members and guests for the city’s hottest fundraising event.

Extreme Museum Makeover

March 31, 2015

Arts, lifestyle and museum trailblazers dish on their dream museum of the future.



Top: Bob Colacello with Andy Warhol. Bottom: Pop Heads (detail), 2012. © Douglas Coupland. Cover: Kootenay National Park, British Columbia.

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The ROM Governors is accredited under the Imagine Canada Standards Program, demonstrating excellence in Board governance, financial accountability and transparency, fundraising, staff management and volunteer involvement.



For more information, please call 416.586.5660 or visit www.rom.on.ca/lovetherom

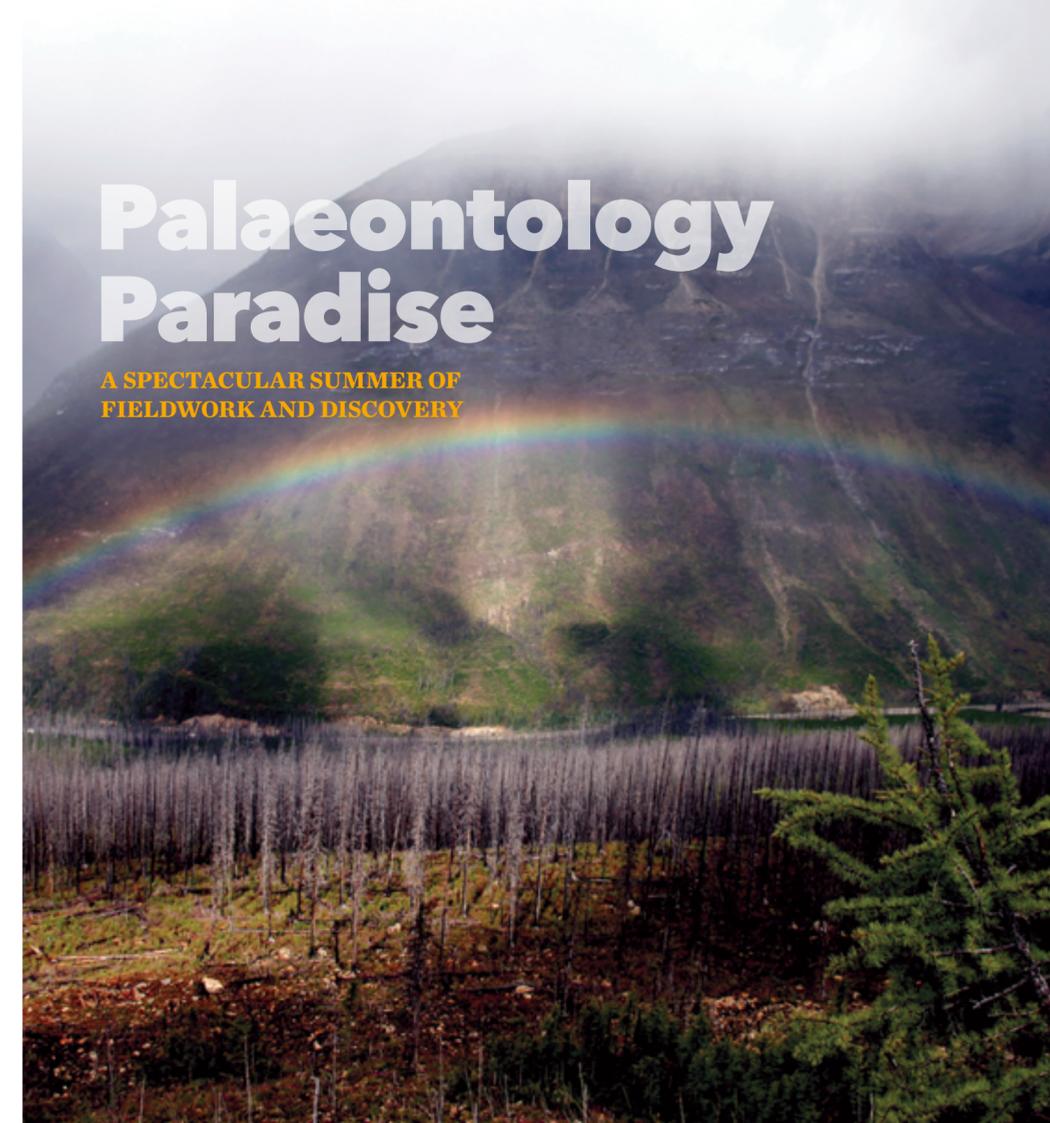
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CAMPAIGN NEWSLETTER
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Palaeontology Paradise

A SPECTACULAR SUMMER OF
FIELDWORK AND DISCOVERY



Dianne Lister on a ROM dinosaur dig in Alberta.

A New Dawn of Philanthropic Leadership

It has been an incredible honour to lead the ROM Governors as President & CEO. For the past three years, I have been struck by the remarkable generosity and philanthropic leadership you have shown to Canada’s world museum. Your support truly makes the Museum the special place it is, bringing world-class exhibitions, collections and programs to life for the community. Thank you for enabling so many curatorial research projects, new acquisitions and educational initiatives that have had tremendous impact.

Thanks to you, we have achieved 51% of our Love the ROM Centennial Campaign fundraising goal, with an aim to reach \$15 million by June 2015. Your gifts will

create an extraordinary new Dawn of Life on Earth Gallery and a convivial ROM Plaza and welcome experience for visitors. These meaningful Centennial legacy projects will ensure the Museum remains a meeting place for people and ideas for the next generation.

I am especially excited about this new cutting-edge gallery, which will tell the fascinating story of our earliest beginnings on Earth in a way that only the ROM can. It will be an immersive and dynamic environment to share our leading-edge palaeontological research and showcase Canadian fossils, which offer incredible insights into our shared history and future.

I am confident the Love the ROM Campaign will propel the Museum into its second century of nurturing discovery and inspiring wonder, giving kids and adults more reasons than ever to love the ROM. As I begin my retirement next month, I invite you to join me in welcoming Susan Horvath, who will assume the role of President & CEO beginning December 1, 2014. With sincere appreciation, I thank you for your continued support of the ROM and look forward to seeing you at upcoming exhibitions and special events as a member of the Royal Patrons Circle and the Currelly Society.

Sincerely,

Dianne Lister
President & CEO, ROM Governors

Introducing Susan Horvath, CFRE

Incoming President & CEO, ROM Governors

Susan Horvath is a seasoned philanthropic executive with diverse leadership experience in the healthcare, education and research sectors. She has served as Vice President, Philanthropy for the Canadian Cancer Society and was President of the Mount Sinai Hospital Foundation. “I am very excited to be joining the ROM family at an iconic Canadian cultural institution and world-leading museum, as it aims to inspire greater philanthropic support in the years ahead,” says Susan. “I believe in the value of the ROM to shape, educate and enrich lives and the significant role it plays in our community.”



Conceptual rendering courtesy of Reich + Petch.

Watch a preview of the exciting new gallery at rom.on.ca/support

The Dawn of Life on Earth Gallery

Telling the story of life before dinosaurs

Dinosaurs have long captured the imagination of children, filmmakers and scientists. But the ROM's Dawn of Life on Earth Gallery will explore life long before giant reptiles roamed the planet, showcasing stunning specimens from Canada's world-renowned fossil beds. This innovative space will immerse visitors in an ancient landscape, showing the earliest beginnings of life and the sudden diversification of animals, with compelling content informed by leading-edge ROM research.

They may be small but invertebrates have big stories to tell us. For instance, the ROM holds the most complete skeleton of *Anomalocaris canadensis*, a 505 million-year-old animal from British Columbia's Burgess Shale fossil bed. Long before *Tyrannosaurus rex* was throwing its weight around, this giant undersea predator was top of the food chain. It had large eyes, grasping limbs with sharp pointed spines, mouth parts with blade-like teeth and swam at great speed.

"It's no accident that 'Canada' is embedded in the name of this primitive carnivore," says Dr. Jean-Bernard Caron, ROM Curator of Invertebrate Palaeontology. "The discovery and interpretation of *Anomalocaris canadensis* is our story to share with the world. We are excited to display this incredible specimen in the Dawn of Life on Earth Gallery and make it a household name in Canada."

Hands-on activities and amazing animations will make ancient plants and animals come alive, showing how they moved, ate and evolved. The gallery will display spectacular Canadian fossils that have been tucked away for decades and connect visitors to ROM researchers in the field as they unearth new species. "We are storytellers and the fossils are the objects of our story," says Dave Rudkin, Assistant Curator of Invertebrate Palaeontology. "They engender wonder and awe. Simply, we want to know where we came from."

Into the Wild with Dr. Jean-Bernard Caron

Fossil hunting is not for the faint of heart. It means bushwhacking up a remote mountainside for hours before setting up camp surrounded by an electrified bear fence. Your food and gear are flown in by helicopter. Then comes the dirty, back-breaking work of splitting rocks with jackhammers and rock saws. This noisy soundtrack is only interrupted when you strike palaeontological gold: "Finding a new species simply doesn't get old," says Jean-Bernard Caron, ROM Curator of Invertebrate Palaeontology.

This summer, Jean-Bernard spent 10 weeks in Kootenay National Park digging into a Marble Canyon Burgess Shale fossil deposit, which he discovered two years ago. This field trip was a multi-disciplinary project between the ROM, Parks Canada, Pomona College, Uppsala University and the University of Saskatoon. "If you want to stay on the edge of science you have to do fieldwork," says Jean-Bernard. "The ROM is Canada's largest field research museum, and there are few institutions doing this fieldwork in British Columbia, challenging our understanding of how life was in the past."

Undaunted by the promise of blisters, hail and snow, 15 volunteers joined Jean-Bernard, a world leader in the study of early life, on the research trip of a lifetime, signing up to wear safety goggles and hard hats every day. Journalists also rocked up to the dig site, sharing the team's discoveries via Canadian and international news outlets including *CBC*, *CNN* and *The Globe and Mail*.

Stunning new fossils and scientific insights discovered will be featured in the ROM's future Dawn of Life on Earth Gallery, one of the legacy projects in the Love the ROM Centennial Campaign. Through technology, social

media and digital tools, this innovative gallery will allow the ROM to share real-time palaeontological research with the public. Now back at the Museum, Jean-Bernard looks over the slabs of rock, which await further study. "We have a big responsibility to interpret and share these fossils with the world and the scientific community," he says.

Not only did the group unearth 15 new species, they also found new outcrops that are promising for future fossil exploration. New specimens reveal that animals may have lived in groups like schools of fish, during the Cambrian Explosion, a time when the fossil record is suddenly filled with complex animals. "Anatomical details are extraordinarily well preserved in the new samples. The animal's eyes stare back at you and its gut contents reveal its last meal," says Jean-Bernard. Now *that's* food for thought!

Support ROM Fossils & Evolution and help further our understanding of how life began and the changes we face today will shape the world we'll live in tomorrow. To learn more about the ROM's future Dawn of Life on Earth Gallery, please contact Ulrica Jobe at ulricaj@rom.on.ca or 416.586.5818.



Fossil hunting by the numbers

- 2 years: expedition planning
- 60 pounds: average backpack
- 10 weeks: field trip
- 10 field volunteers
- 5,000: volts in the camp's electrified bear fence
- 10,000 new fossils collected
- 2.5 tonnes: rock brought back
- 15 new species found

ROM palaeontologists recognized

The Royal Society of Canada (RSC) lauded Dr. Jean-Bernard Caron and Dr. David Evans for "making ground-breaking contributions to the Canadian palaeontological landscape through spectacular new field and laboratory discoveries." Dr. Robert R. Reisz, a highly regarded researcher and professor at the University of Toronto Mississauga, wrote about the ROM's "young scientists" for the Society's summer newsletter. The RSC is the recognized pre-eminent body of independent scholars, researchers and creative people in Canada whose Fellows comprise a collegium that can provide intellectual leadership for the betterment of Canada and the world.

Unearthing Dinosaur Stories for Canadians

The ROM and HISTORY Canada have teamed up to bring audiences first-hand access to ground-breaking dinosaur discoveries and research. Airing on HISTORY Canada and produced by Cream Productions in association with Shaw Media, *Dino Hunt Canada* follows Canadian palaeontologists on recent dinosaur digs. The interactive and digital components of the series, produced by the award-winning tech firm Secret Location, are developed in partnership with the ROM, and feature live-streaming from the Museum's dinosaur palaeontology lab.

Despite increased exploration around the world, Canada remains one of the best places to discover dinosaurs. From the badlands in Alberta to the Bay of Fundy, Canadian palaeontologists are unravelling prehistoric mysteries through their incredible new fossil finds. *Dino Hunt Canada* will move back and forth along the historical continuum of Canadian palaeontology to see how a rich heritage of discovery informs the present-day expeditions.

"At HISTORY Canada, we're constantly on the lookout for new discoveries, new research and new perspectives on Canadian history. With *Dino Hunt Canada*, we're excited to partner with the ROM to bring our viewers an exciting new dinosaur discovery that was made right here at home," says Christine Sipton, Senior Vice President, Content, Shaw Media.

ROM palaeontologists are highly active in the field, searching for and collecting fossils. One of the scientists profiled in *Dino Hunt Canada* is the ROM's Dr. David Evans, a recognized authority on Canadian dinosaurs, who helped conceive and develop the program. In the past two field seasons alone, Dr. Evans and his team have announced the discovery of five new types of dinosaurs from Alberta, and the show follows his team as they unearth another exciting new species to add to the dinosaur dictionary.

The ROM will unveil this new cousin of *Triceratops* in January 2015 in a special exhibit developed in partnership with HISTORY Canada. Tune in to watch *Dino Hunt Canada* on HISTORY Canada in early 2015. Visit rom.on.ca for more details.

Triceratops Hunting with Dr. David Evans

It's been 60 years since ROM palaeontologists field collected a dinosaur skeleton that could be permanently added to the Museum's collections. That is until this past summer, when Dr. David Evans, ROM Curator of Vertebrate Palaeontology, took a "motley crew" of five PhD students to South Dakota to dig up a *Triceratops*.

This fieldwork expands on ROM research about the extinction of dinosaurs, which involves collaborative projects with the Smithsonian Institution, the University of Oxford and the Natural History Museum in London. Despite heavy rainfall flooding the dig site, the ROM team mapped 64 dinosaur bones in two weeks, sharing their muddy progress with 1.7 million people via Twitter. Another challenge was removing the 900-pound block containing the shoulder blade and associated vertebrae. "We were excavating on a sheep and cattle ranch, so luckily we were able to borrow a tractor to lift it out," David says.

The top find of the dig was a long nose horn, indicating the bones belonged to a *Triceratops prorsus*, the last species of *Triceratops*. Parts of the dinosaur will go on display at the Museum in January 2015. "ROM visitors will see our latest field find firsthand, thanks to our donors, who are leaving a very tangible legacy and inspiring future generations," says David. And he would know—he first saw dinosaurs at the ROM at the age of four.

The ROM Centre of Discovery for Fossils & Evolution aims to expand its field research program in the Hell Creek Formation, which includes parts of Montana, North Dakota, South Dakota and Wyoming. A dinosaur hunter's playground, this area sheds light on the climactic factors that led to the great dinosaur die-off. The US is also one of the few places where palaeontologists can remove fossils, enabling the ROM to expand its permanent collections for study, teaching and display.



Above: Artistic rendering of *Triceratops prorsus* by Danielle Dufault. Below: Dr. David Evans sits on the dinosaur's 900-pound shoulder blade. Bottom left: A partially prepared *Triceratops* nose horn (left) and ribs (right).

Thank you for helping us to get our hands dirty.

The ROM is grateful to Dennis and Kathleen Freeman for generously funding the expedition, the private collector who donated the specimen and Dale and Deb Turbiville who graciously let the ROM team dig on their ranch.

