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}
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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.

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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.
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)
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.

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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.

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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 move 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:

i) 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);

ii) 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

iii) 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.

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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.

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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.

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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

Faculty of Engineering

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 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

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.
<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Project Title</th>
<th>App Date</th>
<th>Faculty</th>
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<td>01-APR-06</td>
<td>Arts</td>
<td>Canadian Institutes of Health Research</td>
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<td>Agricultural, Life and Environmental Sciences</td>
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<td>CALDWELL</td>
<td>Squamate phylogeny and evolution: Fossil marine lizards, snakes, and &quot;basal&quot; terrestrial lizards E-SUBMISSION</td>
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<td>Natural Sciences Engineering Research Council</td>
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<td>Development of a Grizzly Bear Population Estimation Model</td>
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Source: UARMS Research Application, Awards and Contracts Database
Prepared by the Research Services Office

The following information provides details of research grants received by curators and contacts of individual museums and collections.
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<th>First Name</th>
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<td>01-APR-05</td>
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<td>Assessment of Soil Quality on TSN Plots at Ellerslie and Breton Utilizing Physical Chemical and Biological Properties</td>
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<td>$31,878</td>
<td>01-APR-07</td>
<td>Grant</td>
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<tr>
<td>LYNNE</td>
<td>SIGLER</td>
<td>University of Alberta microfungus collection and Herbarium (UAMH)</td>
<td>01-APR-04</td>
<td>Agricultural, Life and Environmental Sciences</td>
<td>Natural Sciences Engineering Research Council</td>
<td>$52,767</td>
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<td>FELIX</td>
<td>SPERLING</td>
<td>Speciation, phylogeny and diversity of insects</td>
<td>01-APR-02</td>
<td>Science</td>
<td>Natural Sciences Engineering Research Council</td>
<td>$59,500</td>
<td>01-APR-07</td>
<td>Grant</td>
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<td>FELIX</td>
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<td>Developing biodiversity patterns for predicting the effect of management on the boreal mixedwood forests of Alberta (Co-Pi w/Fangliang HE)</td>
<td>01-APR-05</td>
<td>Science</td>
<td>Sustainable Forest Management Network (NCE)</td>
<td>$25,000</td>
<td>01-APR-07</td>
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<td>RUTH</td>
<td>STOCKEY</td>
<td>Cretaceous and Paleogene Vegetation of Western Canada: Organismal and Floristic Evolution</td>
<td>01-APR-06</td>
<td>Science</td>
<td>Natural Sciences Engineering Research Council</td>
<td>$48,120</td>
<td>01-APR-07</td>
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<td>MARK</td>
<td>WILSON</td>
<td>Phylogenetic and Paleoecological Studies of Early Vertebrates and Fossil Fishes</td>
<td>01-APR-06</td>
<td>Science</td>
<td>Natural Sciences Engineering Research Council</td>
<td>$54,860</td>
<td>01-APR-07</td>
<td>Grant</td>
</tr>
</tbody>
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Source: UARMS Research Application, Awards and Contracts Database
Prepared by the Research Services Office
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).

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Number of courses using museum objects</th>
<th>Enrolment</th>
<th>Number of courses teaching related subjects</th>
<th>Enrolment</th>
<th>Number of current courses with potential to use museum objects</th>
<th>Enrolment</th>
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<tbody>
<tr>
<td>Science</td>
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<td>2698</td>
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<td>57</td>
<td>16</td>
<td>724</td>
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<tr>
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<td>1519</td>
<td>16</td>
<td>7</td>
<td>64</td>
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<td>2</td>
<td>n/a</td>
<td>n/a</td>
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</tbody>
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