

2006

SVP 66TH ANNUAL MEETING

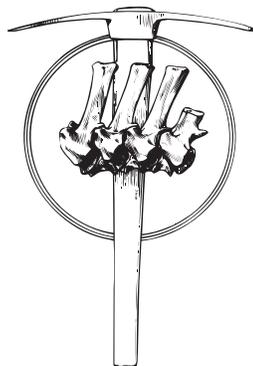
OCTOBER 18-21, 2006
OTTAWA, ONTARIO, CANADA



Canadian Museum of Nature

Marriott Ottawa

The Crowne Plaza Ottawa



SECOND CIRCULAR

Museum | Collections | Travel and Lodging | Registration
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Presentation Guidelines and Poster Schedule

www.vertpaleo.org

*Welcome to Ottawa! / Bienvenue à Ottawa!***Dear Friends and Colleagues:**

The Canadian Museum of Nature is pleased to host the 66th Annual Meeting of the Society of Vertebrate Paleontology, 59 years after the SVP last met in Ottawa in 1947. At the 1947 meeting, C. M. Sternberg invited all SVP members to examine any of the vertebrate material at the Museum during their visit. In 2006 we extend the same invitation, noting that while Sternberg's many specimens are still available, the museum has greatly added to these collections in the intervening years. In addition, the Canadian Museum of Nature will be opening its new Fossil Gallery, just in time for the SVP meeting. Many of Sternberg's mounts (such as the type specimen of *Styracosaurus albertensis*, featured in the meeting logo) have been completely redone for the new gallery, which will feature the Late Cretaceous and Early Tertiary of northern North America. We hope you will join us at the SVP Welcome Reception for a preview of our new gallery, the evening before it officially opens to the public.

Ottawa, the national capital of Canada, is located on the south bank of the picturesque and historic Ottawa River, which divides the provinces of Ontario and Quebec. In 1615, Champlain and his voyageurs and native guides portaged their canoes around the falls within sight of the conference hotel. Ottawa is a small city, with large areas of "green space" and many bike and walking paths along both the Ottawa and Rideau rivers and the Rideau Canal. As a capital city it is home to all the national museums and art galleries, and a wide variety of restaurants and shops. Ottawa is a safe and friendly city, easy to walk around and has a good public transit system.

The Canadian Museum of Nature, Canada's national natural history museum, has two buildings. The Victoria Memorial Museum Building, housing the exhibits, and the location for the Welcome Reception, is about 10 blocks from the conference hotels. The Natural Heritage Building, housing the collections and research facilities, is on the north side of the Ottawa River, close to the Gatineau Hills. Visit the museum's Web site at www.nature.ca to learn more about our collections, research and exhibits.

We look forward to being your hosts for the SVP's 66th Annual Meeting in Ottawa!

Sincerely,
2006 SVP Host Committee
Canadian Museum of Nature

Society of Vertebrate Paleontology

Founded in 1940 by 34 paleontologists, the Society now has over 2,000 members representing professionals, students, artists, preparators and others interested in vertebrate paleontology. It is organized exclusively for educational and scientific purposes, with the object of advancing the science of vertebrate paleontology.

SVP Host Committee

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Museum / Collections / Collections du musée

The Canadian Museum of Nature

The national natural history collection of Canada had its roots in the Geological Survey of Canada, which formed in 1842. The staff of the Geological Survey collected far more than just rocks, minerals and fossils; fieldwork took them across the country where they collected everything they came across including the fauna and flora of Canada. These collections were housed in a variety of buildings, until finally in 1912 they settled into the first purpose-built museum in Canada, the Victoria Memorial Museum Building (VMMB). Unfortunately, soon after this, in 1916, a fire destroyed part of the Parliament buildings, so both houses of Parliament moved into the VMMB and stayed there for four years.

Not long afterward in their history, part of the national collections were separated from the Geological Survey to come under the responsibility of the National Museums of Canada (hence our "NMC" specimen numbers) in the National Museum of Natural Sciences. This became the institution responsible for natural history collections, including vertebrate fossils. A further name change occurred in the 1990s, making it the Canadian Museum of Nature. One interesting legacy of their joint origin, is that the Geological Survey of Canada still maintains the collections of invertebrate and botanical fossils, and the two institutions both have mineral collections, although the Museum of Nature has the display-quality ones!

In addition to the vertebrate palaeontology collections, the Canadian Museum of Nature houses the national herbarium and the vertebrate and invertebrate zoology collections. Although the collections are predominantly made up of Canadian species, there is a good representation of material from other areas. In total, the Museum's collections comprise about 10 million natural history specimens. The VMMB is now just the exhibit building, as a modern collections and research facility was built in 1996 to house the specimens and laboratories.

At present time, the Canadian Museum of Nature is in the process of a long-term renewal project. This project includes a major refurbishment of the exhibit building — reinforcing the whole Victoria Memorial Museum Building with steel beams, but retaining the heritage stonework and other structures. In the course of this renewal, many new galleries will be produced. On Oct. 19, 2006, the museum will open its new fossil gallery to the public. The gallery focuses on a "slice of time" across the Cretaceous-Tertiary boundary. We hope everyone will take advantage of the SVP Welcome Reception on Oct. 18 to be the first group to see its new gallery.

The Canadian Museum of Nature Collection

The Museum's Earth Sciences collections have been in existence for more than 130 years. They include comprehensive collections of vertebrate fossils, as well as some fossil plants, pollen, minerals, rocks and gems. The collections contain about 120,000 specimens, with approximately 300 primary types. The vertebrate fossil collection contains a broad range of fauna from the Devonian to the Pleistocene. Particularly well represented are Cretaceous reptiles (including an impressive dinosaur collection with a number of hadrosaur and ceratopsian type specimens), Tertiary and Quaternary mammals, and Cretaceous and Devonian fishes.

Note: There is only limited public transportation to the collections facility, and most visitors will need access to a vehicle instead. Maps will be provided upon request. Because of the opening of the fossil gallery, staff will be very busy prior to the SVP meeting. If at all possible, we ask that you try to arrange your visit to the collections after the meeting, rather than before.

For appointments or more information, contact:

Kieran Shepherd, *Chief Collection Manager, Earth Sciences*
Canadian Museum of Nature
P.O. Box 3443, Station D
Ottawa, ON K1P 6P4
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Phone: 613/364-4054
Fax: 613/364-4027
E-mail: kshepherd@mus-nature.ca

The Canadian Museum of Nature also has extensive collections of vertebrates (alcohol preserved, cleared and stained, and osteological preparations), and houses the National Herbarium. For information on these collections and contacts, please see: www.nature.ca.

Geological Survey of Canada Collection

The Ottawa branch of the Geological Survey of Canada holds the national invertebrate and plant fossil collections. The collections include index fossils for the Palaeozoic and Mesozoic of Canada, as well as many other Canadian fossils, rocks and minerals.

For appointments to visit these collections or for more information, contact:

Jean Dougherty, Geologist
Geological Survey of Canada
Natural Resources Canada
601 Booth Street, GRth Floor, Room G15
Ottawa, ON K1A 0E8
Canada
Phone: 613/995-8746
Fax: 613/996-6575 (Write "attn: J. Dougherty" on any faxed material.)
E-mail: jdougher@NRCan.gc.ca

Travel / Lodging / Voyage et logement

Ottawa

The city of Ottawa is located on the south shore of the Ottawa River, in the province of Ontario, an hour's drive north of New York State. Ottawa is served by an international airport, located only 20 minutes from the downtown area. For those coming by road, Ottawa is an easy seven- to eight-hour drive from Boston, or about a 10-hour drive from New York City. It is only two hours west of Montreal, or five hours' drive northeast of Toronto. Ottawa can also be reached by rail (Amtrak/Via), with the railway station located about 10 minutes' drive from downtown Ottawa. Both the airport and train station are serviced by public transit buses, and taxis.

The Language of Ottawa

The SVP 66th Annual Meeting will be conducted in English. However, Ottawa is a bilingual city and you will hear French and English spoken in the streets, stores and restaurants. Both are official languages so you will likely be understood in either language. We've included a few basic or fun French phrases throughout this program to get you started. Just look for the *Styracosaurus albertensis* icon and you'll find another word or phrase to add to your French vocabulary.



Hotel Accommodations

The two meeting hotels, the Ottawa Marriott and the Crowne Plaza Ottawa hotels, will be the official meeting venues for the SVP 66th Annual Meeting. They are located directly across the street from one another and connected underground. The hotels are in downtown Ottawa, steps away from the magnificent Parliament buildings and within short walking distance of many restaurants, bars, shops and attractions, including the Byward Market.

Headquarters Hotel:

Ottawa Marriott
100 Kent St.
Ottawa, ON K1P 5R7
Canada
Phone: 613/238-1122
Fax: 613/783-4229
www.ottawamarriott.com

Rate: A single/double standard room is \$105 USD per night. Triple/quad occupancy is \$115 USD per night. Concierge level rooms are \$145 USD single. Room rates do not reflect any applicable taxes.

Reservations: To reserve a room at the Ottawa Marriott call 800/853-8463 in North America, for international callers dial 613/238-1122 and provide the group code: SVPSVPA. To register online, go to <http://marriott.com/property/propertypage/YOWMC>. In the optional information section, enter SVPSVPA in the group code section. Reservations must be made by Sept. 22, 2006, to secure the discounted rate. Discounted rooms are available Oct. 12–25, 2006. All reservations must be guaranteed and accompanied by a first night deposit or guaranteed with a major credit card. Reservations must be cancelled by 6 p.m. on the day of arrival.

Parking at the Ottawa Marriott is \$17 CAD plus tax per day.

Co-Headquarters Hotel:

Crowne Plaza Ottawa
101 Lyon St.
Ottawa, ON K1R 5T9
Canada
Phone: 613/237-3600
Fax: 613/237-2351
www.crowneottawa.ca

Rate: A single/double standard room is \$105 USD per night. Triple/quad occupancy is \$115 USD per night. Concierge level rooms are \$135 USD single/double per night. Room rates do not reflect any applicable taxes.

Reservations: To reserve a room at the Crowne Plaza Ottawa call 800/227-6963 in North America, international callers dial 613/688-6200 and mention the group code: SVP. To register online, go to www.crowneottawa.ca. Under corporate and group booking information enter the group code: SVP. Reservations must be made by Sept. 22, 2006, to secure the discounted rate. Discounted rooms are available Oct. 12–25, 2006. All reservations must be guaranteed and accompanied by a first night deposit or guaranteed with a major credit card. Reservations must be cancelled by 4 p.m. on the day of arrival.

Parking at the Crowne Plaza Ottawa is \$17 CAD plus tax per day.

Note: When you make reservations, you will be quoted a rate in Canadian dollars (CAD) that may fluctuate depending on when the reservation is made. The hotels will only charge the equivalent Canadian dollars of the confirmed USD noted above when you depart the hotel.

Air Travel Information

Airline reservations may be made through FCm Bannockburn Travel Solutions, the preferred agency for SVP meetings. When you call, ask for the group department and identify yourself as an SVP 66th Annual Meeting participant. FCm Bannockburn charges a processing fee on transactions but provides a discount to all SVP attendees.

International callers and callers in the state of Illinois call FCm Bannockburn Travel Solutions at 847/948-9111, ext. 3; callers from North America dial 866/341-7672.



Thank you (very much)

Merci (beaucoup)

Registration / Inscription

Local Transportation and Parking

The Ottawa International Airport is served by all major airlines. The airport is located approximately 30 minutes from the host hotels. YOW Airport Shuttle is SVP's recommended shuttle from Ottawa International Airport facilities. The cost for one-way service from the airport to the hotel is \$14 CAD (at the time of this printing).

Contact YOW Airport Shuttle for information or reservations at 613/260-2359.

Taxis are also available with a cost of approximately \$25 CAD one way.

Conference Attire/Weather

Attire for the SVP 66th Annual Meeting is casual. Ottawa's average high temperature in October is 55°F (13°C) and the average low is 37°F (3°C). Remember to check the weather before your arrival. Ottawa is located in the Eastern Time Zone.

Entering Canada— Customs and Immigration

Travelers entering Canada for the SVP Annual Meeting should consult www.keepexploring.ca for information on visa requirements and recommended travel documents.

Although a passport is the ideal identification, a passport or visa is not required for a United States citizen to enter Canada at this time. European passport holders do not require a visa to visit Canada. Travelers from other countries may require a visa or other documentation to enter or travel through Canada. Consult www.keepexploring.ca for details.

Registration Policies and Deadlines

Early registration discount deadline is Sept. 7, 2006.

Your registration includes admission to sessions, exhibits and social functions including the welcome reception, poster viewing, benefit auction, awards banquet and coffee breaks.

A registration form is included in this circular. Take advantage of the early registration rate before Sept. 7, 2006.

Advance registration will be confirmed in writing before the conference. Badges will be distributed at the SVP registration desk onsite.

Student Registration Verification

All nonmember students must provide a copy of a valid university or college identification card or documentation indicating student status with their registration form to receive the reduced student rate.

Registration

Location: Lower Level Foyer, Crowne Plaza

Tuesday, October 17	4:00 p.m. – 7:00 p.m.
Wednesday, October 18	7:00 a.m. – 5:00 p.m.
Thursday, October 19	7:00 a.m. – 6:00 p.m.
Friday, October 20	8:00 a.m. – 5:00 p.m.
Saturday, October 21	8:00 a.m. – 5:00 p.m.

Cancellation Policy

Cancellations must be received in writing by Sept. 7, 2006, to qualify for a refund. Before Sept. 7, 2006, cancellations will be subject to a \$75 USD charge. No refunds will be given after that date. Substitutions are allowed at any time but must be submitted in writing and be of the same membership status.

Abstract Books

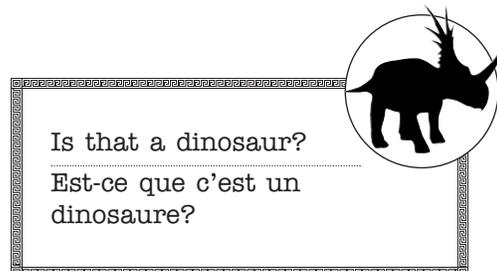
SVP members will receive the abstract book by mail in early September with the *Journal of Vertebrate Paleontology*, Vol. 26, No. 3. You must bring your 2006 abstract book to the meeting. Additional copies can be purchased at the registration desk. Nonmembers will receive a copy with their registration materials.

NEW—Abstract Book Online

The SVP 2006 abstract book will be available on line before the meeting. Headquarters will notify members and annual meeting attendees when it becomes available.

The Use of Cameras, Video Equipment or Recording Devices

The use of cameras, video equipment or any type of recording device is prohibited during the platform presentation and poster sessions at the SVP 66th Annual Meeting. For further information, contact the SVP Business Office at 847/480-9095 or svp@vertpaleo.org



*Field Trips / Excursions***Pleistocene Champlain Sea Deposits**

Tuesday, October 17, 2006

In the Late Pleistocene/Early Holocene, the area around Ottawa was covered by a marine sub-Arctic inland sea. The Champlain Sea covered approximately 25,000 square km, filling a large portion of the St. Lawrence Lowlands in the United States and Canada with brackish to nearly normally saline water. Fossils from Champlain Sea deposits are found in a number of localities, some preserving remains in mudstone nodules, and others as individual bones or shells in sandy deposits. Marine, fresh and brackish water paleoenvironments are represented. Abundant material of barnacles, Arctic mollusks, plants and Atlantic Capelin are found, with rarer finds of starfish, smelt, Atlantic cod, lake trout and several other fish species. Leopard frog, birds, harp seal, bowhead and beluga whales and American marten fossils add to the interesting mix.

The day will start with a trip to LaFlèche Cavern in Quebec, the largest cave in the Canadian Shield. This cave formed about 12,000 years ago when the Laurentide Ice Sheet retreated from the area, and is a source for some Late Pleistocene mammals and other vertebrates. From there we'll go to a picturesque picnic spot for lunch on Precambrian rocks in Gatineau Provincial Park. This site offers a great view overlooking the Ottawa River and a few Pleistocene localities. Fortified by lunch, we will visit two localities near the shore of the Ottawa River to collect nodules in Champlain Sea deposits, which may (or may not) contain fossils. Although collecting will be permitted, the Canadian Museum of Nature reserves first right of refusal on any fossils found.

Attire: The cavern will be about 41°F (5°C), so warm clothing is advised. Collecting sites are in stream beds and on beaches. If you wish to collect, rubber boots or hip waders would be useful. The collecting sites are often associated with "Leda Clay", an exceptionally slippery substrate. Be prepared to get muddy.

Departure: Marriott Ottawa, 8:30 a.m.

Return: Marriott Ottawa, 6:00 p.m.

Trip minimum: 18 people

Trip maximum: 38 people

Cost: \$60 USD per person (transportation, lunch, all fees, and guidebook included)

Registration Deadline: Sept. 7, 2006

Leaders:

Andrew Milner
St. George Dinosaur
Discovery Site
Johnson Farm
2180 E. Riverside Drive
St. George, UT 84790 USA
Phone: 435/574-3466
Fax: 435/627-0340
E-mail: amilner@sgcity.org

Michael Ryan
Cleveland Museum of
Natural History
1 Wade Oval Drive
University Circle
Cleveland, Ohio 44106 USA
Phone: 216/231-4600, Ext. 3246
Fax: 216/231-5919
E-mail: mryan@cmnh.org

Geology and Paleontology of the Ottawa Area

Tuesday, October 17, 2006

This field trip will provide an overview of the national capital region's geoscape, which features Precambrian rocks and extensive Paleozoic and Quaternary sediments and glacial features. Paleozoic sedimentary rocks in the Ottawa region are of Late Cambrian-Ordovician age, and rest unconformably on Precambrian rocks, which sometimes formed islands in the Paleozoic seas. These highly deformed basement rocks have been intruded by felsic to mafic plutons and exhibit a number of interesting structures. Cambrian rocks, primarily sandstones, include the Nepean Sandstone, the same formation in which the earliest known terrestrial trackways were discovered, southwest of Ottawa, near Gananoque. Ordovician deposits include a number of sedimentary facies, particularly shelf facies with a variety of marine faunas. Significant features of interest include extensive stromatolite fields. Vertebrate fossils are very rare, with only occasional scales of ostracoderms found to date. A wide variety of trilobites, brachiopods, cephalopods and bryozoans are found in some strata. Most of the overlying Late Quaternary and Early Holocene marine clays and sands are deposits from the Champlain Sea, an incursion of the Atlantic into the St. Lawrence and Ottawa River valleys following retreat of the Laurentian ice sheet. A rich vertebrate, invertebrate and plant assemblage characterizes these sediments.

The itinerary will include stops at features from each geological period. The main concentration will be on Paleozoic strata, with one or more quarry localities and a visit (water levels permitting) to an exposure of several hundred stromatolites visible in plan view. Limited collecting will be possible at one or more stops.

Attire: Comfortable walking clothes, gloves and sturdy footwear should be sufficient. Weather in early fall is expected to be in the long-sleeved shirt to light jacket range. Protective goggles, hard hats and a limited number of tools will be available for use in quarries. If possible, bring your own steel-toed boots if you wish to collect in the quarries. We can make available a few pairs in a limited range of sizes.

Departure: Marriott Ottawa, Noon

Return: Marriott Ottawa, 6:00 p.m.

Trip minimum: 18 people

Trip maximum: 38 people

Cost: \$45 USD per person (transportation and guidebook included)

Registration Deadline: Sept. 7, 2006

Co-leaders:

Allan Donaldson
Ottawa-Carleton Geoscience Centre
donaldson6427@rogers.com

Jean Dougherty
Geological Survey of Canada
E-mail: JDougher@NRCan.gc.ca
Phone: 613/995-8746
Fax: 613/996-6575

(Write "attn: J. Dougherty"
on any faxed material.)



6 6 T H A N N U A L M E E T I N G

Workshops / Ateliers

Adhesives for Paleontology Collections Workshop

Monday and Tuesday, October 16 and 17, 2006

Time: 8:30 a.m. – 5:00 p.m.

Location: Parks Canada, 1800 Walkley Road

NOTE: REGISTRATION FOR THIS WORKSHOP IS MANAGED EXCLUSIVELY BY CANADIAN CONSERVATION INSTITUTE (CCI) AT THE LINK LISTED BELOW

This two-day adhesive workshop, hosted by the Canadian Conservation Institute, combines scientific lectures on various adhesives of interest to the paleontology community with practical hands-on sessions. Lectures include:

- an introduction to adhesives and bonding,
- properties of a good adhesive for conservation with specific reference to paleontology collections,
- CCI research on the degradation of cyanoacrylate adhesives in the presence and absence of fossil material,
- CCI research on poly (vinyl acetate) and acrylic adhesives,
- CCI research on epoxy resin adhesives, and
- an overview of poly (vinyl butryal)s.

The workshop also includes the following practical hands-on sessions:

- comparison of various adhesives (i.e., cyanoacrylates, PVACs, acrylics, epoxy resins and PVBs) on fossil (and other) material,
- how to take a pH measurement of fossil material,
- how to calculate the force on a bond, and
- the examination of various adhesive additives.

Minimum number of participants: 30

Maximum number of participants: 45

Cost: \$265 USD or \$300 CAD (includes all workshop materials, manual, lunches, breaks, and transportation to and from the conference venue).

Transportation:

Transportation is provided as part of the registration fee. Registrants will be picked up from the Marriott Ottawa at 7:45 a.m. and returned to the hotel after the workshop concludes.

Registration:

Registration is being done through CCI only at:
http://www.cci-icc.gc.ca/learning-opportunities/SVP/index_e.aspx (for English)
 or http://www.cci-icc.gc.ca/learning-opportunities/SVP/index_f.aspx (for French)

Or contact:

Canadian Conservation Institute (CCI)
 Sales and Distribution Coordinator
 1030 Innes Road
 Ottawa ON K1A 0M5 Canada
 Phone: 613/998-3721; Fax: 613/998-4721
 Email: cci-workshop.atelier-icc@pch.gc.ca

Leader:

Jane Down, Senior Conservation Scientist
 Canadian Conservation Institute
 1030 Innes Road
 Ottawa, ON K1A 0M5 Canada
 Phone: 613/371-2182; Fax: 613/998-4721
 Email: jane_down@pch.gc.ca

Teachers' Workshop Extinction and Evolution — Investigating the Evidence

Saturday, October 21 9:00 a.m. – 4:00 p.m.

Location: The University of Ottawa
 90 University, Salon 120

Join an energetic team of paleontologists and science educators in a full-day, hands-on workshop. We will concentrate on the process of science — how we know what we know — and the importance of extinction and evolution in the understanding of the history of life. The workshop will combine informative sessions, discussions and hands-on activities for multiple grade levels. Discussion topics will coordinate with the upcoming exhibit on extinction at the Canadian Museum of Nature in Ottawa.

A flier containing additional information will be mailed to area educators and other interested individuals.

Maximum number of participants: 30

Transportation:

Transportation is not provided, however, the workshop is 2.1 km/ 1.3 mi. distance from the Marriott Ottawa and is a 20 minute walk. Almost all buses will take you close to the University, most notably bus #95. A cab ride to the workshop is approximately \$10 CAD.

Registration:

Registration for the Teachers' Workshop is available at <http://vertpaleo.org/meetings/>. Pre-registration for the Teachers' Workshop will be accepted online ONLY.

Workshop Contacts:

Julien Racette
 Canadian Museum of Nature
 P.O. Box 3443, Station D
 Ottawa, ON K1P 6P4
 Canada
 Phone: 613/566-4753
 Fax: 613/364-4746
 E-mail: jracette@mus-nature.ca

John Kubicek
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 P.O. Box 3443, Station D
 Ottawa, ON K1P 6P4
 Canada
 Phone: 613/566-4707
 Fax: 613/364-4746
 E-mail: jkubicek@mus-nature.ca

Field Trip Disclaimer

Advanced registration for all field trips is required. Onsite field trip registration will not be accepted. All field trips are subject to change. Check the SVP Web site at www.vertpaleo.org for updated field trip information.

SVP reserves the right to alter or cancel a field trip due to low registration or if access to sites is limited or closed to the public.

In the event of a field trip cancellation, SVP will refund fees in full.

*Workshops / Ateliers***Paleopathology Workshop
Evidence of Infection and Arthritis from
the Mesozoic to the Holocene**

Sunday, October 22 8:00 a.m.– Noon

Location: The Crowne Plaza Hotel

Reproducibility of patterns of arthritis and infection in amphibians, reptiles, dinosaurs, birds and mammals will be analyzed through geologic time, from the Mesozoic to the present. Diseases are recognized on the basis of characteristics whose specificity has been documented. Specificity of macroscopic patterns and epidemiology has been validated in contemporary mammalian populations. Radiologic examination may offer additional confirmation, be definitive on its own, or suggest new areas of investigation. Limitations of histologic examination of bone histology (e.g., inability to distinguish fracture and osteosarcoma histologically) will be discussed. This workshop transcends opinion-based diagnoses, which deny ability to relate diseases in humans with that of other animals, thereby eliminating testable hypotheses.

The question of generality of diagnostic abilities across vertebrate phyla and through time will be explored. What are the characteristics of a disease sufficient for recognition of that disease? When does a disease evolve beyond itself? What is the evidence that any non-human disease has evolved sufficiently beyond itself to be no longer recognizable? What phenomena are present in the paleontologic record that do not have a representation in contemporary mammals?

Minimum number of participants: 10**Maximum number of participants:** 100**Cost:** \$40 USD**Leaders:**

Bruce Rothschild
Arthritis Center of Northeast Ohio
5500 Market St.
Youngstown, OH 44512
USA
Phone: 330/759-3133
Fax: 330/783-5350
E-mail: bmr@neoucom.edu

Larry Martin
University of Kansas Natural History
Museum
1345 Jayhawk Blvd.
Lawrence, KS 66045-7561
USA
Phone: 913/843-7850

**Assessing and Managing Risks to
Your Collections**

Sunday, October 22 9:00 a.m. – 5:00 p.m.

Location: The Crowne Plaza Hotel

The objective of this non-technical workshop is to demonstrate to participants a method of assessing risks to collections that has been developed and implemented at the Canadian Museum of Nature. This workshop was designed and developed by conservators and collection managers for organizations and individuals interested in a global framework to determine their preventive conservation priorities and to learn how this can help them to invest their limited funds in a cost-effective manner. Participants come from varied backgrounds and working experiences.

The one day workshop will teach participants to:

- identify all the risks to which collections are exposed, which agents of deterioration are responsible and how risks differ;
- assess the relative importance of risks;
- understand how this tool can be used to effectively communicate collection care needs to obtain management and/or grant support .

Participants are provided with various learning tools including the workshop manual, which contains the complete two-day workshop content, exercises, references and a glossary of terms. Although the one-day workshop only deals with assessing risks to collections, the manual also covers the content of the second day of a full workshop that deals with managing risks to collections.

Minimum number of participants: 20**Maximum number of participants:** 45**Cost:** \$100 USD, includes manual for workshop**Leaders:**

Robert Waller, Chief Conservator
Canadian Museum of Nature
P.O. Box 3443, Station D
Ottawa, ON K1P 6P4
Canada
Phone: 613/566-4797
Fax: 613/364-4027
E-mail: rwaller@mus-nature.ca

Laura Smyk
Canadian Museum of Nature
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Ottawa, ON K1P 6P4
Canada
Phone: 613/566-4236
Fax: 613/364-4027
E-mail: lsmyk@mus-nature.ca



I love vertebrate
paleontology.

J'aime la paléontologie
des vertébrés.

Wednesday, October 18

Featured Events

Vertebrate Paleontology, Development and Evolution Symposium

Time: 8:15 a.m. – 12:30 p.m.

Organizers: Hans Larsson and Karen Sears

The synthesis of paleontology and developmental biology is a powerful approach to the study of evolution, and promises to yield hypotheses of evolution that transcend either individual field. Recent research utilizing both of these disciplines to address evolutionary questions presented at SVP, such as the evolution of bird and bat wing digits, supports this assertion. The combined study of paleontology and development falls under the umbrella of the fledgling science of evolutionary developmental biology (evo-devo). Since 1997, the date of the last symposium on evolution and development to be held at the annual SVP Annual Meeting, the field of evo-devo has significantly matured, with great advances in both paleontological and developmental methodologies, allowing the undertaking of new and exciting research at the crossroads of evo-devo and paleontology.

This symposium addresses the highlights of the combined use of fossil and developmental data to examine major evolutionary questions. The symposium is organized around case studies of major taxonomic groups and morphological transformations. Topics to be covered include: the morphology and developmental mechanisms surrounding the transition from jawlessness to jaws and fins to limbs; morphological and molecular hypotheses for the origin of feathers; the role of development in amphibian, whale and theropod skeletal evolution; modularity and the molecular basis of evolutionary change in the mammalian cranium; mammalian tooth evolution and development; and methods and theory of reconstructing ancestral character states from the aspect of development, morphology, and genetics. Although these topics do not cover the entire possible range of paleontological additions to evo-devo, they present some of the most encouraging research strategies employed today. The primary goals of this symposium are to present these research strategies in a venue that will inform paleontologists of the great contributions that developmental biology can make to the field of paleontology and the study of evolutionary biology, and inspire contributions to the growing field of evolutionary developmental biology.

SVP Town Meeting on Evolution IV

Time: 12:45 p.m. – 1:30 p.m.

Facilitator: Mark Terry

Since SVP began hosting town meetings on evolution education at the 2003 Annual Meeting, the number of local school board and state level controversies has only increased. We are increasingly challenged to go to a greater depth and increase our perspectives on the nature of these controversies. Join us for a lunchtime discussion facilitated by Mark Terry of the SVP Education and Outreach Committee. Share your experiences, frustrations and successes. Boxed lunches will be available for purchase.

A Global Perspective on Marine Reptiles and Their Evolution: An Elizabeth Nicholls Memorial Symposium

Time: 1:30 p.m. – 6:00 p.m.

Co-conveners: F. Robin O'Keefe, *New York College of Osteopathic Medicine*; Tamaki Sato, *Canadian Museum of Nature*

This symposium is in memory of Elizabeth Nicholls. Betsy was a successful and honored scientist, winner of the Rolex Award in 2000, and excavator of a huge ichthyosaur from British Columbia. Her organization of the last SVP marine reptile symposium, more than 10 years ago, and the publication of the book that arose from it, were landmarks in the study of marine reptiles. *Ancient Marine Reptiles* has become a standard reference in the field. We feel it is fitting and appropriate to celebrate Betsy's life and work by holding an SVP symposium in her honor. Betsy was Canadian, and a memorial symposium in Canada is therefore doubly appropriate.

The publications in Betsy's edited volume concern mainly animals from North America and Europe. However, in the nine years since the publication of this work, marine reptile paleontology has expanded to take on a truly global flavor. We plan to assemble workers who will speak on material from China, Japan and Australia, as well as others who will speak on important new faunas from North America and Europe. Marine reptiles were pelagic and cosmopolitan creatures, and it has become clear that an adequate understanding of their evolution must include a global perspective. The symposium will bring together researchers from disparate parts of the world, allowing scientific interchange. There will be a mixture of talks, some of which will have a global perspective, while others will be more focused on important new faunas. The third set of talks will increase our knowledge of currently known but poorly understood taxa such as Kronosaurus and the rhomaleosaurs. Marine reptile research is currently undergoing an explosion of interest around the world, and the time is ripe to present a global perspective. Lastly, Betsy's work has played no small part in inciting this growth of research attention, and a global symposium will be a fitting tribute.

Welcome Reception

Time: 7:00 p.m. – 10:00 p.m.

Location: Canadian Museum of Nature

A light dinner and a cash bar will be provided. The reception is included in the registration fee.

*Thursday, October 19***Featured Events** (continued)**Alfred Sherwood Romer Prize Presentations**

Time: 8:00 a.m. – 12:30 p.m.

Committee Chair and Moderator: Ryosuke Motani

The Alfred Sherwood Romer Prize Session is composed of platform presentations submitted by Predoctoral students. Based on quality of the oral presentation and the scientific value of the study, the Alfred Sherwood Romer Prize is awarded and presented at the Saturday awards dinner.

Preparators' Symposium

Time: 8:00 a.m. – 12:30 p.m.

Co-conveners: Mike Getty and Greg Brown

The Preparators' Symposium for SVP 2006 will be a forum for presentations on current issues in paleontological preparation. This symposium presents information relevant to the most basic level of this science, of importance to any researcher who looks at fossils or works in collections. We will continue in our efforts to improve the level of paleontological preparation in order to best expose the information contained within the bones and to best protect the specimens in our care. As has become usual for this symposium, we will accept submitted abstracts, to encourage participation by all those interested in preparation and so that we may have the broadest possible representation of current techniques and materials.

SVP Annual Business Meeting

Time: 5:30 p.m. – 6:30 p.m.

SVP members are encouraged to attend this informative meeting about the society.

PRESS CONFERENCE

Members of the media are cordially invited to attend the 2006 SVP meeting in Ottawa, Canada, and report on the proceedings.

Time: Noon – 1:00 p.m.

Members of the media are encouraged to contact Kristina Curry Rogers, SVP media liaison, with requests or questions. Phone: 651/221-4717; Fax: 651/221-4525; E-mail: krogers@smm.org

Student Roundtable Forum and Reprint Exchange

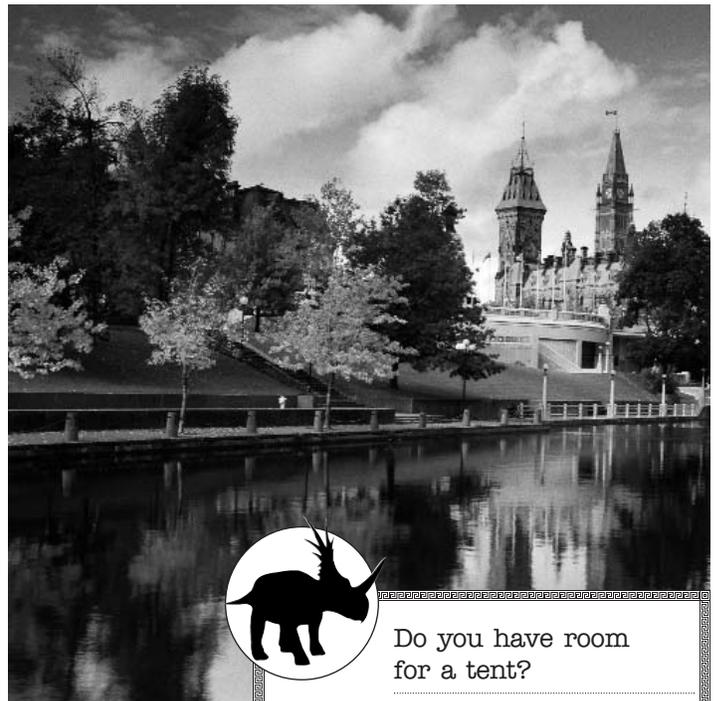
Time: 6:30 p.m. – 8:00 p.m.

During this informal session students can network and receive accurate and important advice from the respected experts and leaders on pertinent topics such as:

- How to apply for a grant
- How to choose a graduate school
- How to organize a field project
- How to write and improve your curriculum vitae
- How to submit a manuscript to the *Journal of Vertebrate Paleontology*

The Student reprint exchange is a chance for you to build your library, free of charge.

Recent reprints on all areas of vertebrate paleontology will be available through the generous donations of SVP members. Refreshments and snacks will be provided as part of the student registration fee. For more information about this function, contact the Graduate Student Liaison Andrew Farke at: andyfarke@hotmail.com.



Do you have room
for a tent?

Avez-vous de la place
pour une tente?

Friday, October 20

Featured Events (continued)

3D Imaging: New Techniques and Applications Symposium

Time: 8:00 a.m. – 12:30 p.m.

Co-conveners: Suzanne G. Strait & Alistair Evans

A great deal of paleontology is about shape — through the shape of fossils we interpret paleoecology, phylogeny and function of extinct organisms. However, the majority of paleontological work over the last century has neglected any quantification of the full three-dimensional shape, and therefore has not considered the full biological complexity. However, we are now on the brink of a significant change: the world is now entering the 3D age, and it is important for the public image of paleontology to be a part of this revolution.

The explosion of 3D data collection in recent years, in both the methods and applications, has started to open doors for paleontological questions that have previously only been possible in principle, and expand the horizons to questions never before considered. More economical possibilities for scanning and imaging in 3D are continually appearing, using both physical contact and optical devices, and the advances in desktop computing power now mean that the processing and analysis of the data are feasible on a limited budget.

This symposium will have appeal to a significant proportion of the SVP membership. The scope of the topic is not limited taxonomically; these techniques are equally applicable to fish, dinosaurs or mammals. Likewise, any morphological system can be included, ranging from skeletal and dental to soft tissue. The possible research questions that can be addressed using these techniques cover all biologically-relevant spatial and temporal scales: micro- and macroevolution, functional morphology, phylogenetics and reconstruction of body size. The symposium will also address all aspects of 3D analysis: data collection, processing and manipulation, methods for quantifying 3D data, databases development, and applications to the fossil record.

Women in Paleontology Luncheon

Time: 12:30 p.m. – 1:30 p.m.

Join us for the second annual Women in the Society of Vertebrate Paleontology luncheon. This year we will have a panel of women members discussing how to plan and implement your first field trip. The panelists will be: Anjali Goswami, Karen Samonds and Robin Whatley. Boxed lunches will be available for purchase.

24th Annual SVP Benefit Auction and Social

Time: 6:30 p.m. – 10:30 p.m.

Start gathering items to be donated for the annual auction. Auctioneer Brent Breithaupt will entertain bids.

Unique Opportunity! The Canadian Museum of Nature and Research Casting International are collaborating to produce a full-size cast of CMN 344 the holotype skull of *Styracosaurus albertensis*. This will be up-for-grabs at the SVP 2006 Annual Auction. Bring your check books and bank drafts!!

For more information on the SVP Auction, contact:

Brent H. Breithaupt

Director of Museum
Geological Museum
University of Wyoming
Laramie, WY 82071-3006
Phone: 307/766-2646
Fax: 307/766-6679
E-mail: uwgeoms@wyo.edu



Proceeds from the auction will benefit Student Travel Awards

Saturday, October 21

The Start of the Radiation of Neoceti Symposium

Time: 8:00 a.m. – 12:30 p.m.

Co-conveners: Ewan Fordyce and Mark Uhen

Cetacean research has advanced enormously in the last two decades. Perhaps the best-known contributions are those involving origins and initial radiation of Archaeoceti. Meetings over the last decade have also seen many contributions on the Neogene stages of history of Neoceti — “modern” whales and dolphins — but no single focused symposium since the North American Paleontological Convention meeting in Washington, D.C., 1996. Research is moving towards “closing the gap” — identifying and interpreting issues involved with the origin and initial radiation of the Neoceti, in latest Eocene and Oligocene times. The symposium should be of interest to an audience beyond the normal spectrum of SVP attendees, given the importance of cetaceans (which are generally from well dated sequences) in helping calibrate the mammalian molecular clock.

This symposium will provide a venue to present research bearing on the early history of Neoceti (namely, early Odontoceti and early Mysticeti). It will consider at least three broader groups of topic:

- a) Contributions based around fossils of early Neoceti, desirably in the range late/latest Eocene to Oligocene/Miocene boundary (Priabonian to basal Aquitanian). Topics should be of broader importance rather than routine reports of, for example, new records of species in well-known groups.

*Saturday, October 21 (continued)***Featured Events** (continued)

- b) Contributions on later archaeocetes that deal with transition from Archaeoceti to Neoceti. More-basal groups such as protocetids and pakicetids might be considered if they explicitly address key issues within the Neoceti, but the preference is for the later basilosaurids and dorudontids.
- c) Molecular studies, or studies on younger fossils, or anatomical studies on extant mammals that explicitly elucidate the early history of Neoceti. This aspect would embrace "evo-devo" issues.

Awards Banquet

Time: 7:30 p.m. – 10:00 p.m.

The Society's awards and prizes will be presented after dinner. Casual attire.

Banquet Seating

This year we will have a banquet seating chart sign-up at the SVP Registration Desk. Anyone attending the banquet is asked to reserve their seat. To avoid duplicate reservations, each banquet attendee must reserve their own seat — full tables, or multiple seats cannot be reserved.

After Hours Party

Time: 10:00 p.m. – 2:00 a.m.

Bid farewell to friends and colleagues before departing for home. A DJ will provide entertainment and a cash bar will be available.

**PRESENTATION GUIDELINES/
POSTER SCHEDULE****Presentation Guidelines**

A complete guide to the available audiovisual equipment will be posted on the SVP Web site at www.vertpaleo.org in June 2006. It is critical that you follow the specific guidelines when preparing your presentation.

Speaker Ready Room

One audiovisual practice room will be available during the meeting. Space and practice equipment will be limited.

Abstract Status

Poster and platform presentation primary authors were notified at the end of June. Abstracts for posters and platform presentations will be peer reviewed and, if accepted, published in the supplement to the *Journal of Vertebrate Paleontology* Vol. 26, No. 3, and posted on the SVP Web site.

Poster Presentation

Posters will be grouped thematically. In order to achieve the best exchange of ideas and information, authors are asked to be present at their posters when the viewing sessions are unopposed by platform sessions.

Poster Schedule**Wednesday, October 18****Poster Session I**

Poster Presenter I Setup 4:30 p.m. – 8:30 p.m.

Thursday, October 19

Poster I Viewing 9:30 a.m. – 5:00 p.m.

Poster Reception 3:00 p.m. – 5:00 p.m.
(poster presenters I must be present)

Poster Session I Removal 5:00 p.m.

Friday, October 20**Poster Session II**

Poster Presenter II Setup 7:00 a.m. – 9:30 a.m.

Poster II Viewing 9:30 a.m. – 5:30 p.m.

Poster Reception 3:30 p.m. – 5:30 p.m.
(poster presenters II must be present)

Poster Removal 5:30 p.m.

Saturday October 21**Poster Session III**

Poster Presenter III Setup 7:00 a.m. – 9:30 a.m.

Poster II Viewing 9:30 a.m. – 6:30 p.m.

Poster Reception 4:30 p.m. – 6:30 p.m.
(poster presenters III must be present)

Poster Removal 6:30 p.m.

The SVP Business Office and the Host Committee cannot be responsible for posters that are not removed on time.



Have a nice day!

Bonne journée!

Society of Vertebrate Paleontology

66th Annual Meeting Registration Form

Please Complete (Type or print clearly)

Early Registration Discount
 Deadline: September 7, 2006
 Register Today!
 Only onsite registrations will be
 accepted after October 4, 2006



Last Name/Surname		First Name/Given Name	
Institution, Organization or Affiliation (as you wish it to appear on your badge)		Professional Title	
Mailing Address			
City	State/Province	Zip/Postal Code	Country
Telephone		Fax	
E-mail			
Emergency Contact Information: Name		Telephone	



Mail your completed form with payment to:
 Society of Vertebrate Paleontology
 33552 Treasury Center
 Chicago, IL 60694-3500



Fax your completed form with the credit card information to 847/480-9282.



Register on the secure SVP Web site:
www.vertpaleo.org

Telephone registrations cannot be accepted.



Attach any special needs to your registration form.

Registration Fees (in USD)

	Before Sept. 7	After Sept. 7 and onsite
SVP Member	<input type="radio"/> \$240	<input type="radio"/> \$320
Nonmember	<input type="radio"/> \$365	<input type="radio"/> \$485
SVP Student Member	<input type="radio"/> \$125	<input type="radio"/> \$180
Nonmember Student	<input type="radio"/> \$200	<input type="radio"/> \$230
<small>(ID required for all student nonmember registrations)</small>		
One-Day Registration — Circle one day only:	<input type="radio"/> \$185	<input type="radio"/> \$245
Wednesday Thursday Friday Saturday		
Social Functions Only	<input type="radio"/> \$115	<input type="radio"/> \$165
<small>(Applicable for social functions and coffee breaks only. Does not include admittance to technical sessions.)</small>		
Name for Social Functions Only Badge		

REGISTRATION SUBTOTAL \$ _____

Field Trips

- I. Pleistocene Champlain Sea Deposits \$60
 Tuesday, October 17
- II. Geology and Paleontology of the Ottawa Area \$45
 Tuesday, October 17

Field Trips (non refundable after September 7, 2006)

FIELD TRIP SUBTOTAL \$ _____

Nonmember registrants may join the society to qualify for the discounted member registration fee. A completed membership application must accompany the registration form. Visit www.vertpaleo.org for a membership application.

- 2006-2007 Membership (if applicable) Regular \$105
- (Student ID required with application) Student \$50

MEMBERSHIP SUBTOTAL \$ _____

Workshops —

Workshop registration **is not** limited to annual meeting attendees.

Teachers' Workshop — Saturday, October 21—REGISTER ONLINE ONLY!

- I. Paleopathology Workshop — Sunday, October 22 \$40

II. Assessing and Managing Risks to Your

- Collections Workshop — Sunday, October 22 \$100

WORKSHOPS SUBTOTAL \$ _____

TOTAL ENCLOSED \$ _____

I plan to attend the following:

- Evolution Luncheon — Wednesday, October 18
- Welcome Reception — Wednesday, October 18
- Student Roundtable Forum — Thursday, October 19
- Women in Paleontology Luncheon — Friday, October 20
- Annual Auction — Friday, October 20
- Awards Banquet — Saturday, October 21

Payment

- MasterCard
- VISA
- American Express

Name on Credit Card _____

Card Number _____

Expiration Date _____

Signature _____

Billing address if different than registration address:

- Check/Money Order payable to: **Society of Vertebrate Paleontology**

Payment in USD must accompany this form. Do not send cash. SVP Taxpayer ID 06-0906643

Registration Policies

If you submit your form more than once, it may result in a duplicate charge on your credit card. Please send your registration using only one method of payment. Cancellations must be received by September 7, 2006 to qualify for a refund. Before September 7, 2006 cancellations will be subject to a \$75 charge. No refunds will be given after that date. Substitutions are allowed at any time but must be submitted in writing and be of the same membership status.

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SVP PROGRAM OFFICER

If you have questions regarding the program, your presentation or abstract, check the SVP Web site for frequently asked questions or contact the SVP Program Officer.

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SVP Business Office

For general questions regarding the 66th Annual Meeting of the Society of Vertebrate Paleontology, contact the SVP Business Office.

The business office will coordinate registration and exhibits for the SVP Annual Meeting.

SVP Business Office

60 Revere Drive, Suite 500
Northbrook, IL 60062
847/480-9095
Fax 847/480-9282
svp@vertpaleo.org
www.vertpaleo.org



Where are the birds?
Où sont les oiseaux?

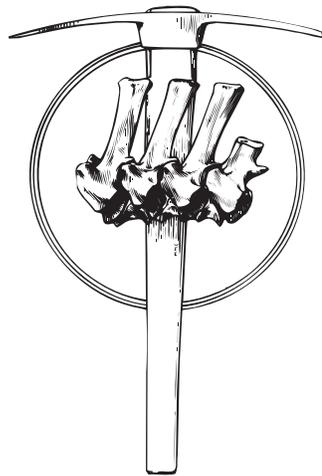


Where can I get a taxi?
Où est-ce que je peux
prendre un taxi?



Save The Date!

OCTOBER 17-20, 2007



**The Society of Vertebrate Paleontology
67TH ANNUAL MEETING**

**October 17–20, 2007
Hilton Texas • Austin, Texas**

2006

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SVP 66TH ANNUAL MEETING
OCTOBER 18-21, 2006
SECOND CIRCULAR

Field Trip Registration Deadline — September 7, 2006

Early Registration Deadline — September 7, 2006

Hotel Reservation Deadline — September 22, 2006