

# Canadian Zooarchaeology Zooarchéologie canadienne



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**Canadian Zooarchaeology/Zooarchéologie canadienne**


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**EDITOR'S NOTE/NOTE DE L'EDITEUR**

Zooarchaeology in Canada has come a long way - from a few lone researchers in the early 1900's to our mailing list today of over 70 people!

It seems that there are enough zooarchaeologists in Canada, and enough zooarchaeological concerns unique to the fauna and climate of Canada that a newsletter to facilitate communication is warranted.

The newsletter will include listings on recent events and publications, with a Canadian focus. Each issue will include short research articles, the first being Anne Rick's report in this issue.

Each issue will also have a feature article or listing - this issue features zooarchaeological researchers in Canada with their research interests and their 1991 and forthcoming publications. Features for the next 3 issues are listed in the accompanying letter but other suggestions are welcome!

I want to thank everyone for their enthusiastic response to the newsletter. Many people

have offered suggestions and advice, and I am grateful to all of them.

Have a good end-of-winter and spring! The fall issue comes out in September.

Kathlyn Stewart,  
Editor

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*Dr. Kathlyn Stewart,  
Zooarchaeology,  
Canadian Museum of Nature,  
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**FEATURE/ARTICLE DE FOND:  
CURRENT RESEARCH AND  
PUBLICATIONS (BY RESEARCHER'S  
PROVINCE OF AFFILIATION)**

**ALBERTA**

**Beaudoin, Alwynne B.** Palaeoenvironmental Research Officer, Archaeological Survey, Provincial Museum of Alberta, 8820-112 Street, Edmonton, Alta., T6G 2P8.

**Research Interests:** Paleoenvironmental reconstruction based on pollen analysis.

**Brink, Jack.** Archaeological Survey, Provincial Museum of Alberta, 12845-102 Ave., Edmonton, Alta., T6N 0M6.

**Research interests:** General: method and theory in archaeological analysis. Specific: taphonomy, historic and prehistoric bison hunting and butchering, application of animal science in understanding the structure of faunal assemblages, faunal preservation and representation. Now working on bison and caribou anatomy and physiological bioenergetics in attempt to model various states of animal condition according to sex, age and seasonality, then compare with prehistoric hunting strategies and faunal patterns.

**Harpham, Shirley.** Faunal Technologist, Department of Anthropology, 13-15 HM Tory Building, University of Alberta, Edmonton, Alta. T6G 2H4.

**Research Interests:** Vertebrates of the Arctic and Alberta. Primarily involved in management of collections.

**Lemoine, Genevieve.** Department of Archaeology, University of Calgary, 2500 University Drive NW, Calgary, Alta. T2N 1N4. **Research Interests:** Bone technology, specifically use wear. **Publications:**

Lemoine, G. 1991. Experimental Analysis of the Manufacture and Use of Bone and Antler Tools Among the Mackenzie Inuit. Unpublished Ph.D. Thesis, University of Calgary, Calgary.

**McCullough, Karen.** Research Associate, Arctic Institute of North America, University of Calgary, 2500 University Drive NW, Calgary, Alta., T2N 1N4.

**Research Interests:** General: High Arctic prehistory, Thule culture prehistory and Polar Eskimo ethnography. Specific: faunal remains from Thule culture winter settlements and study of changes in diet and subsistence throughout the Thule culture continuum in the eastern High Arctic. Current projects include a monograph on Thule culture development in the Bache Peninsula region, Ellesmere Island, NWT, co-authored with P. Schledermann.

**Nagy, Murielle.** Department of Anthropology, University of Alberta, Edmonton, Alta., T6G 2H4.

**Research Interests:** Arctic prehistory, specifically the Mackenzie Delta and Nouveau-Quebec.

**Publications:** Nagy, M. 1991. Bone and Antler Tools from a Late prehistoric Mackenzie Inuit Site. In NOGAP Archaeology Project: An Integrated Archaeological

Research and Management Approach. Canadian Archaeological Association Occasional Paper 1, pp.45-54.

**Willoughby, Pamela R.** Assistant Professor, Department of Anthropology, University of Alberta, Edmonton, Alberta, T6G 2H4.

**Research Interests:**

Is currently directing a project on Stone Age archaeology in Tanzania, surveying mid-upper Pleistocene aged sites. The focus of the project is technology and adaptation, and their relationship to the emergence of anatomically modern humans.

**Publications:**

**Willoughby, P.R.** 1991. Human origins and the sexual division of labour: an archaeological perspective. In Walde, D. and Willows, N., eds. *The Archaeology of Gender: proceedings of the 22nd Annual Chacmool Conference*, Calgary, pp 284-291.

**Willoughby, P.R.** 1991. Earlier stone age archaeology and African studies: a move towards reconciliation. *Canadian Journal of African Studies* 25,1:70-88.

**Willoughby, P.R.** 1991. Prehistoric archaeology in southwestern Tanzania. *Newsletter of the Canadian African Studies Association*:3-8.

**Wilson, Michael C.** Department of Geography, University of Lethbridge, Lethbridge, Alta. T1K 3M4.

**Research Interests:**

Quaternary vertebrate paleontology; faunal remains from

archaeological sites - Great Plains of North America, Sahel of West Africa, and People's Republic of China; Holocene microevolution especially of ungulates; evolution of Bison; use of vertebrates in paleoecological reconstruction. Also a participant in the FAUNMAP project, which is a collaborative US-Canada project mapping mammal occurrences in North America from 40,000 BP to now.

**Publications:**

**Wilson, M.C.** In press. *Bison in Alberta: paleontology, evolution, and relationships with humans*. Alberta 3.

**Wilson, M.C.** 1991. *The La Brea Bison: dentition, population dynamics and taxonomy*. Abstract for Southern California Academy of Sciences, 100th Anniversary Annual Meeting, May 10-11, 1991 Abstracts. University of Southern California, Los Angeles, p.12.

**BRITISH COLUMBIA**

**Barton, Andrew J.** Department of Archaeology, Simon Fraser University, Burnaby, B.C., Columbia, V5A 1S6.

**Research Interests:**

Northwest coast archaeology and ethnology, zooarchaeology, fish, fish, mammals, birds, museology, laboratory techniques, prehistoric trade and exchange.

**Publications:**

**Barton, A.J.** 1991. Fishing for ivory worms: a review of Northwest Coast *Dentalium* procurement methods. *The Midden* 23(2):6-9.

**Crockford, Susan.** Pacific IDentifications, 4053 Nelthorpe

Street, Victoria, BC, V8X 2A2.

**Research Interests:**

Zoogeography, taxonomy, osteometrics, phylogenetics of dogs. She is starting a Masters program, focusing on the osteometric analysis of prehistoric dogs from 15 sites on the central Northwest Coast.

**Publications:**

Crockford, S. 1991. Environmental controls for primary storage. In Henry, Erin, ed. Guide to the curation of archaeozoological collections. Proceedings of the Curation Workshop, 6th ICAZ Conference, p.76.

**Driver, Jon.** Associate Professor, Department of Archaeology, Simon Fraser University, Burnaby, B.C., V5A 1S6.

**Research Interests:**

Fauna from Charlie Lake Cave in Peace River, B.C. Horticultural hunters in the American Southwest.

**Publications:**

Driver, J. In press. Identification, classification and zooarchaeology. Circaea.

Driver, J. and Hobson, K. In press. A 10500 year record of avian remains from the southern boreal forest. Arctic.

Driver, J. 1991. Assemblage formation at the Robinson Site (LA 46326). In Beckett, P., ed. Mogollon V. Las Cruces: COAS Publishing and Research. pp.197-206.

**Hanson, Diane K.** Department of Archaeology, Simon Fraser University, Burnaby, BC, V7A 1S6. (Current address: 3000 Majestic Ridge #39, Las Cruces, New Mexico, USA 88001).

**Research Interests:**

Analysis of fish, bird, mammal and shellfish remains - Northwest Coast, Arctic and Southwestern US. Theoretical interests include taphonomy, quantification and sampling biases. She expresses an interest in finding unpublished faunal reports from Canadian Arctic Archipelago sites, especially from Victoria Island and the surrounding area.

**Publications:**

Hanson, D.K. 1991. Late Prehistoric Subsistence in the Strait of Georgia Region of the Northwest Coast. Unpublished PhD. Thesis, Simon Fraser University, Burnaby.

**Kuzmer, Karla D.** 39-11880 82nd Avenue, Delta, B.C., V4C 8C7.

**Research Interests:**

B.C. coastal shellmidden sites, B.C. Interior Plateau pithouse sites, taphonomy, particularly microvertebrate paleoecology.

**Munro, Natalie.** Department of Archaeology, Simon Fraser University, Burnaby, B.C., V5A 1S6.

**Research Interests:**

Domestication and use of animals, particularly in regards to the Anasazi sites (Southwestern Colorado) which span the transformation from hunter/gatherers to sedentary agriculturalists. Domestication of turkey is a focus.

**Preston, Randy.** Department of Archaeology, Simon Fraser University, Burnaby, B.C. V5A 1S6.

**Research Interests:**

Method and theory in micro-

vertebrate taphonomy, paleo-environment reconstructions in the late Pleistocene/early Holocene. He is presently analysing microfaunal remains from the Charlie Lake Cave site in northeastern BC.

**Wigen, Becky.** Pacific Identifications, 4053 Nelthorpe Street, Victoria, B.C., V8X 2A2. Research Interests:

Taphonomy, biogeography, Northwest Coast prehistory, comparative collection management. Becky is currently upgrading the regional coverage of the comparative collections at the University of Victoria, particularly fish and birds.

Publications:

Acheson, S. and Wigen, R.J. In press. Evidence for a Prehistoric Whaling Tradition among the Haida. Proceedings of the Circum-Pacific Prehistory Conference, August 1989, Seattle.

#### MANITOBA

**Greenfield, Haskel.** Associate Professor, Department of Anthropology, University of Manitoba, 432 Fletcher Argue Bldg., Winnipeg, Manitoba, R3T 2N2.

Research Interests:

Archaeology and zooarchaeology, evolution of complex societies, cultural ecology, pastoralism, animal domestication, secondary animal products.

Publications:

Greenfield, H.J. In press. From Pork to Mutton: A Zooarchaeological Perspective on Diet, Ethnicity, and Environment in Colonial New Amsterdam and New York City.

Northeast Historical Archaeology.

Greenfield, H.J. 1991. Fauna from the Late Neolithic of the Central Balkans: Issues in Subsistence and Land Use. *Journal of Field Archaeology* 18:161-186.

Greenfield, H.J. 1991. A Kula Ring in Prehistoric Europe? A Consideration of Local and Inter-regional Exchange in Temperate Southeast Europe. In Gregg, S., ed. *Between Bands and States: Sedentism, Subsistence and Interaction in Small-Scale Societies*. Carbondale: Southern Illinois Press, pp.287-308.

**Monks, Greg.** Department of Anthropology, University of Manitoba, Winnipeg, Manitoba, R3T 2N2.

Research Interests:

Seasonality, zooarchaeological methodology, Plains and Northwest Coast geographical areas.

#### NEW BRUNSWICK

**Black, David.** Department of Anthropology, University of New Brunswick, Fredericton, N.B. E3B 5A3.

Research Interests:

Geoarchaeology, stratigraphy, taphonomy of shell middens, quantification of archaeological molluscan assemblages, prehistoric human ecology of coastal North America.

Black, D.W. In press. What images return: a study of the stratigraphy and seasonality of a shell midden in the insular Quoddy region of New Brunswick. *New Brunswick Archaeology Series*.

Black, D.W. 1992. Stratigraphic

integrity in Northeastern shell middens: an example from the insular quoddy region. In Deal, M., ed. *Archaeology in the Maritimes: Past and Present Research*. Fredericton: Council of Maritime Premiers.

Black, D.W. 1992. Living close to the ledge: prehistoric human ecology of the Bliss Islands, insular Quoddy region, New Brunswick, Canada. *Occasional Papers in Northeastern Archaeology* #6. Copetown: Copetown Press.

Stewart, Frances L. Department of Anthropology, University of New Brunswick, Fredericton, N.B. E3B 5A3.

Research Interests:

Methodology, environmental change particularly as it relates to the selection of particular species by various peoples. Currently analysing historic fauna from the Enclosure Park site in northeastern New Brunswick.

Publications:

Stewart, F.L. In press. Faunal findings from Three Longhouses of the McKeown Site (BeFv-1), a St. Lawrence Iroquoian village. *Ontario Archaeology*.

Stewart, F.L., Nash, R. and Deal, M. In press. Melanson: A central place in southwestern Nova Scotia. In *Archaeology in the Maritime Provinces: Past and Present Research*.

Stewart, F.L. 1991. The Faunal Remains from the Keffer Site (AkGf-14), a Southern Ontario Iroquois Village. *Museum of Indian Archaeology Research Report* 21.

Stewart, F.L. 1991. Floating for fauna: some methodological considerations using the Keffer Site (AkGv-14) Midden 57 faunal sample. *Canadian Journal of Archaeology* 15:97-115.

#### NEWFOUNDLAND

Murray, Maribeth. Department of Anthropology, Archaeology Unit, Memorial University, St. John's, Nfld. A1C 5S7.

Research Interests:

Arctic zooarchaeology, hunter-gatherer behaviour re animals, quantification and ethnoarchaeology. She is attending an Arctic faunal workshop dealing with seals at Hunter College in New York City. Her M.A. thesis deals with faunal remains from Dorset house sites.

#### NORTHWEST TERRITORIES

Arnold, Charles D. Director, Prince of Wales Northern Heritage Centre, Government of the Northwest Territories, Box 1320, Yellowknife, N.W.T. X1A 2L9.

Research Interests:

Specialises in the expressions and development of Mackenzie Inuit culture as revealed through archaeological investigations. In conjunction with CMN is interested in faunal remains to determine hunting patterns, seasonal and regional variation and changes in economic patterns which occurred over time.

Publications:

Arnold, C.D. and Hanks, C.C. 1991. Archaeological field training in the NOGAP area. In *Cinq-Mars*, J. and Pilon,

J-L., eds. Nogap Archaeology Project: An Integrated Archaeological and Research Management Tool. Canadian Archaeological Association Occasional Paper 1:7-14.

Arnold, C.D. and Hart, E. 1991. Winter houses of the Mackenzie Inuit. Society for the Study of Architecture in Canada 16,2:35-39.

Arnold, C.D. and Scott, R. 1991. Artifact conservation in Beaufort Sea archaeology. Canadian Journal of Archaeology 15:45-53.

#### NOVA SCOTIA

Rojo, Alfonso L. Professor, Department of Biology, Saint Mary's University, Halifax, Nova Scotia, B3H 1J3.

##### Research Interests:

Specialises in the area of marine and freshwater ichthyology, and their applications to archaeology. Main area of research is bony fish skeletons, particularly evolution and taxonomy, and scales and otoliths. Specialises in Salmonidae, Gadidae, Merluccidae and Cyprinidae. He is also interested in scientific terminology of fish anatomy, osteology and aquatic sciences in several languages.

##### Publications:

Rojo, Alfonso L. In press. X-rays as a Tool for the Specific Identification of Vertebrae of the Fish Family Gadidae. British Archaeological Reports.

Rojo, Alfonso L. 1991. Dictionary of Evolutionary Fish Osteology. CRC Press, Inc., of Florida.

#### ONTARIO

Balkwill, Darlene M. Manager, Vertebrate Zoology Collections, Canadian Museum of Nature, P.O. Box 3443, Station D, Ottawa, Ontario K1P 6P4.

##### Research Interests:

Comparative postcranial osteology of passerine birds; comparative osteometrics of ptarmigan and grouse; comparative postcranial osteology of *Bos taurus* and *Bison bison*; prehistoric coastal subsistence strategies in northern North America; paleoenvironmental reconstruction.

##### Publications:

Balkwill, D.M. and Cumbaa, S.L. In press. A guide to the identification of postcranial bones of *Bos taurus* and *Bison bison*. Syllogus, Canadian Museum of Nature.

Balkwill, D. 1991. Arrangement of collections and data. In: Henry, E. ed. Guide to the Curation of Archaeozoological Collections. Proceedings of the Curation Workshop, Sixth ICAZ Conference:80-82.

Berg, Debbie. Lecturer, Department of Anthropology, Erindale College, University of Toronto, Mississauga, Ontario, L5L 1C6.

##### Research Interests:

Interests include cleaning, cataloguing and adding to the vertebrate collection at Erindale College. She also analyses archaeological bones from Southern Ontario, as well as flotation specimens. Debbie teaches a 4th year course on Faunal Archaeo-Osteology which focuses on laboratory work as well as some theory.

Cannon, Aubrey. Assistant Professor, Department of Anthropology, McMaster University, 1280 Main Street W., Hamilton, Ontario, L8X 4L9.

Research Interests: Northwest Coast, southern Ontario. Zooarchaeological method, shell midden analysis, prehistoric utilisation of fish, adaptations to coastal environments, cultural responses to faunal resource fluctuations.

Publications:

Cannon, A. In press. Conflict and Salmon on the Interior Plateau of British Columbia. In Hayden, B., ed. Complex Cultures of the British Columbia Plateau: Traditional Stl'atl'imx

Resource Use. Vancouver: University of British Columbia Press.

Cannon, A. In press. The Early Namu Subsistence Economy. In Carlson, R.L., ed. Early Man in British Columbia. Burnaby: Simon Fraser University Publication No.20.

Cannon, A. 1991. The Economic Prehistory of Namu: Patterns in Vertebrate Fauna. Simon Fraser University Publication No.19, Burnaby.

Casey, Joanna. Department of Anthropology, University of Toronto, Toronto, Ontario, M5S 1A1.

Research Interests:

Ethnoarchaeology, especially use of indigenous resources in West Africa. Also bivalves, both coastal and freshwater in North America.

Publications:

Casey, J. 1991. Use of indigenous resources in

northern Ghana, West Africa. Paper presented at the 24th Annual Chacmool Conference, Calgary.

Churcher, C.S. Professor, Department of Zoology, University of Toronto, Toronto, Ontario, M5S 1A1.

Research Interests:

Associated faunas, either midden or environmental from North America, Africa, Middle East. Main focus is quaternary mammals of North America and Africa, and Late Cretaceous Tethyan marine vertebrates from Egypt. Future work includes analysing faunas from Egypt and from South Africa.

Publications:

Churcher, C.S. In press. Ostrich bones from the Neolithic of Dakleh Oasis, Western Desert of Egypt. *Paleoecology of Africa* 23.

Barendregt, R.W., Thomas, F.F., Irving, E., Stalker, A.MacS., and Churcher, C.S. In press. *Stratigraphy and Paleomagnetism of the Jaw Face Section, Wellsch Valley Site, Saskatchewan. Canadian Journal of Earth Sciences* 28.

Watson, V. and Churcher, C.S. In press. The Equid fossils. In Brain, C.K., ed. *Swartkrans Cave: excavation results for the seven years 1979-1986, Transvaal Museum Monograph* 7.

Churcher, C.S. 1991. The Egyptian fruit bat *Rousettus aegyptiacus* in Dakhle Oasis, Western Desert of Egypt. *Mammalia* 55,1:139-143.

Churcher, C.S. 1991. The status of *Giraffa nebraskensis*, the synonymies of *Cervalces* and *Cervus*, and additional records of *Cervalces scotti*.

Journal of Vertebrate  
Palaeontology 11,3:391-397.

**Coupland, Gary.** Assistant  
Professor, Department of  
Anthropology, University of  
Toronto, Toronto, Ontario,  
M5S 1A1.

**Research Interests:**

Origins of Northwest Coast  
cultural patterns, particularly  
subsistence and seasonality  
at the archaeological sites.

Is conducting ongoing fieldwork  
at the McNichol Creek site in  
Prince Rupert Harbour, B.C.

**Publications:**

Coupland, G. 1991. The Point  
Grey Site: a Marpole Spring  
Village Component. *Canadian  
Journal of Archaeology* 15:73-  
97.

Coupland, Gary. 1991. Review of  
Senewelets: Culture History of  
the Nanaimo Coast Salish and  
the False Narrows Midden,  
D.V. Burley. *Canadian Journal  
of Archaeology* 15:253.

**Cumbaa, Steve L.** Research  
Scientist, Earth Sciences,  
Canadian Museum of Nature, P.O.  
Box 3443, Station D, Ottawa,  
Ontario, K1P 6P4.

**Research Interests:**

Paleoecology, taphonomy,  
evolution and radiation of  
teleost fishes, early human use  
of vertebrates, whales and  
whaling. He is now working in  
Paleobiology at CMN specialising  
in fossil fishes, after a 4  
year stint in administration.

**Publications:**

Balkwill, D.M. and Cumbaa, S.L.  
In press. A guide to the  
identification of postcranial  
bones of *Bos taurus* and *Bison  
bison*. *Syllogeus*, Canadian  
Museum of Nature.

**Cumbaa, S.L.** 1991. The Bones  
Book and Skeleton.  
Toronto: Somerville House.

**Emery, Kitty.** 47 Okanagan  
Drive, Nepean, Ontario,  
K2H 7E9.

**Research Interests:**

Has worked primarily with  
faunal remains from  
Mesoamerica. Recent projects  
include analysis of  
invertebrate and vertebrate  
remains from several Mayan  
archaeological sites, including  
cave sites. A specific interest  
is changing frequencies or  
types of animal proteins in  
Mayan sites both before and  
after Spanish contact.

**Publications:**

Demarest, A., Escobedo, H.,  
Valdes, J.A., Houston, S.,  
Wright, L., and Emery, K.  
1991. *Arqueologia, Epigrafia,  
y el Descubrimiento de una  
Tumba Real en el Centro  
Ceremonial de Dos Pilas,  
Peten, Guatemala.* *U Tz'ib*  
1,1:14-28.

Dunning, N., Wright, L., Emery,  
K., Secaira, E., Lentz, D.,  
Beach, T., and Rue, D. 1991.  
*Ecologia, Agricultura y  
Nutricion en los siglos VII y  
VIII en la region de  
Petexbatun.* In *Ponencias del  
V Simposio de Arqueologia  
Guatemalteca, Guatemala.*

Emery, K. 1991. Marine Resource  
availability and use at the  
Marco Gonzalez Archaeological  
Site: Present day evidence  
from the Hol Chan Marine  
Reserve. Paper presented at  
the Annual meeting of Society  
for American Archaeology,  
New Orleans.

Harington, C.R. Research Scientist, Earth Sciences, Canadian Museum of Nature, P O Box 3443, Station D, Ottawa, Ontario, K1P 6P4.

Research Interests:

Canadian and Holarctic ice age vertebrates, particularly large mammals. Future work will also focus on paleopathology in Yukon ice age mammals.

Publications:

Harington, C.R. and Beard, G. In press. The Qualicum walrus: a Late Pleistocene walrus (*Odobenus rosmarus*) skeleton from Vancouver Island, British Columbia, Canada. *Acta Zoologica Fennica*.

Harington, C.R. and Morlan, R.E. In press. A Late Pleistocene antler artifact from the Klondike District, Yukon Territory, Canada. *Arctic*.

Harington, C.R., ed. In press. The Year without a Summer? World Climate in 1816. Canadian Museum of Nature.

Harington, C.R. 1991. Ice age animals of the Yukon Territory. *The Klondike Sun* 3(4):16.

Harington, C.R. 1991. North American short-faced bears. *Neotoma* 29:1-3.

Jackson, L.E. Jr, and Harington, C.R. 1991. Middle Wisconsinian mammals, stratigraphy and sedimentology at the Ketzia River site, Yukon Territory. *Géographie physique et Quaternaire* 45(1):69-77.

Cinq-Mars, J., Harington, C.R., Nelson, D.E., and MacNeish, R.S. 1991. Engigstciak revisited: a note on early Holocene AMS dates from

the "Buffalo Pit". In Cinq-Mars, J. and Pilon, J-L., eds. *NOGAP Archaeology Project: An Integrated Archaeological Research and Management Approach*, Canadian Archaeological Association Occasional Paper 1:33-44.

Healy, Paul F. Professor, Department of Anthropology, Trent University, Peterborough, Ontario, K9J 7B8.

Research Interests: Maya and Lower Central American archaeology and zooarchaeology. Publications:

Healy, P.F., Emery, K. and Wright, L.E. 1990. Ancient and Modern Maya Exploitation of the Jute Snail (*Pachychilus*). *Latin American Antiquity* 1(2):170-183.

Morlan, Richard E. Curator, Paleoenvironmental Studies, Archaeological Survey of Canada, Canadian Museum of Civilization, 100 Laurier St., P O Box 3100, Station B, Hull, Quebec, J8X 4H2.

Research Interests:

Quaternary paleoecology with special emphasis on archaeological sites, taphonomic analysis of cultural versus "natural" biotic records, human subsistence practices. Specialises in microtine rodents, Plains and Subarctic faunas.

Publications:

Morlan, R.E. and Matthews, Jr., J.V. In press. Range extension of the Plains Spadefoot (*Scaphiopus bombifrons*) inferred from owl pellets found near Outlook Saskatchewan. *Canadian Field Naturalist*.

Harington, C.R. and Morlan,

- R.E. In press. A Late Pleistocene antler artifact from the Klondike District, Yukon Territory. Arctic.
- Morlan, R.E. 1991. Bison carpal and tarsal measurements: bulls versus cows and calves. *Plains Anthropologist* 36-136:215-227.
- Morlan, R.E. 1991. Review of *Bone Modification*, ed. R. Bonnicksen and M. Sorg. *Canadian Journal of Archaeology* 15:247-249.
- Morrison, David.** Archaeological Survey of Canada, Canadian Museum of Civilization, 100 Laurier St., P O Box 3100, Station B, Hull, Que., J8X 4H2. Research Interests: Quantification methods and the interpretation of anatomical frequency differences.
- Prevec, Rosemary.** 944 La Salle Park Road, Burlington, Ontario L7T 1M9. Research Interests: Analysis of zooarchaeological fauna from prehistoric sites, primarily in Ontario.
- Rick, Anne M.** Zooarchaeology, Canadian Museum of Nature, P O Box 3443, Station D, Ottawa, Ontario K1P 6P4. Research Interests: Anne is back at the Canadian Museum of Nature after a 10 year absence. She started the Zooarchaeological Research Centre at the Museum in 1972, acting as director and producing research reports. She left in 1981, but returned in 1991 to take over client services at Zooarchaeology. In the past year she has analysed vertebrate faunas from historic/pre-historic archaeological sites from Ontario, Yukon, Northwest Territories and New York State.
- Savage, Howard G.** Professor, Department of Anthropology, University of Toronto, Toronto, Ontario, M5S 1A1. Research Interests: Faunal analysis of archaeological sites from Canada, UK, Belize and Japan; population studies of fauna in the northern Yukon; osteological stress in sled dogs of the Arctic; Siberian Yak in the northern Yukon refugium during the Late Pleistocene; osteological differences between wild and domestic turkeys in southern Ontario. Dr. Savage has taught the graduate/undergraduate Faunal Archaeo-Osteology course at University of Toronto from 1973 to now. Publications: Savage, H.G. 1991. Prehistoric Fauna in a Vertical Fissure Cave in the Niagara Escarpment, Dufferin County, Ontario. Paper presented at Great Lakes Archaeology and Palaeoecology: Exploring Initiatives for the Nineties Symposium, Waterloo.
- Stewart, Kathlyn M.** Research scientist, Zooarchaeology, Canadian Museum of Nature, P O Box 3443, Station D, Ottawa, Ontario, K1P 6P4. Research Interests: Quaternary vertebrates, particularly fish. Geographic areas of specialty include Africa and Canada. Theoretical interests include taphonomy, paleoecology, paleoenvironment. Publications:

- Stewart, K.M. In press. Giant catfish from the Forks archaeological site, Manitoba. Biome.
- Boaz, N.T., Bernor, R., Brooks, A.S., Cooke, H.B.S., de Heinzelin, J., Dechamps, R., Delson, E., Gentry, A.W., Harris, J.W.K., Meylan, P., Pavlakis, P., Sanders, W.J., Stewart, K.M., Verniers, J., Williamson, P.G., and Winkler, A.J. In press. A New Evaluation of the Significance of the Late Neogene Lusso Beds, Upper Semliki, Zaire. *Journal of Human Evolution*.
- Stewart, K.M. 1991. Modern Fishbone Assemblages at Lake Turkana, Kenya: A Methodology to Aid in Recognition of Hominid Fish Utilization. *Journal of Archaeological Science* 18:579-603.
- Stewart, K.M., Stephens, N.-J., and Robbins, L.H. 1991. Fish and Reptiles from the Tsodilo Hills White Paintings Rock Shelter. *Nyame Akuma* 35:11-17.
- Stewart, K.M. 1991. Africa's Electric Fish. *Biome* 11,3:4.
- Still, Leslie. #5 - 385 Besserer Street, Ottawa, Ontario, K1N 6B6.  
 Research Interests:  
 Fauna from archaeological sites; is currently analysing fish remains from the Avaqmit site on the Anderson River in the Northwest Territories.  
 Publications:  
 Still, L. 1991. The Basket Case: Deciphering Subsistence Patterns in the Southwest Anderson Plain Region, N.W.T., in the Late Prehistoric Period. In Cinq-Mars, J. and Pilon, J.-L., eds. *Nogap Archaeology Project: An*

Integrated Archaeological Research and Management Approach. Canadian Archaeological Association Occasional Paper No.1:113-129.

## QUEBEC

**Cossette, Evelyne.** Présidente, Ostéothèque de Montréal Inc., UQAM, Laboratoire d'archéologie, C.P. 8888, Succursale "A", Montréal, Québec, H3C 3P8.

### Research Interests:

Currently studying a zooarchaeological assemblage from the Pointe-du-Buisson site dating from the Late Middle Woodland.

### Publications:

Clermont, N. and Cossette, E. 1991. Prélude à l'agriculture chez les Iroquoiens préhistoriques du Québec. *Journal canadien d'archéologie* 15:35-45.

**Courtemanche, Michelle.** Ostéothèque de Montréal Inc., UQAM, Laboratoire d'archéologie, C.P. 8888, Succursale "A", Montréal, Québec, H3C 3P8.

### Research Interests:

Fishing methods, is analysing fish bones from the Late Middle Woodland site of Pointe-de-Buisson.

**Friesen, Max.** Department of Anthropology, McGill University, 855 Sherbrooke St. W., Montreal, Quebec, H3A 2T7.

### Research Interests:

Hunter-gatherer economy, arctic zooarchaeology, taphonomy, the role of ideological and social factors in bone acquisition, use and discard.

**Saint-Germain, Claire.** Ostéothèque de Montréal Inc., UQAM, Laboratoire d'archéologie, CP 8888, Succursale "A", Montréal, Québec, H3C 3P8.  
 Research Interests:  
 Nutrient content of bones found in zooarchaeological sites.

**Savelle, James M.** Assistant Professor, Department of Anthropology, McGill University, 855 Sherbrooke St W., Montreal, Quebec, H3A 2T7.  
 Research Interests:  
 Thule Eskimo subsistence; taphonomy; biometrics; dental annuli.

Publications:  
 Savelle, J.M. and McCartney, A.P. 1991. Thule Eskimo subsistence and bowhead whale procurement. In Stiner, M.C., ed. Human Predators and Prey Mortality. Boulder: Westview Press. pp.201-216.

Lyman, R.L., Savelle, J.M., and Whitridge, P. In press. Derivation and application of a meat utility index for phocid seals. *Journal of Archaeological Science*.

#### OUTSIDE CANADA

**Barrett, James.** Department of Archaeology, University of Glasgow, Glasgow, Scotland, G12 8QQ, U.K.

Research Interests:  
 Viking and latter Norse subsistence economy. This is the focus of his PhD at the University of Glasgow.

Publications:  
 Barrett, J. 1992. Farmers and Fisherfolk in Norse Orkney: The Role of Foraging in an Agricultural Economy. Masters Thesis, University of Toronto.

**Burke, Ariane.** Department of Anthropology, New York University, New York, NY, 10003, USA. (Current address: 235 Springfield Rd., Ottawa, Ontario, K1P 6P4.)

Research Interests:  
 Seasonality studies, specifically the application of incremental analysis of dental remains to the study of site seasonality; environmental reconstruction using mammalian remains; the archaeology of hunter-gatherers. Her research has had a Western European focus, but hopes to begin a project on the Blue Fish Caves fauna in 1992.

Publications:  
 Burke, A. In press. Skeletochronologie appliquée a l'étude des saisons de chasse au Pléniglaciaire. In Catelain, P. ed. La Chasse dans la Préhistoire.

**Koch, Chris P.** Senior Lecturer, Department of History, University of Nairobi, P.O. Box 30197, Nairobi, Kenya.

Research Interests:  
 Taphonomy and paleoecology of fossil faunal assemblages in Africa and North America; human skeletal biology. He is currently directing excavations of Holocene human burials in northern Kenya.

**Rahemtulla, Farid.** Department of Anthropology, Rutgers University, New Brunswick, New Jersey, 08903, USA.

Research Interests:  
 Subsistence and lithic technology, procurement patterns, land use. Geographical specialties are Africa and the Northwest Coast of BC.

RESEARCH REPORT/RAPPORT DE RECHERCHE:  
FAUNAL REMAINS FROM THE PRIVY PIT AT WOODSIDE HOUSE,  
THE BOYHOOD HOME (1886-1893) OF WILLIAM LYON MACKENZIE KING

Anne M. Rick  
Zooarchaeologist,  
Canadian Museum of Nature

Canada's tenth prime minister, William Lyon Mackenzie King (1874-1950), spent some of his happiest years at Woodside, a stone house on the outskirts of Kitchener (then called Berlin), Ontario. The family moved there in 1886 when Willie, as he was called, was twelve; he went off to the University of Toronto in 1891 and thereafter only returned to Woodside on holidays. Yet he always remembered fondly the years spent there with his family. The house, built in 1853, fell into disrepair but was eventually restored to the late Victorian period, circa 1891. Woodside is now a National Historic site.

A privy pit downslope from the kitchen wing of the house was excavated by the Canadian Parks Service in the late 1980's. Ceramics found there indicated that it was almost certainly a refuse dump of the King family. Willie's mother, Isabel, was an enthusiastic china painter and many fragments of hand-painted china had been discarded into the pit.

Although the Kings had a barn and other outbuildings on their 14.75 acres of woods and fields, locations of these structures are now largely unknown. There is little information on the family's food habits besides a partial day book (list of purchases) from the Berlin general store in 1892 and 1893 and a few references to livestock in a summary study of the King years at Woodside (Nicolson 1984). Thus interpretation of the pit's faunal remains give us an important window on the life of this prominent and somewhat eccentric family.

A total of 1687 bones (835 mammal, 747 bird, 28 fish and 77 of uncertain class) was recovered, of which 628 (37.2%) have been identified to class or better. The minimum number of individuals (MNI) is 36 (12 mammal, 19 bird and 5 fish). Chicken and cow were first and second, respectively, in terms of both identified specimens and MNI.

Beef, pork, some lamb or mutton, chicken and turkey were the major meats. At one time or another the Kings raised chickens and pigs, kept two milk cows and may have had the occasional calf or lamb. Skeletal element distribution points towards the presence of whole *Bos*, pigs, chickens and turkeys. Some meat was purchased. Ham, turkey, ducks and beef appear in the day books. Many sawn bovine fragments from the rib, short loin and sirloin areas indicate that the family ate the choicest steaks and roasts. Less tender beef cuts are infrequent, an interesting result, since the Kings, despite their middle-class status and Isabel's penchant for entertaining, sometimes endured financial reverses

(Nicholson 1984).

Hare/rabbit and mallard/black duck were probably the only wild mammals and birds eaten. Marine as well as freshwater fish species occur, indicating that some fish were bought. Fish purchases recorded in the day book are salmon, herrings and canned sardines, none of which were found among the faunal remains.

Judging from the bone remains, the Kings' diet was appropriate to their period and social status, and the zooarchaeological evidence dovetails well with documentary sources.

Table 1. Bones Identified from the Privy Pit, by NISP (Number of identified skeletal parts) and MNI (Minimum number of individuals).

	NISP	%NISP	MNI	%MNI
<u>Mammals:</u>				
Hare/Rabbit	2	.3	1	2.8
Rat	5	.8	2	5.6
Pig	69	11.0	3	8.3
Cow	126	20.1	5	13.9
Sheep	3	.5	1	2.8
Sheep/Goat	4	.6	-	-
Nonid.mammal	626			
<u>Birds:</u>				
Mallard/Black duck	2	.3	1	2.8
Duck	7	1.1	2	5.6
Chicken	310	49.4	11	30.5
Domestic Turkey	72	11.5	3	8.3
Chicken/Turkey	8	1.3	-	-
Woodpecker	1	.1	1	2.8
American robin	1	.1	1	2.8
Nonid.Bird	346			
<u>Fish:</u>				
Cisco/Lake Whitefish	2	.3	1	2.8
Haddock	13	2.1	1	2.8
Rock bass	1	.1	1	2.8
Smallmouth/Largemouth				
Bass	1	.1	1	2.8
Walleye	1	.1	1	2.8
Nonident.fish	10			
<u>Class Uncertain</u>	77			
<b>Total</b>	<b>1687</b>	<b>99.8</b>	<b>36</b>	<b>100.2</b>

#### Reference Cited

Nicholson, M.W. 1984. Woodside and the Victorian Family of John King. Studies in Archaeology, Architecture and History. National Historic Parks and Sites Branch, Parks Canada, Environment Canada.

### RECENT PUBLICATIONS/ PUBLICATIONS RECENTES

This will be a regular feature in future issues, but feel it is already well covered in this issue in the Current Research section.

### FORTHCOMING CONFERENCES/ CONFÉRENCES À VENIR

**Canadian Archaeological Conference**  
May 6-10, 1992  
London Centre Radisson Hotel,  
London, Ontario.

**Annual Meeting of the Society of Vertebrate Palaeontology**  
October 24-30, 1992.  
Royal York Hotel, Toronto.

**25th Annual Chacmool Conference**  
November 12-15, 1992  
University of Calgary, Calgary,  
Alberta.  
Theme: Archaeology of Contact:  
Processes and Consequences

### REQUESTS, EXCHANGES, NOTICES/ DEMANDES, ÉCHANGES, AVIS

- Frances Stewart is chairing a session on zooarchaeology at the CAA in London, so all interested should attend.

- Debbie Berg (Ontario listings) has an x-ray machine at Erindale College, University of Toronto. She has offered to x-ray bones for anyone who would like this service, at cost.

- Evelyne Cossette (Quebec listings) is trying to locate the fauna from the Bourassa site in Quebec. It was excavated

in the 1960's by an American team, and whereabouts of the fauna is unknown.

- Diane Hanson (B.C. listings) is interested in finding unpublished faunal reports from Canadian Arctic Archipelago sites, particularly from Victoria Island and the surrounding area.

- Greg Monks (Manitoba listings) thinks an inventory of comparative specimens by repository across Canada would be useful - any comments or suggestions? This is a project which CZ may tackle - any suggestions most appreciated.

- FAUNMAP! For everyone interested in late Quaternary mammal distribution - a Canadian contingent has volunteered to collect verifiable records of all mammals in Canada for the last 40,000 years. This is an extension of the FAUNMAP project, started at the Illinois State Museum, plotting late Quaternary mammal distribution in North America. If anyone is interested in further information, write me (KS) at the Canadian Museum of Nature.

### NEWS, VIEWS/NOUVELLES, POINTS DE VUE

We're interested in any news, personnel changes, new directions, new collections etc. at your institution/place of work. Send in anything of interest! We also would like some humour, cartoons...any artists out there??