



ANNUAL REPORT

JULY 1, 2007 TO JUNE 30, 2008

Including the report of the University of Alberta Museums
Policy and Planning Committee

{dare to discover where wonder meets wisdom}

Table of Contents

1.0 Executive Summary	2
2.0 Report of the University of Alberta Museums’ Policy and Planning Committee	3
2.1 Activity One	3
U of A Museums Policy and Procedures (Ongoing activity)	
2.2 Activity Two	5
Curatorial Research Facility (Ongoing activity) Part A: Business Plan Part B: Academic Plan	
2.3 Activity Three	7
Review of Category A Designation (Ongoing activity) Part A: Facilities Part B: Policy and Procedures	
2.4 Activity Four	9
Return of Cultural Property Request (New activity)	
2.5 Activity Five	10
Adjudication of Funding Needs (Annual activity)	
2.6 Activity Six	11
Appointment of Expert Examiners (New activity)	
Appendix A	12
Policy and Planning Committee Membership	
Appendix B	13
Directory of the University of Alberta Museums	
Appendix C	15
Museums and Collections Services Staff	
Appendix D	16
Friends of the University of Alberta Museums	
Appendix E	17
Detailed Funding Report Section One Section Two	
Appendix F	19
Collections Use in Current Classes	

2.0 Report of the University of Alberta Museums' Policy and Planning Committee:

- The University of Alberta Museums' Policy and Planning Committee met formally on three occasions: December 6, 2007; April 21, 2008; and June 26, 2008. Several issues identified in the last report are ongoing to this academic year.

2.1 Activity One:

U of A Museums Policy and Procedures (Ongoing activity)

The new University of Alberta Museums and Collections Policy and Procedures were formally approved by the U of A Board of Governors on March 28, 2008. The policy was posted on the UAPPOL (University of Alberta Policies and Procedures On-Line) website in June 2008.

Work is now underway on an implementation strategy. This will be a four-phase plan, executed over the next four years:

- Phase 1: Communication (current and ongoing)
- Phase 2: Training
- Phase 3: Implementation (including development of acquisition and management strategies and registering all known collections)
- Phase 4: Compliance

To date, presentations have been made to the following groups on campus, as part of the communication phase:

- Policy and Planning Committee and some current collection curators;
- Administrative Strategic Council; and
- Campus Communicators Network.

Implementation will continue in the 2008-2009 academic year and beyond, to ensure support for and compliance with the Policy.

Key communications and training will occur on campus with:

- All current museums and collections staff;
- Chairs of departments with collections (including APOs);
- Chairs of departments without collections;
- Deans of faculties with collections (including APOs);
- Deans of faculties without collections;
- Development officers;
- External Relations staff;

University of Alberta Museums Annual Report: July 1, 2007 to June 30, 2008

1.0 Executive Summary

The 2007-2008 academic year continued to be a demanding timeframe for the University of Alberta Museums. This report summarizes the activities of the Policy and Planning Committee, with selected collections-based highlights and achievements from July 1, 2007 to June 30, 2008.

- The University of Alberta Museums and Collections Policy and Procedures were approved by the Board of Governors, and work has begun on a four-phase implementation strategy and plan.
- The business plan for a Curatorial Research Facility has been vetted and approved with various groups on campus, and will be submitted to the Government of Alberta for consideration along with a proposal for a new Graduate Program in Museum Innovation and Object-based Research. This facility is intended to house all of the U of A's 35 collections and is designed to improve accessibility for students and researchers, resulting in greater teaching and research opportunities, with increased interdisciplinary possibilities.
- The University of Alberta Museums Category A Designation is still under review with the Canadian Cultural Property Export Review Board, and ongoing work continues to ensure retention of this status.
- The University of Alberta Museums' Return of Cultural Property Committee was reconvened to aid with a repatriation request related to remains held in trust in the Department of Anthropology since 1965-66.



{dare to discover where wonder meets *wisdom*}

The Mactaggart Art Collection was officially opened in the Fall of 2007 following completion of the move into the TELUS Centre. The inaugural exhibition, *Dressed to Rule: 18th Century Court Attire in the Mactaggart Art Collection* was visited by more than 1600 people, and attracted various members of the community including, amongst others, the Chinese community and local guilds. The Mactaggart Art Collection is now available for class visits and research opportunities, and there is currently an international search for a curator for the collection. A scroll from the collection was loaned to the Royal Ontario Museum in late 2007/early 2008 for their exhibition *Canada Collects*.

- Facilities and Operations staff;
- Supply Management Services;
- Risk Management;
- Executive Assistants from University Hall;
- General Counsel;
- Research Services Staff; and
- PEC/EPC.

Key communications will occur off campus with:

- Canadian Cultural Property Export Review Board and Secretariat (see Activity Three);
- Alberta Museums Association;
- The Ministry of Culture and Community Spirit, Alberta Government;
- The Ministry of Advanced Education, Alberta Government;
- University and College Art Gallery Association of Canada;
- Canadian Art Museums Directors Organization;
- Alliance of Natural History Museums;
- International Committee for University Museums and Collections;
- as well as other related and relevant organizations.

A new position of Museums Policy Advisory has been created and filled to assist with implementation.



{dare to discover where wonder meets *wisdom*}

What We Wore: 100 Years at the University of Alberta as Told Through Clothing, created for the U of A's Centenary celebrations, presented a visual overview of the U of A's history through the showcase of clothing worn by students and faculty members throughout the past 100 years. Artifacts chosen for the exhibition were selected from the U of A's Clothing and Textiles Collection in the Department of Human Ecology and represented seven themes: Administration and Faculty Members, featuring various academic gowns as well as highlights of fashion trends from the past 10 decades; New Beginnings, featuring the striking apparel worn by freshmen in the first week of classes; the War Years, when campus looked more like a military camp than a University; Sports I, if you weren't playing on a team, you were cheering for the green and gold; Student Wear, highlighting various uniforms throughout the last century; the Nightlife, which student life would not be complete without; and Convocation, an experience which unifies U of A students from 1908 to 2008 and beyond.

2.2 Activity Two: Curatorial Research Facility (Ongoing activity)

Part A: Business Plan

The completion of the business plan for the Curatorial Research Facility was delayed from December 2007 until April 2008 due to a variety of factors. The following is a summary of key points highlighted in the plan:

- The University of Alberta has one of Canada's largest and oldest collections of museum objects. With an estimated 17 million objects and specimens from selected disciplines across five different faculties and 15 different departments, these collections are among the very best in the world.
- The University of Alberta Museums have occupied non-purpose-built facilities for the past 100 years and currently occupy 110 rooms in 15 buildings totaling 9000 square metres. The quality of the collection and research space has a major impact on the performance of the University of Alberta and the University's standing as an institution with world-class research collections and capabilities.
- It is recommended that the University consolidate all of the University of Alberta's 35 academic museum collections into one Curatorial Research Facility, custom built on the North Campus, requiring 32,431 square metres, or approximately 350,000 square feet, at a cost of approximately \$243,000,000.
- This is not a warehouse or just a storage facility, but would be an active teaching and research facility with classrooms, research facilities, laboratories, digitization centres, and related facilities to support emerging and established research and teaching programs. (See Appendix F for a detailed report of current collections use in classes.)
- It would ensure appropriate and accessible facilities to comply with policy, legislation, Tri Council requirements, international professional standards and retention of Category A status. (See Activity Three)

{dare to discover where wonder meets *wisdom*}

The second phase of the University of Alberta Natural Science Collections Portal (<http://museums.ualberta.ca/naturalscience/index.aspx>) was completed this year. Modeled on the University of California Berkeley Natural History Museums search site, this innovative project currently provides web access to six University of Alberta Museum collections, five of which were previously not accessible on the web. The Natural Science Collections Portal provides a one-stop search window that allows users with various levels of expertise to search and retrieve collections data from either one or all of the collections on the portal simultaneously. Accessible collections include the Ichthyology, Ornithology, Mammalogy, and Herpetology Collections (all from the University of Alberta Museum of Zoology), along with the Freshwater Invertebrate Collection and the E.H. Strickland Entomological Museum collection. Future phases of the Portal will provide web accessibility to all University of Alberta Museums natural science collections.

- The University of Alberta envisions and supports a new centralized, consolidated, state-of-the-art Curatorial Research Facility that will inspire the development of multi- and cross-disciplinary research and teaching in support of the University’s vision, mandate and academic programs. It will create new opportunities, and address the issues stated above, among others. It will liberate up to 9000 square metres of space in approximately 15 buildings on North and South campus to be repurposed for priority academic use in faculties and departments.
- The need is urgent and the opportunity is now. This proposal has considerable support, interest, and enthusiasm from a broad spectrum of the campus community and beyond which we are in danger of losing with each delay.

The business plan has been vetted and approved with the following groups in the governance / approval process:

- Provost and Vice Provosts Group (June 9, 2008);
- Strategic Initiatives Group (June 17, 2008); and
- Executive Planning Committee (June 25, 2008).

The Business Plan will be submitted to the Government of Alberta with a proposal for consideration for a new Graduate Program in Museum Innovation and Object-based Research.

Part B: Academic Plan

Through governance meetings regarding the Curatorial Research Facility, it was recommended that a proposal for a Graduate Program in Museum Innovation and Object-Based Research be submitted to the Government of Alberta at the same time as the business plan. Further research is currently being conducted in order to submit a Program proposal (Template D) along with the business case.



{dare to discover where wonder meets *wisdom*}

The University of Alberta Museum of Zoology (including the Amphibian and Reptile Collection, the Ichthyology Collection, the Mammalogy Collection, and the Ornithology Collection) received a donation this year of skulls and skins of a number of mammals and birds, mainly from Africa. The skins were prepared as “study skins,” meaning they are quite flat, good for hands-on examination of the feathers, fur, and other features of the animals, and will prove invaluable for teaching undergraduate courses and enhancing the student learning experience. While the zoology courses at the U of A are already exceptionally good in terms of the numbers and variety of specimens that students can access, this new acquisition increases the diversity of animals, and also includes specimens that were not previously represented in the collection, providing valuable comparative material for research. The University of Alberta Museum of Zoology is accessed by hundreds of students and researchers throughout a typical year.

2.3 Activity Three:

Review of Category A Designation

(Ongoing activity)

As mentioned in previous reports, the University of Alberta Museums' Category A status, conferred by the Department of Canadian Heritage, has been under review since 2004/05. Staff from Canadian Cultural Property Export Review Board (CCPERB) completed a site visit in October 2005 in which facilities in all areas were deemed substandard. The need for the U of A Museums to address problems such as inadequate environmental controls has been labeled "paramount."

The Policy and Planning Committee continues to work with Museums and Collections Services on the following issues to ensure the U of A Museums retain Category A status:

Part A: Facilities

- As per Activity Two, the business case for a centralized, purpose-built Curatorial Research Facility to house all 35 of the U of A's collections has been approved through all levels of governance on campus. The plan is awaiting funding consideration through the Government of Alberta.
- A request to upgrade the HVAC system in the Print Study Centre was submitted to Facilities and Operations in the 2006-2007 Academic Year. A dehumidifier was installed in 2007-2008; however, the project is not yet complete, as the room is still awaiting a complete sealing.
- Maintenance was completed on the humidification system in the storage facilities for the Ethnographic Collection in the Tory Building.
- The water humidification system in the TELUS Centre collections facility was upgraded to a steam system; however, the system has yet to be tested and turned on. The completion is outstanding with Facilities and Operations.
- Plans are under way for the movement of all cultural property in the University of Alberta Art Collection to the TELUS Centre facility, which CCPERB has identified as meeting museum-standards once the HVAC issue is resolved by facilities. This move is expected to be completed by September 2008.
- The University of Alberta Art Collection, currently in storage in the NREF building since the demolition of the storage space in the Biological Sciences Building, is scheduled to be moved to the Terrace Building for temporary storage and access until the completion of the Curatorial Research Facility. Planning began early this academic year, as this move was originally scheduled for summer 2008. Pending unexpected construction delays, it is expected that this move will be postponed until summer 2009.

- The Bohdan Medwidsky Ukrainian Folklore Archives Collection (Modern Languages and Cultural Studies), currently housed in HUB, will be moved back to the Arts Building to a renovated space later in 2008.
- Both the Dendrology and Wildlife Collections (Department of Renewable Resources) are being moved from the Human Ecology Building to the General Services Building. This moved is scheduled for fall 2008.

Representatives from Museums and Collections Services and the Office of the University Architect met for the first time in June 2008 to discuss renovations to University buildings and the impact on collections. This group will meet quarterly for the following purposes:

- To identify current anticipated renovation or construction projects on campus that directly or indirectly have an impact on University of Alberta Museums collections (associated storage, exhibits, display, teaching facilities and labs, including art loan objects that are on display across campus in offices and public spaces);
- To ensure consistent approaches to collections upgrades or moves that are in line with museum standards, which enable the preservation of museum objects, and which integrate short-term projects with the Curatorial Research Facility planning process; and
- To improve awareness and communication regarding the impact of renovation projects on collections through a collaborative approach.

Part B: Policy and Procedures

- We continued to share updates of our policy with CCPERB staff, and they are aware that the policy has now been approved through all levels of governance at the U of A. Key communication will occur with the Canadian Cultural Property Export Review Board and Secretariat.
- See Activity One for further information on Policy and Procedures.

Staff from CCPERB returned in September 2007 for a follow up site visit. Review of our Category A status is still outstanding, as facilities issues and policy compliance continue to be incomplete.



{dare to discover where wonder meets *wisdom*}

Eighty-five volunteers from three faculties (Science – Biological Sciences and Earth and Atmospheric Sciences, Arts – Anthropology, and Education) lent their support to the annual Science Sunday outreach event in March 2008, an afternoon of discovery and hands-on activities for children ages 5 to 12. Students acquired new knowledge through work with the collections and were able to share their joy of learning and inspire a younger generation, enhancing their overall university experience while engaging with the community.

2.4 Activity Four: Return of Cultural Property Request (New activity)

The University of Alberta was contacted in October 2007 by the Government of Alberta's Historic Resource Management Branch to discuss the Sharphead repatriation request. The University of Alberta Museums' Return of Cultural Property Committee was reconvened in October 2007 to aid with the following repatriation process:

- The remains of 25 individuals and associated funerary objects were recovered near Ponoka, Alberta from an abandoned mission cemetery on the former site of the Wolf Creek Reserve, which was traditionally occupied by a group of Stoney First Nations known as the Sharphead Band.
- The site was excavated in 1965-66 under the direction of the University of Alberta's Department of Anthropology after human remains were disturbed during the installation of power poles. The remains were removed and stored at the University of Alberta as it was not known that there were living descendants at the time.

On March 14, 2008, the first meeting regarding the Sharphead burial site was held with community members and interested parties. Fifty-seven people attended, including representatives from 13 First Nations, the University of Alberta, AltaLink, Alberta Historic Resources Management, and Service Alberta. The community expressed a desire to rebury the remains on the original site, and negotiations continue with the Historic Resources Management Branch.

The request to de-accession the remains and artifacts held in trust at the University of Alberta will be brought back to the Policy and Planning Committee for adjudication once government and stakeholders have resolved several issues.



{dare to discover where wonder meets *wisdom*}

2008 Volunteers of the Year:

Dr. Charley Bird, began volunteering with the E.H. Strickland Entomological Museum in 2000. In this past year alone, Charley has contributed database information to the Virtual Museum for thousands of moths as part of his ongoing study of the moths of the central Parklands of Alberta.

Image *top*: Dr. Felix Sperling (*left*), Curator of the E.H. Strickland Entomological Museum, with volunteer Charley Bird



Darlene Briere, began volunteering with the Clothing and Textiles collection in January 2006 after taking a care of textiles workshop with Dr. Irene Karsten the previous fall. Projects have included accessioning and treating the Rosenberg Quilt Collection, collections management, and exhibit preparation, and her contributions have proved invaluable.

Image *bottom*: Dr. Irene Karsten (*left*), Museum Conservator, with volunteer Darlene Briere

2.5 Activity Five: Adjudication of Funding Needs (Annual activity)

One of the annual activities of the Policy and Planning Committee is the adjudication of funding requests solicited from the curators for the 35 collections under the U of A Museums. There is continual discussion of the need for a larger endowment fund to ensure the fulfillment of requests for acquisitions, projects, and equipment needs.

- Of the \$69,804 in funds requested between July 1, 2007 and June 30, 2008, requests were primarily concentrated in the areas of Digitization, Collections Management, and Exhibition/Outreach.
- Based on available monies, \$59,322 was distributed.***
(See Appendix E for detailed funding information.)
- Needs were assessed based on merit, and recommended for funding through several limited and/or competitive sources including the following:
 - Community Outreach Endowment Fund: a U of A fund which generates approximately \$12,000 annually*;
 - The Friends of the University of Alberta Museums who raise funds for projects through several methods totaling over \$33,000** in 2007-08;
 - Museum and heritage grant programs such as Young Canada Works in Heritage Organizations.

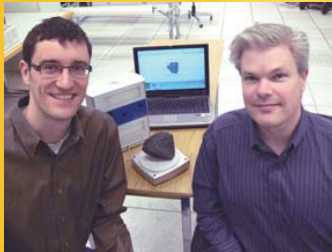
*Due to unrealized projects and unexpended funds from previous years, \$25,000 was available from the Endowment Fund this year. ** As there is a Friends of the University of Alberta Museums casino scheduled for July 2008, the Friends were able to contribute more funds than usual this year in an effort to deplete their available resources. ***As a result of both of the above situations, we were able to award financing to more projects than usual this year.

Curators or other 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. Over \$2.3 million in grants were awarded to these researchers between April 2, 2007 and March 31, 2008. (Refer to Appendix E for detailed funding information. These figures reflect information provided by the Research Services Office.)

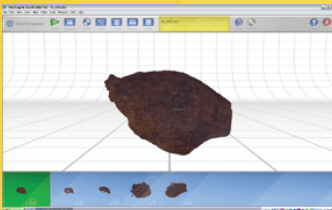
The Policy and Planning Committee continues to discuss the need for a larger U of A Museums endowment, and this will remain an ongoing concern until we develop and implement a plan to address this issue.

2.6 Activity Six: Appointment of Expert Examiners (New activity)

The University of Alberta is currently updating its list to strategize a process for appointing expert examiners, maintained by Canadian Heritage in order to review export permits of cultural property.



Dr. Herd (*left*) and his graduate students are using a NextEngine Desktop 3D Scanner recently purchased by Earth and Atmospheric Sciences to capture 3D data and render software models of newly recovered meteorites and others from the U of A's Meteorite Collection, which contains 1,100 samples from around the world.



An example of a virtual 3D meteorite model.

{dare to discover where wonder meets *wisdom*}

Professor Christopher Herd of the Earth and Atmospheric Sciences department, and curator of both the Mineralogy and Meteorite Collections, teamed up with AICT Visualization Analyst Chris Want to address the special needs of meteorite research. Due to their scarcity within collections at research universities, meteorites must be documented in detail prior to any invasive research, which includes cutting the meteorite open and mounting a sample on a microscope slide. To capture a 3D representation, Want performs eight or more laser scans of an array of points on an object, with each view related to the incremental rotation of the turntable. The 3D file can be used to provide a form of public access to rare meteorites, using a combination of online images and working with AICT's 3D color printer to produce tangible, hands-on 3D plaster models.

Dr. Herd and his graduate students are using AICT's NextEngine Desktop 3D Scanner and Want's 3D graphics expertise to capture 3D data and render software models of about 70 meteorite samples from the U of A's Meteorite Collection, which contains 1,100 samples from around the world.

Appendix A:

Policy and Planning Committee Membership

Chair

Dr. M. Caldwell, Departments of Biological Sciences and Earth and Atmospheric Sciences,
and Chair, Curators' Committee

Ex Officio (voting)

J. Andrews, Executive Director, Museums and Collections Services
Dr. T. Kieren, President, Friends of the University of Alberta Museums

Curators' Committee (elected)

Dr. C. Herd, Department of Earth and Atmospheric Sciences
Dr. A. Murray, Department of Biological Sciences
Dr. H. Proctor, Department of Biological Sciences
Dr. P. Willoughby, Department of Anthropology

General Faculties Council (elected)

Dr. J. Mouat, Augustana College
D. Jones, Map Library

Graduate Students' Association (elected)

J. Dombroskie, Department of Biological Sciences

Undergraduate Student Representative

E. Donald, Department of Human Ecology

Secretary (non-voting)

F. Blondheim, Museums and Collections Services

Appendix B:

Directory of the University of Alberta Museums

Faculty of Agricultural, Life & Environmental Sciences

Devonian Botanic Garden
Devonian Botanic Garden
Herbarium
Curator: Dr. R. Belland

Department of Human Ecology
Clothing and Textiles Collection
Curator: Dr. A. Lambert (on leave)
Managing Curator: J. Petrov

Department of Renewable Resources
Dendrology Collection
Curator: Dr. B. Dancik

Soil Science Monolith Collection
Curator: Dr. N. Juma

Wildlife Collection
Curator: Dr. L. Foote

Wood Sample Collection
Collections Staff: B. Longworth

Faculty of Arts

Department of Anthropology
Archaeology Collection
Curator: Dr. P. Willoughby
Ethnographic Collection
Curator: P. Mayne Correia

Fossil Hominid Cast Collection
Curator: P. Mayne Correia

Osteology Collection
Curator: Dr. S. Garvie-Lok

Zooarchaeology Reference Collection
Curator: Dr. R. Losey

Department of Art and Design
Division Print Collection
Curator: Prof. L. Ingram

Department of History and Classics
W. G. Hardy Collection of Ancient Near Eastern and Classical

Antiquities
Curator: Dr. J. Rossiter

Department of Modern Languages and Cultural Studies
Bohdan Medwidsky Ukrainian Folklore Archives
Curator: Dr. A. Nahachewsky

Department of Music:
Canadian Centre for Ethnomusicology / folkwaysAlive!
Curator: Dr. R. Qureshi

Faculty of Engineering

Engineering Collection
Curator: Vacant

Faculty of Medicine and Dentistry

Department of Dentistry and Oral Hygiene
Dentistry Museum Collection
Curator: Dr. G. Sperber

Department of Laboratory Medicine and Pathology
Pathology Gross Teaching Collection
Curator: Dr. D. Rayner

Faculty of Science

Department of Biological Sciences
Cryptogamic Herbarium
Curator: Dr. C. La Farge

Vascular Plant Herbarium
Curator: Dr. J. Hall

Paleobotanical Collection
Curator: Dr. R. Stockey

E.H. Strickland Entomological Museum
Curator: Dr. F. Sperling

Freshwater Invertebrate Collection
Curator: Dr. H. Proctor

University of Alberta Museum
of Zoology
The Jim van Es Invertebrate and
Malacology Collection
Curator: Dr. R. Palmer

University of Alberta Museum of
Zoology
Amphibian and Reptile Collection
Curator: Dr. C. Paszkowski

University of Alberta Museum of
Zoology
Ichthyology Collection
Curator: Dr. A. Murray

University of Alberta Museum of
Zoology
Mammalogy Collection
Curator: Dr. A. Derocher

University of Alberta Museum of
Zoology
Ornithology Collection
Curator: Dr. C. Paszkowski

Parasitology Collection
Curator: Dr. A. Shostak

**Department of Biological
Sciences and Department of Earth
and Atmospheric Sciences**

Laboratory for Vertebrate
Paleontology
Curators: Dr. M. Caldwell,
Dr. P. Currie, Dr. M. Wilson

**Department of Earth and
Atmospheric Sciences**

Mineralogy Collection
Curators: Dr. T. Chacko, Dr. C. Herd

Meteorite Collection
Curator: Dr. C. Herd

Paleontology Collections
Curators: Dr. M. Caldwell,
Dr. B. Jones

Petrology Collection
Curators: Dr. T. Chacko, Dr. C. Herd

Shell Canada Drill Core Collection
Curator: Dr. A. Locock

Museums and Collections Services

University of Alberta Art
Collection
Curators: J. Corrigan (Art and
Historical Artifacts),
Dr. P. McCormack (Ethnography)

Appendix C:

Museums and Collections Services Staff

Janine Andrews	Executive Director
Frannie Blondheim	Associate Director
Jim Corrigan	Curator, University of Alberta Art Collection
Ellen Cunningham	Exhibition and Outreach Manager
Tom Hunter	Collections Assistant
Irene Karsten	Museums Conservator
Jennifer Kuchta	Communications and Marketing Coordinator
Pauline Rennick	Collections Management Manager
Kyle Schmidt	Web Applications Developer
Jim Whittome	Information Management Advisor

Appendix D:

Friends of the University of Alberta Museums

Board of Directors: 2007-2008

Tom Kieren	President
Julia Boberg	Past-President
Muriel Nelson	Acting Vice-President, Newsletter Committee Chair
Halfdan (Bud) Baadsgaard	Secretary
Diana Bacon	Treasurer
Adrienne Boender	Programs Committee Chair
Jean Mucha	Membership Committee Chair
Holly Sykora	Director-at-Large
Caitlin Wells	Director-at-Large
Tovah Yedlin	Director-at-Large
Donna Zuk	Director-at-Large

Appendix E:

Detailed Funding Report

Section One

The following information provides details of funding acquired by Museums and Collections Services for museum and collection projects between July 1, 2007 and June 30, 2008:

The Friends of the University of Alberta Museums (\$48,255)

Anthropology – Fossil Hominid Cast Collection (\$955)

Purchase of fossil hominid skulls and extant primate skulls recently made available to the international community for teaching and outreach purposes.

Anthropology – Osteology Collection (\$1,184)

Upgrade of resources in the Human Skeletal Material Collection. Purchase of several plastic casts to augment gaps in collection for teaching and community outreach purposes related to forensic anthropology, human development and paleopathology.

Biological Sciences – Jim Van Es Marine Invertebrates Collection (\$6,071)

Hire student to prepare mount specimens from the marine invertebrate and malacology collection for teaching and to make accessible through new public display cabinets.

Biological Sciences – Lab for Vertebrate Paleontology Collection (\$7,000)

Purchase of four mososaurs for research, teaching and display. Purchase of replicas of dinosaurs and other archosauromorph reptiles to augment collection for teaching and outreach purposes.

Devonian Botanic Garden – DBG Herbarium Collection (\$2,000)

Hire collections assistant for four months to continue to digitize label/specimen information to make collections information accessible via the Internet.

Earth and Atmospheric Sciences – Paleontology Museum (\$5,400)

Redesign of the PreCambrian / Ediacaran display cabinet for use in teaching classes, school visits and general public access showing earth's early development.

Earth and Atmospheric Sciences – Mineralogy/Petrology Museum (\$5,720)

Renewal of the Canadian Shield display to include updated information to convey geological concepts to audiences.

Human Ecology –Clothing and Textiles Collection (\$5,425)

Provision of rolled storage for a portion of the Rosenberg quilts collection to ensure the collection is stored properly and accessible to students, researchers and the public.

The MUSE Project (\$10,000)

Salary support for the Education Program Assistant to deliver this free curriculum-based museum tour program with education kits for schools, students/teachers enrolled in Edmonton and area schools grades 6 – 9.

Museums and Collections Services - Annual Public Programs (\$5,000)

Includes materials and promotional support for Science Sunday for kids and families, and additional public lectures/guided tours of museums and exhibits, workshops to provide opportunities for the general public to engage with the university's museums and exhibits.

Music – Canadian Centre for Ethnomusicology/Folkways (\$4,500)

Hire Collections Management assistant to help with cataloguing, digitization, records management, re-arrangement of storage space and preparing display cabinets of musical instruments, recordings, images and other collections materials.

Renewable Resources – Soil Monolith Collection (\$2,000)

Complete displays on “The Story of Soil Science in Alberta: A Guided Tour of Soil Resources at the University of Alberta”.

Community Outreach Endowment Fund (\$25,067)

Anthropology – Archaeology Collection (\$2624)

Continued digitization of the Archaeology collection.

Anthropology – Zooarchaeology Reference Collection (\$3218)

Continued digitization of the Zooarchaeology Reference collection.

Biological Sciences – E.H. Strickland Entomological Museum (\$9000)

Continued digitization of the collection for use on Virtual Museum

Biological Sciences – Vascular Plant Herbarium (\$5000)

Continued database development

Biological Sciences – Museum of Zoology (\$5225)

Provide support to maintain and upgrade fish, reptile, and amphibian collections and prepare new osteological fish specimens.

**Government of Canada (\$15,200)
Young Canada Works (Canadian Heritage)**

University of Alberta Art Collection (\$7200)

Salary support for summer student working on preparation for move of art collection from NREF to Terrace as well as an exhibition in University Hall.

Anthropology (\$8000)

Offered in conjunction with the Canadian Heritage Information Network (CHIN), this grant enabled the testing of a new data standards tool developed by CHIN using Archaeology collection records. The records developed by the intern will be uploaded by Museums and Collections Services staff into the Canadian Heritage Artifacts Canada database.

Curators of Collections Report - Awards Payments in 2007-2008

First Name	Last Name	Project Title	App Date	Faculty	Agency	Payment	Payment Date	Type
GEORGE	BALL	Biodiversity studies of carabid beetles in the Western Hemisphere	01-APR-05	Science	Natural Sciences Engineering Research Council	\$18,000	01-APR-07	Grant
OWEN	BEATTIE	Ethical issues in transplantation and research with deceased individuals: Perspectives from recent immigrants to Canada and health care professionals	01-APR-06	Arts	Canadian Institutes of Health Research	\$40,721	01-APR-07	Grant
RENE	BELLAND	Monitoring of non vascular plants in relation to air quality: assessing species diversity over time in Elk Island National Park and surrounding area	01-APR-07	Agricultural, Life and Environmental Sciences	Strathcona County	\$22,701	20-FEB-08	Grant
MICHAEL	CALDWELL	Squamate phylogeny and evolution: Fossil marine lizards, snakes, and "basal" terrestrial lizards E-SUBMISSION	01-APR-05	Science	Natural Sciences Engineering Research Council	\$28,900	01-APR-07	Grant
THOMAS	CHACKO	Evolution of continental crust: experimental and field-based studies	01-APR-05	Science	Natural Sciences Engineering Research Council	\$39,000	01-APR-07	Grant
PHILIP	CURRIE	Dinosaur Palaeobiology	01-APR-05	Science	Canada Research Chairs	\$200,000	01-OCT-07	
PHILIP	CURRIE	Palaeobiology (including anatomy, biomechanics, interrelationships, palaeobiogeography, palaeoecology) of theropod dinosaurs E-SUBMISSION	01-APR-05	Science	Natural Sciences Engineering Research Council	\$57,100	01-APR-07	Grant
PHILIP	CURRIE	Palaeobiology of meat-eating dinosaurs GROUP 1	01-APR-05	Science	Alberta Ingenuity Fund	\$100,000	01-SEP-07	Grant
PHILIP	CURRIE	Memorandum of Understanding	01-APR-06	Science	Korea Institute of Geoscience & Mineral Resources	\$36,000	01-JUL-07	Grant
BRUCE	DANCIK	Editor-in-Chief, Journals & Monographs Programs - NRC.	01-APR-05	Agricultural, Life and Environmental Sciences	National Research Council of Canada	\$47,000	10-FEB-08	Academic Service Contract
BRUCE	DANCIK	Editor-in-Chief, Journals & Monographs Programs - NRC.	01-APR-05	Agricultural, Life and Environmental Sciences	National Research Council of Canada	\$40,000	11-AUG-07	Academic Service Contract
ANDREW	DEROCHER	Development of a Grizzly Bear Population Estimation Model	01-APR-08	Science	Government of the Yukon	\$18,000	01-APR-07	Grant

Curators of Collections Report - Awards Payments in 2007-2008

First Name	Last Name	Project Title	App Date	Faculty	Agency	Payment	Payment Date	Type
ANDREW	DEROCHER	Mackenzie Delta Grizzly Bear Research Program	01-APR-05	Science	Government Of The Northwest Territories	\$37,300	01-APR-07	Grant
ANDREW	DEROCHER	Polar Bears and Climate Change	01-APR-07	Science	Government of Manitoba	\$4,820	01-JAN-08	Grant
ANDREW	DEROCHER	Foxe Basin Polar Bear Research 2007-2008	01-APR-07	Science	Government of Nunavut	\$65,000	01-APR-07	Contract
ANDREW	DEROCHER	Ecology of polar bears in Wager Bay in relation to climate change, Ukkusikalik National Park, Nanavut Territory, Canada	01-APR-07	Science	BC Ministry of Forests	\$52,500	01-MAR-08	Grant
ANDREW	DEROCHER	Populations and Sources of Recruitment in Polar Bears	01-APR-05	Science	United States Department of the Interior MMS	\$261,658	01-APR-07	Contract
ANDREW	DEROCHER	Polar bears and climate change: habitat use and trophic interactions	01-APR-03	Science	Natural Sciences Engineering Research Council	\$20,000	01-APR-07	Grant
ANDREW	DEROCHER	Polar bears and climate change: habitat use and trophic interactions	01-APR-02	Science	Natural Sciences Engineering Research Council	\$25,000	01-APR-07	Grant
ANDREW	DEROCHER	Global warming and arctic marine mammals (GWAMM) *PI: FERGUSON, Steven w/Dept. of Fish & Oceans*	01-APR-05	Science	Government of Canada - IPY Canadian Program Office Federal Secretariat	\$14,000	01-APR-07	Grant
ANDREW	DEROCHER	Monitoring Population, Documenting Habitat Use Patterns, Population	01-APR-07	Science	Canadian Wildlife Federation	\$75,000	01-APR-07	Grant
A	FOOTE	Peatland Reclamation Study (NSERC CRD Subgrant)	01-APR-06	Agricultural, Life and Environmental Sciences	Universite Laval	\$17,900	01-MAY-07	Grant
A	FOOTE	TMX - Anchor Loop Project	01-APR-07	Agricultural, Life and Environmental Sciences	Kinder Morgan Canada Inc.	\$20,000	01-JAN-08	Grant
A	FOOTE	TMX - Anchor Loop Project	01-APR-07	Agricultural, Life and Environmental Sciences	Kinder Morgan Canada Inc.	\$20,000	01-JUN-07	Grant

Curators of Collections Report - Awards Payments in 2007-2008

First Name	Last Name	Project Title	App Date	Faculty	Agency	Payment	Payment Date	Type
A	FOOTE	Bird assemblages as integrators and indicators of reclamation efficacy in surface mined oil sands areas	01-APR-05	Agricultural, Life and Environmental Sciences	Cumulative Environmental Management Association	\$0	01-JAN-08	Grant
A	FOOTE	Carbon dynamics, food web structure, and reclamation strategies in Athabasca oil sands wetlands FR: Dr. J. Ciborowski, U of Windsor	01-APR-05	Agricultural, Life and Environmental Sciences	University of Windsor	\$14,548	01-NOV-07	Grant
A	FOOTE	Genesee mine marsh creation project study	01-APR-03	Agricultural, Life and Environmental Sciences	Epcor	\$27,000	01-APR-07	Industrial Grant
JOCELYN	HALL	Phylogenetics and Morphological Diversification in Capparaceae, Cleomaceae, and Brassicaceae	01-APR-06	Science	Natural Sciences Engineering Research Council	\$30,660	01-APR-07	Grant
JOCELYN	HALL	Microscopy for Plant Research	01-APR-06	Science	Natural Sciences Engineering Research Council	\$0	31-MAR-08	Grant
CHRISTOPHER	HERD	Experimental studies of martian basalts and their mantle sources	01-APR-02	Science	Natural Sciences Engineering Research Council	\$24,000	01-APR-07	Grant
CHRISTOPHER	HERD	Astromaterials Working Group	01-APR-06	Science	Canadian Space Agency	\$9,000	09-JUL-07	Grant
CHRISTOPHER	HERD	CSA SS Fellowship - Walton	01-APR-07	Science	Canadian Space Agency	\$45,000	01-AUG-07	Grant
BRIAN	JONES	Editorial Services	01-APR-03	Science	National Research Council of Canada	\$13,000	01-JUL-07	Academic Service Contract
BRIAN	JONES	Carbonate facies and diagenesis/hot spring deposits	01-APR-03	Science	Natural Sciences Engineering Research Council	\$58,920	01-APR-07	Grant
NOORALLAH	JUMA	Assessment of Soil Quality on TSN Plots at Ellerslie and Breton Utilizing Physical Chemical and Biological Properties	01-APR-08	Agricultural, Life and Environmental Sciences	Agrium Inc.	\$5,000	01-JAN-08	Grant

Curators of Collections Report - Awards Payments in 2007-2008

First Name	Last Name	Project Title	App Date	Faculty	Agency	Payment	Payment Date	Type
NOORALLA H	JUMA	Assesment of soil quality on TSN plots at Ellerslie and Breton utilizing physical, chemical and biological properties	01-APR-07	Agricultural, Life and Environmental Sciences	Western Cooperative Fertilizers Limited	\$5,000	01-SEP-07	Grant
NOORALLA H	JUMA	Development of Benchmark Monitoring Sites for the Assessment of Soil Quality on Disturbed Soils utilizing Physical, Chemical and Biological Properties	01-APR-07	Agricultural, Life and Environmental Sciences	Alberta Environment (106 St.)	\$50,000	01-SEP-07	Grant
NOORALLA H	JUMA	AT-Grade Onsite Sewage System Testing in Leduc County	01-APR-07	Agricultural, Life and Environmental Sciences	Leduc County	\$3,000	01-OCT-07	Grant
NOORALLA H	JUMA	Assesment of soil quality on TSN plots at Ellerslie and Breton utilizing physical, chemical and biological properties	01-APR-07	Agricultural, Life and Environmental Sciences	Agrium Inc.	\$5,000	01-SEP-07	Grant
NOORALLA H	JUMA	Assesment of soil quality on TSN plots at Ellerslie and Breton utilizing physical, chemical and biological properties	01-APR-07	Agricultural, Life and Environmental Sciences	Agrium Inc.	\$5,000	31-JAN-08	Grant
CATHERIN E	LA FARGE- ENGLAND	Biology of bryophytes	01-APR-04	Science	Natural Sciences Engineering Research Council	\$26,000	01-APR-07	Grant
ALISON	MURRAY	Systematics and biogeography of tropical frewhwater teleost fishes ***PRELIM Notice States: ON HOLD*** Was originally entered as a Univ. Faculty Award	01-APR-05	Science	Natural Sciences Engineering Research Council	\$15,200	01-APR-07	
A. RICHARD	PALMER	Comparative and experimental studies of developmental plasticity and evolution E-SUBMISSION	01-APR-05	Science	Natural Sciences Engineering Research Council	\$66,900	01-APR-07	Grant
A. RICHARD	PALMER	Plate Readers- Bamfield Marine Sciences Centre	01-APR-07	Science	Natural Sciences Engineering Research Council	\$50,562	01-MAR-08	Grant

Curators of Collections Report - Awards Payments in 2007-2008

First Name	Last Name	Project Title	App Date	Faculty	Agency	Payment	Payment Date	Type
A. RICHARD	PALMER	Incubators-Bamfield Marine Sciences Centre	01-APR-07	Science	Natural Sciences Engineering Research Council	\$19,987	01-MAR-08	Grant
CYNTHIA	PASZKOWS KI	Contemporary and Historical Genetic Diversity Analysis of Endangered Canadian Sage Grouse	01-APR-06	Science	World Wildlife Fund Canada	\$8,000	01-APR-07	Grant
CYNTHIA	PASZKOWS KI	Movement Patterns and Use of Amphibian Culverts by the Linnet Lake Population of Long- Toed Salamanders in Waterton Lakes National Park	01-APR-07	Science	Parks Canada National Office	\$7,885	23-OCT-07	Grant
CYNTHIA	PASZKOWS KI	The Role of the Western Grebe and the Red- necked Grebe in the Food-web of Lake Wabumun	01-APR-07	Science	Alberta Sport, Recreation, Parks & Wildlife Foundation	\$3,670	01-JUN-07	Grant
CYNTHIA	PASZKOWS KI	The Roles of Western Grebe and Red-necked Grebe in the Food Webs of Large Lakes in the Aspen Parkland of Alberta	01-APR-06	Science	Ducks Unlimited Canada (PRO)	\$10,400	01-APR-07	Grant
CYNTHIA	PASZKOWS KI	Effects of Energy Development on Grassland Birds	01-APR-07	Science	Public Works and Government Services Canada	\$35,510	03-MAY-07	Grant
CYNTHIA	PASZKOWS KI	Ecology of amphibians in the Western Boreal Forest and aspen parkland	01-APR-00	Science	Natural Sciences Engineering Research Council	\$18,000	01-APR-07	Grant
CYNTHIA	PASZKOWS KI	Review of Data on the Canadian Toad in Alberta	01-APR-07	Science	Alberta Sustainable Resource Development	\$8,000	01-JUN-07	Technical Service Contract
HEATHER	PROCTOR	Branchiobdellidan Taxonomy in Aid of Co- Invasion Study	01-APR-07	Science	Society of Systematic Biologists	\$2,000	15-JUN-07	Grant
HEATHER	PROCTOR	Proximate and ultimate controls of diversity: Testing using mites	01-APR-02	Science	Natural Sciences Engineering Research Council	\$18,000	01-APR-07	Grant
REGULA	QURESHI	Female agency and patrilineal constraints: situating courtesans in 20th century India	01-APR-03	Arts	Social Sciences & Humanities Research Council	\$16,761	01-APR-07	Grant
REGULA	QURESHI	South Asian Music and Culture in Canada: Heritage, Acculturation, Transformation	01-APR-06	Arts	Canadian Heritage	\$151,042	01-SEP-07	Grant
REGULA	QURESHI	Making Sound Connections: Live, Mediated and Virtual Music Communities - University of Alberta, November 2-4, 2007	01-APR-07	Arts	University Conference Fund	\$2,000	01-JUL-07	Grant
DAVID	RAYNER	Aboriginal Summer Science Camp, University of Alberta	01-APR-07	Medicine and Dentistry	Health Canada	\$45,169	15-JUN-07	Grant

Curators of Collections Report - Awards Payments in 2007-2008

First Name	Last Name	Project Title	App Date	Faculty	Agency	Payment	Payment Date	Type
DAVID	RAYNER	Health Services/Aboriginal Health Human Resource Initiative: Aboriginal Health Day	01-APR-07	Medicine and Dentistry	Health Canada	\$9,121	01-OCT-07	Grant
JEREMY	ROSSITER	Travel to Libya: Canadian Archaeological Project in Libya	01-APR-07	Arts	Killam Research Fund - Vice President Research (UofA)	\$6,754	01-JUN-07	
LYNNE	SIGLER	PCR Workstation and peripherals for molecular lab.	01-APR-07	Interdisciplinary Research Units	EFF Support for the Advancement of Scholarship	\$4,980	01-APR-07	
LYNNE	SIGLER	Systematics of fungi in the human environment E-SUBMISSION	01-APR-05	Agricultural, Life and Environmental Sciences	Natural Sciences Engineering Research Council	\$31,878	01-APR-07	Grant
LYNNE	SIGLER	University of Alberta microfungus collection and Herbarium (UAMH)	01-APR-04	Agricultural, Life and Environmental Sciences	Natural Sciences Engineering Research Council	\$52,767	01-APR-07	Grant
FELIX	SPERLING	Speciation, phylogeny and diversity of insects	01-APR-02	Science	Natural Sciences Engineering Research Council	\$59,500	01-APR-07	Grant
FELIX	SPERLING	Developing biodiversity patterns for predicting the effect of management on the boreal mixedwood forests of Alberta (Co-Pi w/Fangliang HE)	01-APR-05	Science	Sustainable Forest Management Network (NCE)	\$25,000	01-APR-07	Grant
RUTH	STOCKEY	Cretaceous and Paleogene Vegetation of Western Canada: Organismal and Floristic Evolution	01-APR-06	Science	Natural Sciences Engineering Research Council	\$48,120	01-APR-07	Grant
MARK	WILSON	Phylogenetic and Paleocological Studies of Early Vertebrates and Fossil Fishes	01-APR-06	Science	Natural Sciences Engineering Research Council	\$54,860	01-APR-07	Grant

Appendix F: Collections Use in Current Classes

In 2007, a survey was conducted by Museums and Collections Services at the University of Alberta to determine the number of courses that use collections in teaching programs. Approximately 30 surveys were returned and the results are charted below. Of particular note was the number of courses currently being taught that could benefit from the integration of museums objects into the curriculum (e.g., use of the Mactaggart Art Collection in undergraduate and graduate history courses).

Faculty	Number of courses using museum objects	Enrolment	Number of courses teaching related subjects	Enrolment	Number of current courses with potential to use museum objects	Enrolment
Science	42	2698	2	57	16	724
Arts	62	1519	16	7	64	325
Law	n/a	n/a	n/a	n/a	9	n/a
ALES	9	251	2	153	n/a	n/a
Education	n/a	n/a	3	n/a	n/a	n/a
Extension	n/a	n/a	2	n/a	n/a	n/a

