



museums
UNIVERSITY OF ALBERTA



REPORT OF THE UNIVERSITY OF ALBERTA MUSEUMS

INCLUDING THE REPORT OF THE COLLECTIONS COMMITTEE

1 July 2000–31 March 2003



where Wonder meets Wisdom



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Executive Summary



This report is an overview of the activities of the Collections Committee for the period 1 July 2000 to 31 March 2003, including selected highlights of achievements and updates on museum projects.

The University of Alberta Museums hold a world of wonder and discovery for the inquisitive mind. They provide exceptional learning opportunities that enable new generations and diverse communities to explore and benefit from a vast array of world-class research and scholarship.

United under the umbrella of the University of Alberta Museums, the activities of 35 museums and collections are facilitated and advanced by an administrative model that includes:

- **Department of Museums and Collections Services (MACS)** — a central source of information, services and programs, in the portfolio of the Associate Vice-President (Learning Services);
- **Curators' Committee** — an advisory group and forum for information exchange;
- **Collections Committee;**
- **Community representatives** (e.g., The Friends of the University of Alberta Museums).

Together, members of this administrative model work to ensure that the museums and collections meet the needs of the University and its diverse audiences.



A young researcher examines a salamander

Introduction

Collecting is a passion fuelled by a quest for knowledge.

The University of Alberta Museums have been developed over a 90-year period by researchers whose passion for discovery has led them to explore the world locally, nationally and internationally.

Faculty, staff, students, volunteers and individuals associated with the University of Alberta Museums have experienced a productive period. Activities ranging from international research partnerships to the exhibition of artworks in Prague, Czech Republic, have been successfully achieved.

This report is illustrated with examples from the wide range of activities and achievements associated with the people and resources that collectively form the University of Alberta Museums. Some of the results reflected in the following information include expanded access to the University's object-based resources, continued growth of technology-based learning opportunities, and new work-experience opportunities for students.

Some quick facts about Museum Collections:

- **monthly Virtual Museum visits average 240,000 hits**
- **1,500 school children took part in the MUSE Project in its first (pilot) year**
- **17,000 individuals visited 15 museums over one year**
- **annually, up to 150 individuals contributed more than 2,400 hours of volunteer work, for a total of 6,000 hours over the period of this report**
- **\$368,000 in museum grant funding secured**
- **new acquisitions valued at more than \$500,000 in one collection alone, the U of A Art and Artifact Collection**
- **more than 20 million objects (specimens, artifacts, works of art)**
- **35 museums and collections in 18 academic units**



University Art and Artifact
Collection volunteers
Lenore Stoneberg and
Normand Berube

MEMBERSHIP

→ Chair

Dr F Sperling, *Department of Biological Sciences* (1 July 2001 to 30 June 2003)

Dr J Rossiter, *Department of History and Classics* (30 Oct. 2000 to 30 June 2001)

Dr M Wilson, *Department of Biological Sciences* (27 Nov. 1998 to 30 Oct. 2000)

→ Ex Officio (voting)

J Andrews, *Executive Director, LSE Group/Museums and Collections Services*

Dr F Sperling, *Department of Biological Sciences, and Chair, Curators' Committee*

J Boberg, *President, The Friends of the U of A Museums*

G Brooks, *President, The Friends of the U of A Museums* (to 30 Sept. 2002)

→ Curators' Committee (elected)

Dr M Wilson, *Department of Biological Sciences*

Dr D Rayner, *Department of Laboratory Medicine and Pathology*

Dr A Nahachewsky, *Department of Modern Languages and Cultural Studies*

Dr C Paszkowski, *Department of Biological Sciences*

Dr R Belland, *Herbarium of Cultivated Plants, Devonian Botanic Garden* (to 30 June 2000)

Dr J Rossiter, *Classics Museum, Department of History and Classics* (to 30 June 2000)

→ General Faculties Council (elected)

A Schmude, *Office of the Registrar and Student Awards*

W Quoika-Stanka, *Weir Law Library*

Dr D Barnet, *Department of Drama* (to 30 June 2001)

→ Graduate Students' Association (elected)

M Billinger, *Department of Anthropology*

C Schmidt, *Department of History and Classics* (to 30 June 2001)

→ Undergraduate Student Representatives

L Heins, *Department of Human Ecology*

S Smith, *Department of Biological Sciences* (to 30 June 2002)

A Read, *Department of Anthropology* (to 30 June 2001)

→ Secretary (non-voting)

F Blondheim, *Museums and Collections Services*

Meetings

From 2000–2003, the Collections Committee met six times:
on 30 October 2000, 12 February 2001, 4 June 2001,
30 October 2001, 5 February 2002 and 28 January 2003.

Return of Cultural Property Subcommittee

In August 2000, a Return of Cultural Property Subcommittee was formed to guide the University of Alberta's process of responding to requests for the return of cultural property that pertains to ethnic/cultural/national groups or bodies. This ten-person committee is a subcommittee of the Collections Committee. Subcommittee members are:

→ **Ex Officio** (voting)

J Andrews, *Executive Director, LSE Group/Museums and Collections Services (Chair)*

Dr F Sperling, *Chair, Collections Committee*

Dr N Lovell, *Chair, Department of Anthropology*

→ **Appointed** (voting)

Dr M Evans, *Department of Anthropology*

Dr R Le Blanc, *Department of Anthropology*

T Hunter, *Museums and Collections Services*

Dr J Dempsey, *Native Studies*

Dr P McCormack, *Native Studies*

Dr M Wilson, *Biological Sciences*

ACTIVITIES AND ACCOMPLISHMENTS

Issues

The following are selected key issues that were brought forward to the committee for discussion:

—→ **Issue One: Ongoing return of cultural property claims and associated activity**

Outcome: MACS led the establishment of a Return of Cultural Property Subcommittee, with campus-wide representation as claims can involve many disciplines. The subcommittee's role is to develop policy and assess requests. The committee met twice and dealt with two requests received by the Department of Anthropology. The Return of Cultural Property Policy was developed and subsequently approved on 5 February 2002 by the Collections Committee and made available on-line. The two requests were:

Seafort Remains-Rocky Mountain House National Historic Site: A series of meetings and consultations with various stakeholders was completed, resulting in the reburial of fourteen individuals, completed on 13-14 September 2002 at the Rocky Mountain House National Historic Site.

Rossdale Remains-EPCOR Site: This request for the return of cultural property involves six individuals and associated grave goods, and is in progress. Several meetings have been held with the community and detailed information concerning the remains given to relevant community groups.

—→ **Issue Two: Access and ownership**

Outcome: In order to clarify policy surrounding ownership of information and access to it, the Collections Committee oversaw the drafting of a policy and guidelines document. This draft policy was reviewed by the Collections Committee in February 2002. Revisions were requested and a redraft is in progress.

Policy and Guidelines for the University's Collections

Policy for the University of Alberta Museums and Collections, and its companion document, *Guidelines for the University of Alberta Museums and Collections*, were published in 1993 and required updating to include new polices and reflect changes in legislation (e.g., FOIPP, Provincial Government Disposition Regulations), University policy and administrative structures. The amended documents were recommended for approval by the General Faculties Council and given final approval by the Board Educational Affairs Committee on behalf of the Board of Governors in December 2001 and are available on-line and in printed form as required.

Case Statement/New Museum

The draft case statement developed in 1999-2000 was reformatted and submitted to the University of Alberta's capital campaign for consideration. Subsequently, the Alberta government approached the University with an opportunity to partner in the creation of a new museum to commemorate the province's centenary in 2005. A memorandum of understanding, as a commitment to explore the potential for a new museum, was signed by the two organizations prior to the provincial election in early 2001.

In the spring of 2001, MACS met with select deans and chairs and organized an ad hoc committee of chairs and curators. This information-gathering process led to the development of a draft document outlining the University's vision for a new museum and identifying benchmarks and ball-park cost figures. At the same time, the University began to further explore the new museum opportunity through discussions with representatives of the Provincial Museum of Alberta. The project is still under consideration by the Alberta government and the University.

where wonder meets wisdom



Muse Project researchers
examine beetle specimens at the
entomology exhibit in
Education South

Funding-Needs Adjudication

An annual activity of the Collections Committee is the adjudication of funding requests solicited from the curators of the collections to be funded through either the Community Outreach Endowment Fund or forwarded to The Friends of the U of A Museums for consideration. The following funding was requested and distributed between July 2000 and March 2003:

2000-2001

Funds requested	128,492
Funds available	- 11,875
Outstanding requests	116,617
Friends donation	- 8,610
Remaining outstanding requests	108,007

2001-2002

Funds requested	43,178
Funds available	-11,890
Outstanding requests	31,288
Friends donation	-8,600
Remaining outstanding requests	22,688

2002-2003

Funds requested	59,953
Funds available	-11,984
Outstanding requests	47,969
Friends donation	-13,427
Remaining outstanding requests	34,542

One of the University's goals is to respond to enrolment and funding challenges by attracting additional resources. In order to fulfil program needs, faculty and staff associated with the University's museums and collections prepare and submit grant applications, create collaborations and form partnerships.

Section One

Museum and Collections Services coordinates and/or facilitates campus-wide applications to several funding agencies. The following summarizes funding acquired for collections projects. Complete information regarding funding acquired directly by individual collections is not available. For funding details see Appendix Three, Section One.

→ University of Alberta Sources (\$105,068)

\$69,799	Friends of the University of Alberta Museums
\$32,109	Community Outreach Endowment Fund
\$3,160	Emil Skarin Fund

→ Government of Alberta (\$112,007)

\$73,780	Edmonton Community Lottery Board
\$35,455	Museums Alberta
\$2,772	Summer Temporary Employment Program

→ Government of Canada (\$139,697)

\$20,677	Young Canada Works (Canadian Heritage)
\$9,600	Cultural Human Resource Council (Canadian Heritage)
\$89,260	Virtual Museum of Canada (Canadian Heritage)
\$20,160	Canada's Digital Collections (Industry Canada)

→ Other (\$11,250)

\$11,250	Winspear Fund
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Total funds received for collections on campus \$368,022



Section Two

Curators, or contacts, are designated from among the academic staff in each faculty or department to undertake duties and responsibilities related to museums and collections. Each is actively involved in research, much of which relates directly or indirectly to the collections resources.

The following summarizes research grants received by faculty who are designated curators or contacts. These figures reflect information provided by the Research Services Office for grants received between 1 April 2000 and 31 March 2003. For funding details, see Appendix Three, Section Two.

- **University of Alberta Sources (\$9,338)**
 - \$7,600 Central Research Fund
 - \$1,738 EFF Support for the Advancement of Scholarship
- **Government of Alberta (\$31,700)**
 - \$1,700 AHFMR Internal Allocations Committee
 - \$30,000 Alberta Research Council
- **Government of Canada (\$1,637,704)**
 - \$73,400 Health Canada
 - \$1,064,934 Natural Sciences Engineering Research Council
 - \$203,280 Canada Foundation for Innovation
 - \$115,190 Human Resources Development Canada
 - \$48,000 National Research Council
 - \$32,900 Sustainable Forest Management Network (NCE)
 - \$100,000 Canada Research Chair
- **Government of the United States (\$70,000)**
 - \$70,000 United States Department of Agriculture, Forest Service
- **Other (\$184,295)**
 - \$35,000 EPCOR
 - \$30,000 Alberta-Pacific Forest Industries Inc
 - \$37,950 Various Companies
 - \$30,000 Oil Sands Reclamation Research Network
 - \$5,870 National Geographic Society
 - \$13,500 Ukrainian Canadian Foundation of Taras Shevchenko
 - \$27,275 Weyerhaeuser Canada
 - \$4,700 Mountain Equipment Co-op

Total \$1,933,037

SELECTED KEY ACTIVITIES AND ACCOMPLISHMENTS

Multi MIMSY Digitization Initiative

As part of campus-wide efforts to ensure the accessibility of U of A collections, information management staff have completed several major projects involving the development of databases, searchable web interfaces and digitalization of collection holdings. These include:

- Four industry-standard Multi MIMSY collection databases were developed for use by the following collections: Archaeology/Zooarchaeology, Ethnomusicology, Mineralogy and Ukrainian Folklore. Some 25,000 records have been added to the new databases.
- Four collections—Entomology, Paleobotany, Ukrainian Folklore and Vertebrate Paleontology—were the focus of on-line searchable database development, including development of on-line specimen mapping over the Internet. More recently, a project funded by Canada's Digital Collections (Industry Canada) has enabled development of search tools for the Ukrainian Folklore Photo Collection, which will soon be integrated into the existing on-line search site.
- Seven collections have made significant progress in digitally photographing their holdings. These include Clothing and Textiles, Entomology, Ethnology (UAAAC), Mineralogy, Paleobotany, Ukrainian Folklore and Vascular Plants. Some 12,000 objects, specimens and works of art have been photographed, the majority of which have been linked to their respective Multi MIMSY database. More than 20,000 records from the Entomology Collection have been entered into the database.



Student volunteer accesses the Multi MIMSY database in the Classics' Museum



New logo of the
University of Alberta
Museums

Visual Identity

MACS oversaw the creation of a new concept to identify all museums and collections under one brand—the University of Alberta Museums.

This new identity was established to raise the profile of the University’s 35 museums and collections and convey their accessibility to target audiences, the high level of professionalization of the museums and collections and their role on campus as exciting places to visit. Elements of the new brand include:

- A visual identity system that is flexible and can adapt to a variety of applications, is immediately recognizable, and links to the University of Alberta.
- A theme — *“From Wonder to Wisdom”* — and variations that include “where wonder meets wisdom” allow the multidisciplinary composition of the University of Alberta Museums to be showcased.

where *Wonder* meets *Wisdom*





“Looking West: Alberta Landscapes, Past and Present”
Selections from the University of Alberta Art and Artifact Collection

This exhibit highlighted over 90 works of art from the University of Alberta Art and Artifact Collection (UAAAC) that depict the Alberta landscape as interpreted by more than 30 local, national and international artists. Included were works by AY Jackson, Walter Phillips, Henry Glyde, Liz Ingram, George Webber and Ryoji Ikeda.

Presented in partnership with The Works International Visual Arts Society, the exhibit was staged in the Art Expo 2001 Exhibit Pavilion and ran from 22 June through 15 August 2001, coinciding with the 8th IAAF World Championships in Athletics hosted by the City of Edmonton. Walk-in attendance reached 8,500 individuals. Sponsors of the exhibit included the University Alberta Emil Skarin Fund and The Friends of the University of Alberta Museums.

A virtual exhibit of “Looking West” was launched concurrently with the physical exhibit, as the first component of the University of Alberta Museums Virtual Museum web-site initiative. Over 10,000 virtual visitors viewed the on-line exhibition at www.museums.ualberta.ca/lookingwest in the first three months.



Installation view of the University Art and Artifact Collection “Looking West” exhibition, part of “The Works” 2001 festivities in downtown Edmonton



University of Alberta Museums Virtual Museum Web Site

Content development, design and production of the new University of Alberta Museums Virtual Museum web-site infrastructure began in earnest in October 2000 and was completed in October 2001. The project was funded in part by the federal government's Millennium Bureau. Museums and Collections Services led this initiative, working closely with curators (faculty) and other collections representatives (staff) to build a site offering both superior design and substantive content.



The Virtual Museum web site focuses on exploration and discovery through collections-based research, integrating a variety of multimedia-rich components and themes. To date, the site has received over 3.5 million hits, averaging approximate 240,000 per month.

The University of Alberta Virtual Museum web site was recognized with the following awards: Honourable Mention for the 2001 Alberta New Media Awards in the Education category; a silver award from the CASE District VIII (Council for Advancement and Support of Education) in the Electronic Media—web sites category; finalist for Best On-Line Exhibition for “Looking West: Alberta Landscapes, Past and Present” and Best Museum Research Site for

“Dig Into Our Collections: Entomology” in the Best of the Web, sponsored by the Pittsburgh-based Archives & Museums Informatics.

University of Alberta
Museums home page

MACS is entering into an evaluation phase to ensure that site content is meeting the research and teaching needs of the University, as well as the needs of various audience members. A strategic plan that maps content and functionality directions will be developed.



Home page for the Joffre Bridge project web site



Wendy and Iggy of KidZone fame



The KidZone Advisory Group reviews the KidZone web site with Janine Andrews, Executive Director, LSE Group/Museums and Collections Services

Following the creation of the U of A Virtual Museum web site, two new components were added to the site:

→ Joffre Bridge Fossil Exhibition

The Joffre Bridge Fossil Exhibition was created by Museums and Collections Services, the Curator of Paleobotany Collections and a team



of six U of A students. This interactive exhibit explores the rich fossil record from Joffre Bridge, one of the most significant fossil-collecting localities in south-central Alberta, with an emphasis on fossil plants.

Visitors can explore the web

site at: www.museums.ualberta.ca/exhibits/joffrebridge/home/htm. The exhibition was made possible by support from the federally funded Canada's Digital Collections program. The site receives approximately 3,000 hits per month.

→ KidZone

The KidZone web site, an interactive Internet destination for boys and girls, was launched in the fall of 2002. Aimed at both entertaining and educating, this colourful site includes original stories, quizzes, games and off-line activities. The interactive components of KidZone link to University of Alberta museums and collections and provide school-age children with a unique and fun way to learn about the University.

The KidZone project was funded in part by the Virtual Museum of Canada Investment Program and the Edmonton Community Lottery Board. The strategy underlying the design and production of KidZone, a bilingual site, was to build an interactive web site for kids based on the University of Alberta museums and collections and derived research that promotes wonder, focus and discovery. A KidZone Advisory Group of 11 boys and girls between the ages of nine and 13 years met on a regular basis throughout the development period and advised staff of the Department of Museums and Collections Services on the development of KidZone. The graphic content of KidZone was designed by the Hull-based company lab)ideéclie.

The next phase of development focuses on the development of a sustainability plan that will include marketing and communication strategies, evaluation of the site with children and educators, and the development of additional content and interactive components.

The MUSE Project

→ The MUSE Project is a free, curriculum-based educational program, targeted at students in Grades 5 through 9, that provides access to the University's extensive research collections. An engaging way to discover the wonders of the research process, the MUSE Project consists of an interactive tour to selected museums and Discovery Sites at the University. Following the on-site program, teachers may borrow a Discovery Kit that provides museum objects and resources to help students continue their research journey. The MUSE Project, funded in part by the Edmonton Community Lottery Board, Museums Alberta, the Winspear Foundation and the Friends of the U of A Museums, is an innovative way to introduce students to the post-secondary learning environment at the University of Alberta. An advisory committee with representation from each of the Edmonton and area school boards (11 in total) was established to provide guidance to the project.



During the pilot phase of the MUSE Project, between January and May 2002, 43 groups totalling 1,066 students participated, visiting up to three museums or Discovery Sites (interactive exhibits located on campus) and using Discovery Kits for a two-week period in their classrooms. Between October and December 2002,

16 groups totalling 450 students attended a MUSE program. MUSE Project staff were invited to speak at the Edmonton Social Studies Council in April 2001 and at the Alberta Teachers' Association Science Conference in November 2002. The next phase of development includes a project evaluation and preparation of a sustainability plan.



Muse Project participants at the entomology exhibit in Education South

Pamphlet promoting the Muse Project

Two examples of MUSE Project Discovery Kits: contents of the *Journey to Ancient Greece* Discovery Kit and backpack version of the *Exploring Material Culture* Discovery Kit





OUR UNIQUE RESOURCE

The activities associated with each collection are guided by the academic priorities put forward by each department or faculty. Additionally, these activities are guided by the University's strategic plan and the seven identified goals, and their associated strategic initiatives, objectives and expected results.

The following are selected examples of University of Alberta Museums' individual and collective achievements that relate to the seven goals identified in the University of Alberta's strategic plan for 2001–2005, *Foundations of a Great Research University*.

Recruit and satisfy outstanding students and students with outstanding potential

Exceptional collections support course offerings, provide learning opportunities, contribute to an enhanced learning environment and guide new initiatives, thus contributing to the recruitment and retention goals of the University.

- **Tomoyo Ihaya** received an MFA/M Des Scholarship and second prize in the 2001 Great Canadian Printmaking Competition. The focus of Tomoyo's printmaking is screenprinting and intaglio.
- **Laurel Holmes**, 2000 Bcomm (Marketing), 2000 BA Honours (Art History), was the 2001 recipient of the Sandy Mactaggart Award for East Asian Studies. A Print Study Centre volunteer in 1999–2000, as well as an InterD425 Museums Studies student and a summer employee with MACS in 2000 (developing digital content related to the University of Alberta Art and Artifact Collection), Laurel used the Mactaggart Award to study abroad for one year at the University of Hong Kong.
- **Stephan A Little** (PhD candidate, Biological Sciences), received a Natural Sciences and Engineering Research Council (NSERC) postgraduate scholarship. Stephan is working directly with fossil fishes in the Laboratory for Vertebrate Paleontology Collection.
- **Irene Karsten** (PhD candidate, Human Ecology), received both a Killam Scholarship (\$20,100) and a Brewer Scholarship (\$500) in 2000. Irene works directly with the Clothing and Textiles Collection; the focus of her research is textile conservation.
- Print Study Centre volunteers **Jean Paul Mactal** (undergraduate student in Computing Sciences) and **Kate Sunderland** (undergraduate student in Art and Design) were chosen to attend a national Youth Summit on Volunteering from 26–29 April 2000 in Summerside, Prince Edward Island. As part of the 2000 International Year of the Volunteer, this summit was organized by the Coalition of National Voluntary Organizations and sponsored in part by the Department of Canadian Heritage.



Attract and retain outstanding faculty, researchers and staff

- **Dr Heather C Proctor** joined the Department of Biological Sciences as Associate Professor in July 2002. She is the new curator of the Freshwater Invertebrate Collection. Dr Proctor's research interests include the ecology, evolution, systematics and behaviour of mites (*Arachnida: Acari*).
- **Dr Thomas Stachel**, Associate Professor in the Department of Earth and Atmospheric Sciences, was named Canada Research Chair in Diamonds in November 2001. Dr Stachel's main research area is diamond geology and the geochemistry of diamond mineral inclusions. He is one of two curators responsible for the Mineralogy and Petrology Collections.
- **Sean Caulfield**, '95 MFA, was appointed Canada Research Chair of Printmaking in the Department of Art and Design effective January 2001. Prior to his appointment, Sean spent five years in the United States, teaching at Northern Illinois University and Illinois State University, and participated in national and international exhibitions in Canada, the US, Europe and Japan. Sean uses the Print Study Centre for both teaching and research.



Professor Sean Caulfield selecting prints to show students in the Print Study Centre

Achieve national and international leadership in research

Leadership in research at both the national and international levels takes many forms for faculty and students: active research projects, collections development through new acquisitions (donations, field research, transfers), loans to scholars and institutions worldwide, and the dissemination of this information.

- From September to November 2000, the Lines of Site 2000 exhibit was staged by the Department of Art and Design and Museums and Collections Services in the Old Town Gallery, Prague, Czech Republic. This exhibition included works by U of A printmakers (faculty, staff and students), including **Lyndal Osborne, Walter Jule, Sean Caulfield, Steve Dixon** and **Marc Seigner**. Half of the prints included the exhibit are permanently housed in the Print Study Centre, managed by MACS.
- **Dr Felix Sperling**, curator of Entomology and internationally recognized butterfly systematist, received \$168,000 from the Canada Fund for Innovation (CFI), the Intellectual Infrastructure Partnership Program (IIPP) and other sources for major improvements to the insect collections housed in the EH Strickland Entomological Museum and a \$200,000 contract from the United States Department of Agriculture (USDA) to determine species boundaries in forest pests.
- **Dr Joseph Nelson**, curator of Ichthyology in the Department of Biological Sciences, received the Robert H Gibbs Jr. Award in 2002, the only Canadian to have ever won what is the top prize in the field of ichthyology. The prize was awarded by the American Society of Ichthyologists and Herpetologists in recognition of Dr Nelson's outstanding body of published work in systematic ichthyology. He is the author of the authoritative *Fishes of the World*, which classifies some 24,600 species of living and fossil fish, and co-author, with Martin J. Paetz, of *The Fishes of Alberta*. While Dr Nelson is now retired, he has received a four-year research grant to continue his research. A fourth edition of *Fishes of the World* is now being prepared for publication in 2004.



Dr Joe Nelson prepares a sample stickleback fish for study



Loans

Loans of art, artifacts and specimens were made to individuals and to local, national and international institutions. These included the Provincial Museum of Alberta, NAIT, Edmonton Art Gallery, Edmonton Symphony Orchestra, the National Gallery, the Glenbow, Museum of Civilization, University of Saskatchewan, University of Ohio, Bristol University and Harvard University. Among the loans were:

- The Laboratory for Vertebrate Paleontology loaned 30 fossil insects to Harvard University and 20 fossil insects to Bristol University;
- The Zooarchaeology Collection loaned 33 bird and mammal specimens, including examples showing pathological conditions, to the University of Lethbridge for research and educational purposes;
- Various specimens from the Meteorite Collection, including the Bruderheim meteor, were loaned to the Creston Valley Wildlife Centre.

Acquisitions

Acquisitions are integral to research and teaching and come in various forms. They can be donated, purchased or acquired through field research. In 2000-2001, more than 1,430 acquisitions were reported across campus. A similar number were acquired the following year. The following is a brief selection:

- More than 250 specimens were donated to the Vascular Plant Herbarium, including endemic *Salix* vouchers (specimens of plants that are native only to the Athabasca sand dunes and have been documented in scientific publications), and Alberta rare plant vouchers collected by consultants and Alberta Parks and Recreation.
- The University of Alberta Art and Artifact Collection (UAAAC) reports acquisitions (donations, Master of Fine Arts thesis presentation acquisitions and transfers) valued at more than \$525,000. This includes 234 prints, 139 drawings and watercolours, three large installations and 10 ethnographic objects. Twenty-seven prints at a value of \$10,200 were purchased. Highlights of donations include works by contemporary printmakers Malgorzata Zurkowska, Michiko Suzuki, Fuki Hamada, Wolfgang Troschke and Masataka Kuroyanagi; historical prints by Renoir, Gauguin and Mary Cassatt and the painters Jack Bush, Illingworth Kerr, Robert Sinclair, Graham Peacock and Ted Godwin.
- The UAAAC was involved in several applications to the Canadian Cultural Property Export Review Board, requesting the granting of certificates of national cultural importance to donors of individual items or works of arts to the U of A. Seven were completed and successful and a decision on four others are pending.



Mid-nineteenth century hide garment from northern California, possibly Hupa, donated to the University Art and Artifact Collection by a Canadian collector



- Approximately 65 new specimens were acquired by the Zooarchaeology Collection.
- 36 new specimens valued at \$1,800 were added to the Archaeology Collection.

Enhance and build connections with our communities

Our communities encompass people from all age groups and walks of life. For the University of Alberta Museums, the needs identified by our communities include access to our expertise and collections for identifying artifacts, specimens and works of art; school tours and curriculum-based activities; exhibitions, lecture series, hands-on science and life-long learning. Among the programs that facilitated this access are:

→ **The Friends of the University of Alberta Museums**

The Friends of the University of Alberta Museums continue to be an important supporter of the U of A Museums and Collections. The Friends were the recipients of two important awards in 2001 in recognition of their continued support: the Museums Alberta’s Recognition of Contribution Award, and the Board of Governors’ Award of Distinction. The Honourable Lois Hole, Lieutenant Governor of Alberta, was made honorary patron of The Friends for the duration of her appointment. As part of their volunteer efforts, The Friends raised revenues of more than \$74,000 through the holding of a charity casino in July 2002. A portion of these funds will support public programs and projects within the University of Alberta Museums.

Public Programs

The University of Alberta Museums organizes an annual program of public events. These events are aimed at both children and adults and provide opportunities for the wider community to access and learn from the University’s museums and collections. Among the events were:

- **Trowels, Trilobites and Treasures** was back by popular demand in March of 2001, 2002 and 2003. Each year, some 400 children with parents or guardians attended this “Science Sunday” event, a collaboration between MACS, the Departments of Earth and Atmospheric Sciences and Anthropology and The Friends of the University of Alberta Museums. Over 20 volunteers helped ensure the smooth operation of this special program. Marketing for the event included mention under “10 Best” in the entertainment section of the *Edmonton Journal*.



The annual Science Sunday Program attracts many busy hands and curious minds



→ The first annual Origins Lecture Series was sponsored by The Friends of the University of Alberta Museums and MACS. The series, held in November 2000, featured “four unique people—four unique areas of exploration and research”:

- **Dr Nancy Lovell, Professor and Chair,**
Anthropology and Curator of Osteology;
- **Dr Mark Wilson, Professor,**
Biological Sciences and Curator of Fossil Fishes;
- **Dr Pamela Willoughby, Associate Professor,**
Anthropology and Curator of Archaeology; and
- **Dr Felix Sperling, Associate Professor,**
Biological Sciences and Curator of Entomology.

The lectures—which focused on the origins of various species, and the origins and evolution of humankind—were attended by over 200 people. In November 2001, a second Origins Lecture Series, attended by 225 people, was held.

→ **Folkways Collection Concert**

On January 24, 2001, the Centre for Ethnomusicology launched its unique and complete collection of Folkways Records with a concert at Convocation Hall to an all but sold out crowd of 300 people. The event featured special guests and performances by Alberta musicians and was sponsored by CKUA, The Friends of the University of Alberta Museums, the Department of Museums and Collections Services and the Department of Music, University of Alberta. Folkways founder Moses Asch created one of the largest independent record labels in the world and discovered and cultivated many influential artists, including Woody Guthrie, Lead Belly and Pete Seeger. In 1987, the Smithsonian Institution acquired the only other complete collection and created Smithsonian Folkways.

→ **Visitor Statistics**—Approximately 17,000 visits reported annually to 15 museums and collections of individuals and groups including researchers, consultants from government and industry, community members, Friends members, university students and artists.

Provide high-quality support services to meet the needs of the future

→ The University of Alberta's museums and collections aim to maintain and improve standards in collections throughout the campus. Among the initiatives taken to support that goal:

- The Paleobotanical Collection received new cabinets and drawers to store specimens;
- The Clothing and Textiles Collection installed a new manual WRoll-Easy system to store and extend backdrops for photographing artifacts. As well, new kimono mounts were installed in the collection's compactor storage unit and a computer was integrated into the Interactive Unit that is used as an educational resource in exhibits and displays;
- An ongoing storage upgrade project related to the UAAAC is underway. This will make it possible to store a greater number of various-sized works of art. Five new art and artifact storage units had been installed as of late 2002;
- The WG Hardy Collection of Ancient Near Eastern and Classical Antiquities was officially reopened on 12 September 2002. The museum was relocated to its new space in 2-89 HM Tory, with fully renovated interior and exterior exhibits and facilities. Dr Ralph Jackson, senior curator at the British Museum, was the guest of honour for a week-long series of celebrations and special lectures that marked the reopening. The Classics Museum is open to the public and students, and is part of the MUSE Project school program.



Kimono mount installed in the Clothing and Textiles Collection



Create an improved learning environment inside and outside the classroom

→ Approximately 40 students are employed annually in the University of Alberta Museums, through a range of programs including co-op placements, internships and government-funded summer employment programs. Over 200 volunteers acquired skills and experience in:

- Collections management (data entry, cataloguing, inventory, database management, archiving);
- Conservation (artifact/specimen mounting, preparation, framing, storage techniques, care and handling);
- Research and documentation;
- Photography;
- Marketing and communications;
- Community outreach (public programs, school tours, outreach kits);
- Education (developing lesson plans/curriculum links);
- Internet applications and web-site design;
- Exhibition planning, writing and design.



A practicum student (centre) helps with the installation of a Muse Project banner for the ethnography exhibit in Education South

Conclusion:
**Future
Directions**

To ensure that the goals and needs of many communities are being met, the University of Alberta Museums, under the direction of Museums and Collections Services, continue to plan for the future. We are guided by the University of Alberta's business plans, the four-year operational plans developed by Learning Services, and input from our community of curators, professors, students, friends and professional colleagues around the world.

→ Key among recent consultations were focus groups held in July 2002 with curators from across campus. Through these meetings, current directions were confirmed, new ideas put forward and priorities identified. These include:

- Central coordination by Museums and Collections Services under the umbrella of the University of Alberta Museums has proven beneficial to the organization as a whole and to individual collections in terms of funding, service, partnership potential, policy development, outreach and awareness;
- Digitization of collections information;
- Developing content that can be accessed through the world-wide web;
- Community engagement through a varied selection of programs, events and educational products;
- Coordination of major projects to access grants through major funding agencies.



Dr J Rossiter, Professor and Curator, Department of History and Classics, and Dr Ralph Jackson, visiting speaker from the British Museum, London, prepare a wine libation to mark the official opening of the WG Hardy Museum of Ancient Near Eastern and Classical Antiquities

**DIRECTORY OF UNIVERSITY OF ALBERTA
MUSEUMS AND COLLECTIONS**

Faculty of Agriculture, Forestry and Home Economics

—> **Devonian Botanic Garden**

Herbarium of Cultivated Plants
Curator: Dr R Belland

—> **Human Ecology**

Clothing and Textiles Collection
Research Curator: A Lambert
Managing Curator: T Thomson

—> **Renewable Resources**

Dendrology Collection
Curator: Dr B Dancik
Soil Science Monolith Collections
Curator: Dr N Juma
Wildlife Collection
Curator: Dr L Foote

Faculty of Arts

—> **Anthropology**

Archaeology Collection
Curator: Dr P Willoughby
Ethnographic Collection
Curator: Dr R Gruhn
Fossil Hominid Cast Collection
Curator: Dr O Beattie
Osteology Collection
Curator: Dr O Beattie
Zooarchaeology Reference Collection
Curator: Dr O Beattie



Tomoyo Ihaya,
Deep Water (=) 1/1,
2002, etching, chiné
collé, ink wash on
paper, 23.5 x 40.0
inches, University Art
and Artifact
Collection

—> **Art and Design**

Division Print Collection
Curator: L Ingram

—> **History and Classics**

WG Hardy Collection of Ancient Near Eastern and Classical Antiquities
Curator: Dr J Rossiter

—> **Modern Languages and Cultural Studies**

Ukrainian Folklore Archives
Curator: Dr A Nahachewsky

—> **Music**

Centre for Ethnomusicology
Curator: Dr R Qureshi

Appendix
One

Faculty of Engineering

Engineering Collection
Contact: I Buttar

Faculty of Medicine and Dentistry

→ **Dentistry and Oral Hygiene**

Dentistry Museum Collection
Curator: Dr G Sperber

→ **Laboratory Medicine and Pathology**

Pathology Gross Teaching Collection
Curator: Dr D Rayner

Department of Museums and Collections Services

University of Alberta Art and Artifact Collection
Curators: J Corrigan (art and historical artifacts);
Dr P McCormack (ethnography)

Faculty of Science

→ **Biological Sciences**

Cryptogamic Herbarium
Curator: Dr R Currah

EH Strickland Entomological Museum
Curator: Dr F Sperling

Freshwater Invertebrate Collection
Curator: Dr H Proctor

Invertebrate and Malacology Collection
Curator: Dr A Palmer

Paleobotanical Collection
Curator: Dr R Stockey

Parasitology Collection
Curator: Dr H Proctor

University of Alberta Museum of Zoology

Amphibian and Reptile Collection

Curator: Dr C Paszkowski

Ichthyology Collection

Curator: Dr J Nelson

Mammal Collection

Curator: Dr J Murie

Ornithology Collection

Curator: Dr C Paszkowski

Vascular Plant Herbarium

Curator: Dr S Graham



Skull of a prehistoric
North American lion

Appendix
One

→ **Biological Sciences/Earth and Atmospheric Sciences**

Laboratory for Vertebrate Paleontology

Curators: Dr M Wilson; Dr M Caldwell

→ **Earth and Atmospheric Sciences**

Meteorite Collection

Contact: Dr P Cavell

Mineralogy Collection/Petrology Collection

Curators: Dr T Chacko; Dr T Stachel

Paleontological Collections

Curators: Dr M Caldwell; Dr B Chatterton

Paleontology Museum

Curators: Dr M Caldwell; Dr B Chatterton

“From Minerals to Rocks”,
a new exhibit in the
Mineralogy/Petrology Museum

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DETAILED FUNDING REPORT

Section One

The following information provides details of funding acquired by Museums and Collections Services for museum and collection projects between 1 July 2000 and 31 March 2003.

University of Alberta Sources

The Friends of the University of Alberta Museums (\$69,709 Total Donation)

\$640	Anthropology (Archeology Collection) Salary support for database lot design and entry
\$1,100	Anthropology (Archeology Collection) Salary support for Reportsmith implementation
\$3,300	Biological Sciences (Vascular Plant Herbarium) Stereo-beam microscope station
\$1,410	Earth and Atmospheric Sciences (Invertebrate Paleontology) Customized display case for recent acquisition of sea lilies
\$1,000	Earth and Atmospheric Sciences (Paleontology Museum) Completion of displays for paleozoic specimens
\$1,500	Earth and Atmospheric Sciences (Paleontology Museum) New displays for marine reptile fossils and modifications to the Mosasaur display
\$1,200	Earth and Atmospheric Sciences (Mineralogy Collection) Enhance display of economic geology Specimens
\$4,200	Human Ecology (Clothing and Textiles Collections) Salary support for new exhibit production
\$4,200	Human Ecology (Clothing and Textiles Collection) Salary support for the exhibit "Rites of Passage" at U of A
\$3,000	Human Ecology (Clothing and Textiles Collection) Purchase set of three adjustable, time-period appropriate (19th and 20th century) mannequins
\$2,000	Museums and Collection Services (UAAAC) Development of exhibition, "Looking West"
\$1,390	Museums and Collections Services (UAAAC) Purchase of prints
\$32,832	Museums and Collection Services (all collections) Virtual Museum including KidZone, MUSE Project, marketing and communications projects, volunteer projects
\$3,000	Museums and Collections Services (all collections) Public programs including Science Sunday
\$1,900	Music (Centre for Ethnomusicology) Upgrade four existing display cases

Appendix Three

\$4,627	Music (Centre for Ethnomusicology) Shelving for recent donation of record collection and transfer of Folkways record collection
\$2,500	Renewable Resources (Soil Monolith Collection) Continued development of soil monolith displays in Earth Sciences Building
→	<i>Community Outreach Endowment Fund (\$32,109)</i>
\$1,100	Anthropology (Zooarchaeology Reference Collection) Salary support for database design
\$1,100	Anthropology (Zooarchaeology Collection) Salary support for Reportsmith implementation
\$320	Anthropology (Archeology) Salary support for cataloguing the Ami Collection
\$350	Anthropology (Ethnographic Collection) Salary support for collections reorganization
\$800	Anthropology (Osteology Collection) Juvenile skeleton replica production
\$666	Anthropology (Archeology Collection) Salary support for data entry of Ami Collection
\$633	Anthropology (Archeology Collection) Salary support to continue Reportsmith implementation
\$1,265	Anthropology (Archeology Collection) Salary support to continue database development
\$320	Anthropology (Archeology Collection) Salary support to continue database report production
\$500	Anthropology (Ethnographic Collection) Salary support to complete collections reorganization project
\$1,000	Biological Sciences (EH Strickland Entomological Museums) Salary support for data entry and reorganization of Alberta Lepidoptera
\$4,075	Biological Sciences (Vascular Plant Herbarium) Salary support for digital imaging of vascular plant collection
\$3,000	Biological Sciences (Vascular Plant Herbarium) Salary support for databasing basal dicots/monocots
\$600	Biological Sciences (Vascular Plant Herbarium) Equipment purchase: specialized vacuum
\$1,500	Earth and Atmospheric Sciences (Petrology Museum) New display: “The Superpress and Rocks and Minerals from the Earth’s Mantle”
\$1,000	Earth and Atmospheric Sciences (Mineralogy Collection) Salary support for cataloguing the Economic Suite
\$1,180	Earth and Atmospheric Sciences (Petrology Museum) Replacement of sliding glass doors in three exhibit cases

Appendix Three

\$1,500	Earth and Atmospheric Sciences (Paleontology Museum) Redesign of entrance to Paleontology Museum
\$1,500	Earth and Atmospheric Sciences (Mineralogy/Petrology Collections) Partial funding towards security system to be installed in museums
\$1,200	Human Ecology (Clothing and Textiles Collection) Digital Imaging Phase I: digitize rolled textiles
\$3,500	Human Ecology (Clothing and Textiles Collection) Digital Imaging Phase II: digitize rolled textiles and quilts
\$1,000	Human Ecology (Clothing and Textiles Collection) Visual Access to Storage System
\$2,000	Human Ecology (Clothing and Textiles Collection) Salary support for cataloguing recent acquisitions
\$2,000	Modern Languages (Ukrainian Folklore Archives) Klymasz Audio Digitization Project
—→ <i>Emil Skarin Fund</i>	
\$3,160	Museums and Collections Services (UAAAC) Development of exhibition, “Looking West”
Government of Alberta	
—→ <i>Edmonton Community Lottery Board</i>	
\$73,780	Museums and Collections Services (all collections) KidZone web-site development
—→ <i>Museums Alberta (\$35,455)</i>	
\$5,000	Anthropology (Ethnographic collection) Conservation Analysis Project
\$3,250	Human Ecology (Clothing and Textiles Collection) Exhibit of “From Petticoats to Pantsuits: Clothing and Gender”
\$4,280	Human Ecology (Clothing and Textiles Collection) Registration and cataloguing project
\$5,000	Database content development, phase II
\$5,000	Renewable Resources (Soil Monolith Collection) Digitization and development of Alberta soil monoliths
\$4,400	Renewable Resources (Soil Sciences Collection) Exhibit development: “The Story of Soil Science”
\$3,525	Museums and Collections Services (all collections) KidZone web site: French translation
\$5,000	Museums and Collections Services (all collections) MUSE Project interpreter
—→ <i>Summer Temporary Employment Program</i>	
\$2,772	Museums and Collections Services (all collections) MUSE Project design assistant

Appendix Three

Government of Canada

- *Young Canada Works (Canadian Heritage) (\$20,677)*
 - \$3,380 Museums and Collections Services (UAAAC)
Art Inventory Project
 - \$3,786 Museums and Collections Services:
Development of ichthyology database for Biological Sciences
 - \$4,403 Museums and Collections Services (all collections)
MUSE Project education assistant
 - \$3,720 Museums and Collections Services (all collections)
Digital content development for Virtual Museum
 - \$2,233 Museums and Collections Services (all collections)
Translation of Virtual Museum content
 - \$3,155 Biological Sciences (EH Strickland Entomological Museum)
Database content developer
 - *Cultural Human Resource Council*
 - \$9,600 Museums and Collections Services (all collections)
MUSE Project website
 - *Virtual Museum of Canada (Canadian Heritage)*
 - \$89,260 Museums and Collections Services (all collections)
KidZone web-site development
 - *Canada's Digital Collections (Industry Canada)*
 - \$20,160 Museums and Collections Services (Paleontology Collections)
Joffre Bridge Fossil Exhibition website
- ### Other
- *Winspear Fund (\$11,250)*
 - \$7,500 Museums and Collections Services (all collections)
MUSE Project Interpreter
 - \$3,750 Museums and Collections Services (all collections)
MUSE Project Discovery Kits
 - **Total funding received for collections on campus: \$368,022**

DETAILED FUNDING REPORT

Section Two

The following information provides details of research grants received by curators and contacts of individual museums and collections.

- \$28,000 Natural Sciences Engineering Research Council
Dr G Ball, Biodiversity studies of carabid beetles in the western hemisphere
- \$75,000 Natural Sciences Engineering Research Council
Dr M Belosevic, Development of design and operational criteria for encysted parasite control in drinking water using medium-pressure ultraviolet radiation
- \$18,000 Health Canada
- \$24,500 **Dr M Belosevic**, Detection and evaluation of infectivity of giardia lamblia cysts in water samples from Saddle Lake
- \$12,000 Health Canada
Dr M Belosevic, Detection and evaluation of infectivity of cryptosporidium parvum oocysts in water samples from Saddle Lake
- \$18,900 Health Canada
Dr M Belosevic, Detection and evaluation of infectivity of giardia lamblia cysts and cryptosporidium parvum oocysts in water samples from Saddle Lake
- \$1,700 AHFMR Internal Allocations Committee
Dr M Belosevic, University of Aberdeen, Aberdeen, UK, 4–8 April 2002
- \$35,000 EPCOR
Dr M Belosevic, Physiological assessment of reusable waste parameters
- \$72,000 Natural Sciences Engineering Research Council
Dr M Belosevic, Comparative biology of macrophages
- \$24,000 Natural Sciences Engineering Research Council
Dr M Caldwell, Squamate phylogeny and evolution: hypothesis testing using new data from fossil snakes, lizards and extant basal snakes
- \$119,280 Canada Foundation for Innovation
Dr M Caldwell, Vertebrate paleontology and systematics facility
- \$115,190 Human Resources Development Canada
Dr L Capjack, Youth Internship Canada
- \$36,100 Natural Sciences Engineering Research Council
Dr T Chacko, Fluid- and melt-related processes in the continental crust: experimental constraints
- \$76,230 Natural Sciences Engineering Research Council
Dr B Chatterton, Paleozoic paleontology and biodiversity, with emphasis on trilobites

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- \$75,560 Natural Sciences Engineering Research Council
Dr B Chatterton, Paleozoic life, biodiversity, evolution and systematics with specialization in trilobites
- \$50,358 Natural Sciences Engineering Research Council
Dr R Currah, Taxonomy, ecology and evolution of septate mycorrhizal fungi
- \$68,032 Natural Sciences Engineering Research Council
Dr R Currah, Biology of microfungi
- \$65,000 Natural Sciences Engineering Research Council
Dr B Dancik, Use of microbial inoculants for enhanced establishment of poplars in Alberta
- \$65,000 Natural Sciences Engineering Research Council
Dr B Dancik, Reclamation of challenging materials in the oil sands industry using mycorrhizal and actinorrhizal plants
- \$30,000 Alberta-Pacific Forest Industries Inc
Dr B Dancik, Use of microbial inoculants for enhanced establishment of poplars in Alberta
- \$37,950 Various Companies
Dr B Dancik, The use and risk of hybrid poplars, aspens and exotic populus species
- \$48,000 National Research Council
Dr B Dancik, editor-in-chief, journals and monographs programs – NRC
- \$20,000 Natural Sciences Engineering Research Council
Dr B Dancik, Evolution of western forest trees
- \$32,900 Sustainable Forest Management Network (NCE)
Dr A Foote, Measuring and modelling wetland disturbances in western boreal mixed wood
- \$30,000 Oil Sands Reclamation Research Network
Dr A Foote, Experimental sediment exchanges between natural and created wetlands on oil sand reclaimed sites
- \$43,890 Natural Sciences Engineering Research Council
Dr R Fox, Evolution of mammals across the cretaceous tertiary boundary, Alberta and Saskatchewan
- \$5,870 National Geographic Society
Dr R Fox, Earliest paleocene mammals, southwestern Saskatchewan, Canada
- \$800 University of Alberta
Dr M Frishkopf, The global construction of Sufi music: the case of Shaykh Yasin al-Tuhami of Egypt, Middle East Studies Association 2001, San Francisco, CA, 17–20 November 2001
- \$26,880 Natural Sciences Engineering Research Council
Dr S Graham, Chloroplast DNA phylogeny of the monocotyledons

Appendix Three

\$1,738	EFF Support for the Advancement of Scholarship Dr P McCormack , Expanding the boundaries: Dene kinship and ethnohistory, American Anthropological Association, 100th Annual Meeting, Washington, DC, 28 November–2 December 2001
\$1,200	University of Alberta Dr P McCormack , Imposing tax: taxation in the Northwest Territories and Aboriginal fears in the Treaty Eight Region, Centre for Rupert's Land Studies Colloquium 2002, Oxford, UK, 16–19 April 2002
\$13,500	Ukrainian Canadian Foundation of Taras Shevchenko Dr A Nahachewsky , Local culture and diversity on the prairies, phase one
\$19,404	Natural Sciences Engineering Research Council Dr J Nelson , Systematics of world fishes; biogeography and systematics of psychrolutidae; and absence of pelvic skeleton from brook sticklebacks
\$21,000	Natural Sciences Engineering Research Council Dr J Nelson , Fish classification and systematics
\$58,000	Natural Sciences Engineering Research Council Dr A Palmer , Comparative and experimental studies of marine invertebrate morphology and evolution: the origin and persistence of morphological diversity
\$27,275	Weyerhaeuser Canada Dr C Paszkowski , Herpetological research in Weyerhaeuser's Drayton Valley FMA
\$30,000	Alberta Research Council Dr C Paszkowski , Developing monitoring protocols for aquatic ecosystems in forested regions of Alberta
\$16,000	Natural Sciences Engineering Research Council Dr C Paszkowski , Ecology of amphibians in the western boreal forest and parkland
\$4,700	Mountain Equipment Co-op Dr C Paszkowski , The role of beaver in the ecology of amphibians in the Rocky Mountain foothills
\$1,400	University of Alberta Dr J Rossiter , Replacing the Scorpianus mosaic: a new look at the pavement decoration of a Roman bath-house at Carthage, International Mosaics Conference (AIEMA), Rome, IT, 5–10 November 2001
\$54,075	Natural Sciences Engineering Research Council Dr F Sperling , Speciation, phylogeny and diversity of insects
\$30,000	United States Department of Agriculture, Forest Service Dr F Sperling , Biological assessment of the link between mitochondrial DNA sequences, dioryctria morphology and larval host

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\$40,000	United States Department of Agriculture, Forest Service Dr F Sperling , Biological assessment of the link between mitochondrial DNA sequences, dioryctria morphology and larval host
\$84,000	Canada Foundation for Innovation Dr F Sperling , Integrative insect systematics facility
\$35,780	Natural Sciences Engineering Research Council Dr T Stachel , Inclusions in diamonds
\$100,000	Canada Research Chair Dr T Stachel , The study of diamonds and their syngenetic inclusions
\$46,200	Natural Sciences Engineering Research Council Dr R Stockey , Paleobiology in western North America
\$4,200	Self-funded Research Grants Dr P Willoughby , Upper pleistocene prehistory of southwestern Tanzania
\$40,425	Natural Sciences Engineering Research Council Dr M Wilson , Phylogeny and paleoecology of fossil fishes from extraordinary fossil deposits
\$48,000	Natural Sciences Engineering Research Council Dr M Wilson , Evolution of primitive vertebrates revealed in extraordinary fossil deposits
→ Total	\$1,933,037



Dr Mark Wilson (curator of fossil fishes) has identified this fossil as an important new species of fish from the Cretaceous period. It was discovered by amateur fossil hunters near Fort St John, BC, in August, 2002.

For Further
Information
Contact:

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Chair, Collections Committee
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**This report was prepared by Museums and Collections Services
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Janine Andrews with her
dogs, Costello and Lucy

where wonder meets wisdom