Mary Evelyn MALAINEY, Ph.D.

PRESENT POSITION

Associate Professor	Department of Anthropology (Native Studies 2000-2004) Brandon University, Brandon, MB	2000-Present
Tenured and Promoted from Assistant Professor in 2004		
	s from June 2003 – June 2004 e Studies from April 2003 – June 2003	

Adjunct Professor: Department of Anthropology, University of Manitoba, Winnipeg, MB 2000-2007

EDUCATION AND POST-DOCTORAL RESARCH

Post-Doctoral Fellow Project:	Departments of Anthropology and Foods and Nutrition University of Manitoba, Winnipeg, MB Refinement and expansion of the archaeological residue analysis techniques I developed during the course of my doctoral research.	1998-2000
Ph. D . Thesis Title:	Anthropology, University of Manitoba, Winnipeg, MB The Reconstruction and Testing of Subsistence and Settlement Strategies for the Plains, Parkland and Southern Boreal Forest	1993 - 1997
Master of Arts Thesis Title:	Anthropology and Archaeology University of Saskatchewan, Saskatoon, SK Internal and External Relationships of Saskatchewan Plains Pottery Assemblages: Circa A.D. 1300 - Contact	1987-1991
B.A. Honours (First Class)	Anthropology, University of Alberta, Edmonton, AB 1983-1985 Thesis Title: The Application of Instrumental Neutron Activation Analysis to Prehistoric Pottery from the Bushfield West Site, Nipawin, Saskatchewan.	
	Chemistry University of Alberta, Edmonton, AB	Fall 1982
	Chemistry Grande Prairie Regional College, Grande Prairie, AB	1981-1982

TEACHING EXPERIENCE

Departments of Native Studies (2000-2004) and Anthropology (2004-2007), Brandon University

Human Origin 68/12.173	ns - introductory archae Half Course	eology and physical anthropology Fall 2003, Winter 2003, Winter 2002, Winter	er 2001	
Introduction 12/68:193	to Artifact Analysis – b Half Course	asic techniques of artifact and ecofact identifie Fall 2006, Fall 2004, Fall 2003	cation and analysis	
Anthropology 12/68: 272	v of Food – intermediat Half Course	e cultural anthropology course Fall 2006, Fall 2004. Fall 2003		
Archaeology 68.290	of the Americas – prec Half Course	ontact North American and New World civiliz Fall 2002, Fall 2000	zations	
Applied Arch 68:292	Applied Archaeological Laboratory Analysis – practical artifact and ecofact identification and analysis68:292Half CourseFall 2002			
Introduction 68.353	to Archaeological Meth Half Course	nod and Theory Fall 2001		
Pottery Analy 12:359	vsis Half Course	Winter 2005		
The Human Animal – intermediate physical anthropology68.382Half CourseFall 2002				
Zooarchaeology I – practical bone identification and skeleton recovery68.393Half CourseFall 2002, Fall 2000				
Zooarchaeology II – method and theory of interpreting archaeological faunal remains68. 394Half CourseWinter 2005, Winter 2001				
Introduction to Archaeological Science – analytical techniques and uses for archaeological analysis12/68.454Half CourseFall 2005, Winter 2002				
68: 498	Thesis Examining Co	mmittee Member for H. Alston	Winter 2003	
68.498	Thesis Supervisor for J. PerrinWinter 2002"The Effects of Fat Depletion in Large Herbivores on Archaeological Lipid Residues"Winner of the Brandon University Undergraduate Thesis Award, May 2002			
Advanced Topics in Native Studies – experimental archaeology and archaeological residue analysis68: 499Reading CourseFall 2002				

TEACHING EXPERIENCE continued

Other Teaching Experience

Lecturer	Department of Foods and Nutrition, University of Manitoba Cultural and Psychological Influences in Food Patterns Half Course: 30.329	Fall 1999
Lecturer	Department of Anthropology, University of Manitoba Archaeometry - analytical techniques and their use for archaeol Half Course: 76.479 / 76.741	Winter 1999 ogical analyses
Lecturer	Department of Anthropology, University of Manitoba Introductory Archaeology and Physical Anthropology Half Course: 76.121	Summer 1998
Lecturer	Department of Anthropology, University of Manitoba Introductory Archaeology and Physical Anthropology Half Course: 76.121	Fall 1993
Off Campus Sessional Lecturer	Department of Anthropology and Archaeology University of Saskatchewan Introductory Archaeology and Physical Anthropology Half Course: Anthro 112	Winter 1991
Graduate Teaching Fellow	Department of Anthropology and Archaeology University of Saskatchewan Introductory Archaeology and Physical Anthropology Half Course: Anthro 112	Fall 1990
Graduate Teaching Fellow	Department of Anthropology and Archaeology University of Saskatchewan Introductory Archaeology and Physical Anthropology Half Course: Anthro 112	Winter 1990
Off Campus Sessional Lecturer	Department of Anthropology and Archaeology University of Saskatchewan Introductory Archaeology and Physical Anthropology Half Course: Anthro 112	Fall 1989
Teaching Assistant	Department of Anthropology and Archaeology University of Saskatchewan Introductory Anthropology and Archaeology	1988-1989
Teaching Assistant	Department of Anthropology and Archaeology University of Saskatchewan, Medical Anthropology	Winter 1989

INVITED CONTRIBUTIONS TO A BOOK

- Malainey, M.E. (2007) Chapter 7: Fatty Acid Analysis of Archaeological Residues: Procedures and Possibilities. In *Theory and Practice of Archaeological Residue Analysis*, edited by H. Barnard and J. Eerkens. British Archaeological Reports International Series 1650. Oxford, UK.
- Malainey, Mary (1998) Wascana Ware. In Archaeology of Prehistoric Native America: An Encyclopedia, edited by Guy Gibbon, Garland Publishing, Inc., New York.
- Malainey, Mary (1998) Mortlach Aggregate. In *Archaeology of Prehistoric Native America: An Encyclopedia*, edited by Guy Gibbon, Garland Publishing, Inc., New York.

REFEREED PUBLICATIONS

- H. Barnard, S.H. Ambrose, D.E. Beehr, M.D. Forster, R.E. Lanehart, M.E. Malainey, R.E. Parr, M. Rider, C. Solazzo and R.M. Yohe II (2007) Mixed results of seven methods for organic residue analysis applied to one vessel with the residue of a known foodstuff. *Journal of Archaeological Science* 34 (1): 28-37.
- Malainey, Mary E. (2005) The Gros Ventre/Fall Indians in Historical and Archaeological Interpretation. *The Canadian Journal of Native Studies* XXV (1): 155-183.
- Malainey, Mary E. and Malisza, Kris L. (2004) Appendix C: Analysis of Fatty Acid Compositions of Archeological Residues from 41CV595. In *Shifting Sands and Geophytes: Geoarcheological Investigations at Paluxy Sites on Fort Hood, Texas*, by G. Mehalchick, D. K. Boyd, K. W. Kibler and C. W. Ringstaff. Archeological Resource Management Series Research Report No. 48, United States Army Fort Hood.
- Quigg, J.M., M.E. Malainey, R. Przybylski and G. Monks (2001). No Bones About It: Using Lipid Analysis of Burned Rock and Groundstone Residues to Examine Late Archaic Subsistence Practices in South Texas. *Plains Anthropologist* 46 (177): 283-303.
- Malainey, M.E., R. Przybylski and B.L. Sherriff (2001). One Person's Food: How and Why Fish Avoidance May Affect the Settlement and Subsistence Patterns of Hunter-Gatherers. *American Antiquity*, 66 (1): 141-161.
- Malainey, M.E., R. Przybylski and B.L. Sherriff (1999). Identifying the Former Contents of Late Precontact Period Pottery Vessels from Western Canada using Gas Chromatography. *Journal of Archaeological Science* 26(4): 425-438.
- Malainey, M.E., R. Przybylski and B.L. Sherriff (1999). The Fatty Acid Composition of Native Food Plants and Animals of Western Canada. *Journal of Archaeological Science* 26 (1): 83-94.
- Malainey, M.E., R. Przybylski and B.L. Sherriff (1999). The Effects of Thermal and Oxidative Degradation on the Fatty Acid Composition of Food Plants and Animals of Western Canada: Implications for the Analysis of Archaeological Vessel Residues. *Journal of Archaeological Science* 26(1): 95-103.

- Malainey, Mary E. and Barbara L. Sherriff (1996). Adjusting Our Perceptions: Historical and Archaeological Evidence of Winter on the Plains of Western Canada. *Plains Anthropologist* 41(158):333-357.
- Nicholson, B.A. and Mary Malainey (1995). Sub-Ploughzone Testing at the Lowton Site (DiLv-3): The Vickers Focus Type Site in Southwest Manitoba. *Canadian Journal of Archaeology* 19:87-100.

EDITED PUBLICATIONS

- Malainey, M. E. (2006) Appendix F: Analysis of the Fatty Acid Compositions of Archaeological Residues from 41MM341. In *Data Recovery Excavations at the J. B. White Site (41MM341), Milam County, Texas* by E. F. Gadus, R. C. Fields and K. W. Kibler. Reports of Investigations No. 145, Archaeological Studies Program No. 87. Prewitt and Associates, Austin, Texas.
- Malainey, M. E. and K.L. Malisza (2005) Chapter II.5: Analysis of Fatty Acid Compositions of Archaeological Residues at 48SW2590. In *The Maxon Ranch and Nomad Sites: Data Recovery Excavations at Two Sites in Sweetwater County, Wyoming* by K. J. Pool and C. L. Graham.
 Prepared for Questar Pipeline Company, BLM Cultural Resource Use Permit No. 444-WY-AR02 by Metcalf Archaeological Consultants, Inc., Eagle, Colorado.
- Malainey, M. E. and K.L. Malisza (2005) Chapter III.4: Analysis of Fatty Acid Compositions of Burned Rock Residues at 48SW9204. In *The Maxon Ranch and Nomad Sites: Data Recovery Excavations at Two Sites in Sweetwater County, Wyoming* by K. J. Pool and C. L. Graham.
 Prepared for Questar Pipeline Company, BLM Cultural Resource Use Permit No. 444-WY-AR02 by Metcalf Archaeological Consultants, Inc., Eagle, Colorado.
- Malainey, M. E. (2004) Appendix C: Lipid Assays of Burned Rock Samples. In Archeological Data Recovery at the Mine Ridge Ste, AZ FF:10:22 (ASM), Cochise County, Arizona by W. N. Trierweiler and Mindy Bonine, prepared for the U. S. Army Corps of Engineers, Fort Worth District by Ecological Communications, Austin, TX.
- Malainey, M. E. (2004) Appendix VIII: Analysis of the Fatty Acid Compositions of Burned Rock from the Arroyo de la Presa Site (41PS800) Trans-Pecos Texas. In *The Arroyo de la Presa Site: A Stratified Late Prehistoric Campsite Along the Rio Grande, Presidio County, Trans-Pecos Texas*, by W. A. Cloud. Reports in Contract Archaeology 9, Centre for Big Bend Studies, Sul Ross State University, Archeological Studies Program Report 56, Texas Department of Transportation, Environmental Affairs Division.
- Malainey, M. E. (2003) Appendix F: Analysis of the Fatty Acid Compositions of Archaeological Residues from 41MM340. In *Data Recovery Excavations at 41MM430: A Late Archaic Site along Little River in Milam County, Texas*, by R. D. Mahoney, S. Tompka, R. P. Mauldin, H. J. Shafer, L. C. Nordt, R. D. Greaves and R. R. Galdeano. Environmental Affairs Division, TxDOT Archaeological Studies Program Report #54, Center for Archaeological Research, University of Texas at San Antonio, Archaeological Survey Report #340, San Antonio, TX
- Malainey, M. and K. Malisza (2003) Chapter III.7: Analysis of Fatty Acid Compositions of Archaeological Residues at 48CO2672. In *WIC Medicine Bow Lateral Loop Construction in Laramie, Platte, and Converse Counties, Wyoming, and Data Recovery on 48CO2672,*

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- Malainey, M. E. and K.L. Malisza (2002) Chapter 28: Lipid Residues. In Across the Desert Floor: Cultural Resource Investigations along US 54, Otero County, New Mexico, edited by J. A. Railey. TRC Albuquerque, New Mexico Project 33639, NMCRIS 80947.
- Malainey, M. E. and K. L. Malisza (2002) Appendix C: Lipid Residue Analysis. In Archaeological Data Recovery Excavations along Becerra Creek (41WB556), Webb County, Texas, by R. D. Mahoney, R. P. Mauldin and S. Tompka. Environmental Affairs Division, TxDOT Archaeological Studies Program Report #44, Center for Archaeological Research, University of Texas at San Antonio, Archaeological Survey Report #321, San Antonio, TX.
- Malainey, M. E. and K. L. Malisza (2002) Appendix B: Analysis of the Fatty Acid Composition of Archeological Residues. In *Data Recovery at the Armstrong Site (41CW54), Caldwell County Texas, Volume 2 Cultural Interpretations,* by E. A. Schroeder. TAC Permit 2250, PPA Cultural Resource Report 0330, Paul Price Associates, Austin, TX.
- Malainey, Mary E. (2002) Appendix: Lipid Residue Analysis. In *Testing and Data Recovery of Burned Rock Features In Sites on Otero Mesa, New Mexico*, edited by M. Quigg, M. Sechrist and G. Smith. Directorate of Environment, Conservation Division, Fort Bliss, Contract No. DABT51-D-97-043,. TRC Mariah Associates, Inc., El Paso, TX.
- Malainey, M. E. and K. L. Malisza (2002) Appendix: Lipid Residue Analysis. In *The Boiler Site (41WB557): Utilization of an Upland Setting Over the Last 4200 Years, Webb County, Texas*, by J.M. Quigg, S. Pritchard and G. Smith. TAC Permit Nos. 2315 and 2397, TRC Technical Report # 27277. TRC Mariah Associates, Inc., Austin, TX.
- Malainey, Mary E. (2001) Appendix F: Lipid Residue Analysis. In Archeological Investigations along the Williams Waste Water Interceptor, City of Georgetown, Williamson County, Texas, pp. 1-13, edited by E.R. Oksanen and E.A. Schroeder. TAC Permit 1917, PPA Cultural Resource Report 0240, Paul Price Associates, Austin, TX.
- Malainey, Mary E. (2000) Appendix K: Lipid Residue Analysis. In *Data Recovery at 41ZP364: An Upland Campsite at Falcon Reservoir, Zapata County, Texas*, pp. 331-345, by J.M. Quigg and C. Cordova. TRC Technical Report # 22317. TRC Mariah Associates, Inc., Austin, TX.
- Malainey, Mary E. (2000) Appendix D: Lipid Residue Analysis. In *The Lino Site: A Stratified Late Archaic Campsite in a terrace of the San Idelfonzo Creek, Webb County, Southern Texas,* pp. 407-436, by J.M. Quigg, C. Lintz, G. Smith and S. Wilcox. TRC Technical Report # 23756. TRC Mariah Associates, Inc., Austin, TX.
- Malainey, Mary E. (1999) Appendix B: Analysis of Burned Rock Residues from Site 41ZP176, Zapata County, Texas. In: Archaeological monitoring at Upland 41ZP39 and 41ZP176 for TransTexas Gas Well site USA #3, Falcon Reservoir, Zapata County, by J.M. Quigg. TRC Mariah Associates, Technical Report No. 23224. TRC Mariah Associates, Inc., Austin, TX.
- Malainey, Mary E. (1995) The Lozinsky Site: A Late Precontact Bison Processing Camp. In Saskatoon Archaeological Society, Occasional Paper No.1, pp. 73-205, edited by D. Meyer and C.

Ramsey, Saskatoon Archaeological Society, Saskatoon.

- Malainey, Mary E. (1995) Functional Analysis of Precontact Pottery from West-Central Canada. *Manitoba Archaeological Journal*, 5(2):60-86.
- Malainey, Mary (1995) A Comment on "The Hidatsa in Manitoba." *Manitoba Archaeological Journal* 5(1):27-30.
- Nicholson, B.A. and Mary Malainey (1994) Pits, Pots and Pieces of China: Results of the Archaeological Testing of Two Shallow Depressions near Melita, Manitoba. *Manitoba Archaeological Journal* 4(1&2):128-167.
- Nicholson, B.A. and Mary Malainey (1991) Results of the 1991 Field School Excavations at the Lovstrom Site, DjLx-1, Southwestern Manitoba. *Manitoba Archaeological Journal* 1(2):51-93.
- Duke, M.J.M, M. Malainey and T. Gibson (1985) INAA of Pottery from Saskatchewan. University of Alberta SLOWPOKE Facility Annual Report, R18.

PRESENTED PAPERS

Fatty Acid Analysis of Archaeological Vessel, Rock and Feature Soil Residues from Hunter-Gatherer Sites. *Canadian Archaeological Association 40th Annual Meeting*, St. John's, NL, May 2007.

Why Pottery? A Perspective from the Upper Great Lakes With J. M. Skibo. 72nd Annual Meeting of the Society for American Archaeology, Austin, TX, April 2007.

Revisiting the Residues: Using GC/MS to Clarify Characterizations, 2005 Chacmool Conference, Calgary, November 1996.

Where Has the Meat Gone? With Mike Quigg. 63rd Annual Plains Anthropological Conference, Edmonton, AB, October 2005.

Fatty Acid Analysis of Archaeological Residues: Procedures and Possibilities, invited participant in "Theory and Practice of Archaeological Residue Analysis" symposium, 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, Utah, March-April, 2005.

Assessing the Fatty Acid Analysis of Residues Extracted from Thermally-Altered Rock and Groundstone. 62nd Annual Plains Anthropological Conference, Billings, Montana

Assessing the Function of Precontact Aboriginal Pottery from Western Canada. *Canadian* Archaeological Association 37rd Annual Meeting, Winnipeg, AB, May 2004.

The Pots of Their Lives: Examining Form and Function in Precontact Aboriginal Pottery from Western Canada. **Invited Presenter of the 2004 Jessie Caldwell Memorial Lecture**, Saskatoon Archaeological Society, Saskatoon, Saskatchewan, March 2004.

Western Canadian Aboriginal Pottery Function: Southern Saskatchewan Sites. 61st Annual Plains Anthropological Conference, Fayetteville, Arkansas, October 2003.

Western Canadian Aboriginal Pottery I: Vessels from the Parkland and Forests of Saskatchewan and Southeastern Manitoba. *Canadian Archaeological Association 36rd Annual Meeting*, Hamilton, ON, May 2003.

Precontact Pottery Form and Function in Western Canada. 60th Annual Plains Anthropological Conference, Oklahoma City, Oklahoma, October 2002.

Lipid Analysis of Archaeological Residues using Gas Chromatography [Poster]. *Precontact Native Ceramics of the Northeastern Plains and Adjacent Areas*, Winnipeg, MB, February 2002.

Studying the Effect of Fat Depletion of Large Herbivores on Archaeological Residues: A Specialist Thesis In Progress, with Jonathon Perrin. *APALA Conference*, Saskatoon, SK, February 2002.

Archaeological Residue Identification Criteria Validity and the Analysis of Samples from Possible Earth Ovens from Northwest Nebraska. 59th Annual Plains Anthropological Conference, Lincoln, Nebraska, October 31-November 3, 2001.

The Key to Identifying Archaeological Fatty Acid Residues, with K. L. Malisza, R. Przybylski and G. Monks. *Canadian Archaeological Association 34rd Annual Meeting*, Banff, AB, May 2001.

Developing a General Method for Identifying Archaeological Residues on the Basis of Fatty Acid Composition, with R. Przybylski and G. Monks. *Joint Midwest Archaeological and Plains Anthropological Conference*, St. Paul, Minnesota, November 2000.

Refining and Testing the Criteria for Identifying Archaeological Lipid Residues using Gas Chromatography, with R. Przybylski and G. Monks. *Canadian Archaeological Association 33rd Annual Meeting*, Ottawa, Ontario, May 2000.

The Development and Application of a Technique for Identifying Archaeological Residues Using Gas Chromatography. Invited paper presented to the Department of Anthropology, Memorial University of Newfoundland, April, 2000.

When Bison in the Womb are Better than Fish in the Bush. Invited paper presented to the Department of Anthropology, University of Winnipeg, March, 2000.

The Analysis of Archaeological Lipid Residues Using Gas Chromatography. Invited paper presented to the Department of Anthropology, University of Winnipeg, March, 2000.

Identifying Archaeological Lipid Residues using Gas Chromatography, with R. Przybylski and G. Monks. *11th Annual Workshops in Archaeometry*, Archaeometry Research Graduate Group, State University of New York at Buffalo, Buffalo, February 19-20, 2000.

Recent Advances in the Identification of Archaeological Lipid Residues using Gas Chromatography, with R. Przybylski and G. Monks. 57th Annual Plains Anthropological Conference, Sioux Falls, South Dakota, October 1999.

Lipid Analysis of Archaeological Residues using Gas Chromatography [Poster]. 57th Annual Plains Anthropological Conference, Sioux Falls, South Dakota, October 1999.

Interpreting organic residues from pottery and other artifacts from archaeological sites. *Archaeology and the New Methodologies*, **invited speaker** at a symposium sponsored by the Saskatchewan Association of Professional Archaeologists and the Department of Anthropology and Archaeology, University of Saskatchewan, Saskatoon, SK, January 1999.

The Analysis and Identification of Lipid Residues from the Late Precontact Pottery of Western Canada using High Performance Gas Chromatography, with R. Przybylski and B.L. Sherriff. *55th Annual Plains Anthropological Conference*, Boulder, Colorado, November 1997.

The Identification of Residues from Late Precontact Cooking Pots from Western Canada using Gas Chromatography, with R. Przybylski and B.L. Sherriff. *Manitoba Archaeological Society Conference*, Brandon, Manitoba, September 1997.

The Results of Using Cooking Pot Residues To Test Settlement and Subsistence Patterns Hypothesized for Late Precontact Hunter-Gatherers from Western Canada, with R. Przybylski and B.L. Sherriff. *Canadian Archaeological Association 30th Annual Meeting*, Saskatoon, May 1997.

The Analysis of Lipid Residues from the Late Precontact Pottery of Western Canada Using High Performance Gas Chromatography: Procedures and Possibilities, with R. Przybylski and B.L. Sherriff. *Canadian Archaeological Association 30th Annual Meeting*, Saskatoon, May 1997.

Letting Your Stomach Be Your Guide: Late Precontact Settlement and Subsistence Strategies in Western Canada, with B.L. Sherriff, *1996 Chacmool Conference*, Calgary, November 1996.

To Eat or Not to Eat: Precontact Subsistence in Western Canada. *Archaeology Month Public Presentations*, sponsored by the University of Manitoba Department of Anthropology, June 1995.

To Eat or Not to Eat: Fish Avoidance as a Method of Discriminating Plains from Parkland Adaptation, with B.L. Sherriff, *Canadian Archaeological Association 28th Annual Meeting*. Kelowna, May 1995.

Functional Analysis of Precontact Pottery from the Northern Plains, Parkland and Boreal Forest. *Current Archaeology: Interdisciplinary Approaches*, **invited speaker** at a symposium sponsored by the Manitoba Archaeological Society, Winnipeg, MB, September 1994.

A Consideration of Native Dietary Preferences and Implications for Archaeological Models. *Canadian Archaeological Association 27th Annual Meeting*. Edmonton, AB, May 1994.

When Archaeologists Do History. 51st Annual Plains Conference. Saskatoon, SK, October 1993.

The Analysis of Carbonized Residues on Late Precontact Pottery, with B.L. Sherriff. 51st Annual Plains Conference. Saskatoon, SK, October 1993.

Saskatchewan Plains Pottery: Circa A.D. 1300 - Contact. *Third Northeastern Plains Ceramic Symposium*, Brandon, Manitoba, October 1991.

Towards an Understanding of Late Prehistoric Pottery in Saskatchewan. *Archaeological Resource Management: Problems and Issues Today Conference*, Saskatoon, Saskatchewan, January, 1991.

Identification of Activities and Analysis of the Lozinsky Site: A Disturbed Late Prehistoric Bison Processing Camp. *47th Plains Conference*, Sioux Falls, South Dakota. October 1989.

Homeopathy and Its Status in Western Medicine. *Canadian Ethnology Society, Canadian Association for Medical Anthropology and Society of Applied Anthropology in Canada Annual Conference,* Saskatoon, Saskatchewan, May 1988.

RESEARCH GRANTS, SCHOLARSHIPS AND AWARDS

2006	Brandon University Research Committee Grant Exploring the Preservation of Ancient Cooking I from Archaeological Rock	Amount Awarded: \$ 4, 000 Residues Extracted
		Brandon University, Brandon, MB
2005-2010		Canada Research Chair (Tier II) in Archaeological Residue and Functional Analyses Department of Anthropology, Brandon University Total Value: \$ 500, 000
2005		Canada Foundation for Innovation-Canada Research Chair Infrastructure Fund
	Enhancing the identification of archaeological r conformational tools and a mass spectrometer w	
2004-2006	Standard Research Grant Co-applicant, (Award Holder: Dr. Lea Stirling, U Food Offerings, Health, and Society at the Roma Tunisia. Social Science and Humanities Research Council	in Cemetery of Leptiminus (Lamta),
2004	Collaborator [Award Holder: J. A. Blakne Doctoral Dissertation Research: Patterns of Pra Measure of Culture Change. National Science Foundation Award #034	ctice-Foodways as an Archaeological
2003		Canada Foundation for Innovation-New Opportunities Fund

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Malainey CV Page CFI Award: \$103, 435 Total Project (with matching funding): \$ 258, 589 Analysis of archaeological lipid residues using gas chromatography with flame-ionization and mass spectrometry.

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Standard Research Grant Amount Awarded: \$ 50, 000 Establishing the Function of Precontact North American Pottery and Burned Rock Features: A New Perspective from Gas Chromatography. Social Sciences and Humanities Research Council of Canada, Ottawa, ON

> Brandon University Research Committee Grant Amount Awarded: \$ 4,

000

with S. Nicholson. *Cataloguing and archiving of archaeological slides, photographs and negatives to facilitate faculty and student research.* Brandon University, Brandon, MB

2006 Brandon University Research Committee Grant Amount Awarded: \$ 3, 701 Laboratory Renovation: Archaeological Residue Analysis Program. Brandon University, Brandon, MB

2000-2003

2002

- 2001 Brandon University Research Committee Grant Amount Awarded: \$ 3, 701 Laboratory Renovation: Archaeological Residue Analysis Program. Brandon University, Brandon, MB
- 1999-2000 UM-SSHRC Research Grant Amount Awarded: \$ 1, 880 Archaeological Lipid Residue Analysis Project - Gas Chromatograph Column Replacement. University of Manitoba, Winnipeg, MB.
- 1998-2000Post-Doctoral FellowshipAmount Awarded: \$ 61, 000Social Sciences and Humanities Research Council of Canada, Ottawa, ON.
- 1994-1997Doctoral FellowshipAmount Awarded: \$ 43, 200Social Sciences and Humanities Research Council of Canada, Ottawa, ON.
- 1996C. Thomas Shay Scholarship
University of Manitoba Anthropology Department, Winnipeg, MBAmount Awarded: \$ 3, 000
- 1996Faculty of Arts Conference Travel Award
University of Manitoba, Winnipeg, MBAmount Awarded: \$ 312

1994-1995Provincial Heritage GrantAmount Awarded: \$ 3, 516

	Manitoba Culture, Heritage and Citizenship, Winnip	beg, MB.
1993- 1994	University of Manitoba Graduate Fellowship	Amount Awarded: \$ 10,000
1993	Faculty of Arts Conference Travel Award University of Manitoba, Winnipeg, MB	Amount Awarded: \$ 375
1990	Research Assistance Grant Saskatchewan Archaeological Society, Saskatoon, S	Amount Awarded: \$ 1,000
1989	Hantelman Humanities Scholarship College of Graduate Studies and Research, Universi	Amount Awarded: \$ 1,000
1989	Elmer Shaw Bursary College of Graduate Studies and Research, Universi	Amount Awarded: \$ 300 ty of Saskatchewan
1989	Research Assistance Grant Saskatchewan Archaeological Society, Saskatoon, S	Amount Awarded: \$ 1, 000 SK
1987 - 1989	University of Saskatchewan Graduate Scholarship	Amount Awarded: \$ 19, 000
1988	Provincial Heritage Research Study Grant Saskatchewan Parks, Recreation and Culture	Amount Awarded: \$ 1, 850

TECHNICAL PAPERS

- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Burned Rock Residues and Decomposed Experimental Cooking Residues. Report prepared for Centre for Archaeological Research, The University of Texas at San Antonio, San Antonio, TX.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Residues from Leptiminus, Modern town of Lamta, Tunisia. Report prepared for Lea Stirling, Department of Classics, University of Manitoba, Winnipeg, MB.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from the Main Ridge site. Report prepared for Karen Harry, Anthropology and Ethnic Studies, University of Nevada, Las Vegas, Las Vegas, NV.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Burned Rock Residues from the Granberg site, 41BX17. Report prepared for Centre for Archaeological Research, The University of Texas at San Antonio, San Antonio, TX.
- Malainey M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Fire-cracked Rock Residues from Sites 48CR1229 and 48AB18. Report prepared for SWCA Environmental Consultants, Broomfield, Colorado.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Burned Rock Residues from Site 41YN452. Report prepared for TRC Environmental, Austin, Texas.

Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Burned Rock and Tool Residues from Site 41TV2161. Report prepared for TRC Environmental, Austin, Texas.

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Malainey CV Page

- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Burned Caliche and Tool Residues from Sites on the Fort Bliss Military Reservation, Texas. Report prepared for TRC Environmental, El Paso, TX.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from 41ZV202. Report prepared for Centre for Archaeological Research, The University of Texas at San Antonio, San Antonio, TX.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from U.S. 60 Superior to Florence Junction Project Sites. Report prepared for Statistical Research Inc., Tucson, AZ.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Pottery and Fire-Cracked Rock Residues. Report prepared for J. Skibo, Department of Sociology and Anthropology, Illinois State University, Normal, IL.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from Stone Rainbow 16-30 Well Pad (48SU5459). Report prepared for Metcalf Archaeological Consultants, Inc., Eagle, Colorado.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from Site 20IS244, Iosco County, Michigan. Report prepared for The Mannik and Smith Group, Maumee, OH.
- Malainey, M. E. (2007) Analysis of the Fatty Acid Compositions of Residues from Archaeological Cave Features and Natural Cave Deposits and Experimental Residues. Report prepared for Lara Homsey, Department of Geosciences, Murray State University, Murray, KY.
- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from 5MR725, Morgan County, Colorado. Report prepared for Metcalf Archaeological Consultants, Inc., Eagle, CO.
- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of an Archaeological Rock Residues from 48CR8162, Carbon County, Wyoming. Report prepared for Metcalf Archaeological Consultants, Inc., Eagle, CO.
- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of Late Woodland Pottery Residues from Nelson River sites in Northern Manitoba. Report prepared for Kevin Brownlee, Curator of Archaeology, The Manitoba Museum, Winnipeg, MB.
- Malainey, M. E. (2006) Fatty Acid Residue Analysis of a Ground Stone Tool from Site LA 119407. Report prepared for SWCA Albuquerque, Albuquerque, NM.
- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from Site 41AU38. Report prepared for Larkin Hood, Department of Anthropology, University of Washington, Seattle, WA.

- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from Peter Pond Lake, Northern Saskatchewan. Report prepared for Patrick Young, Department of Archaeology, University of Saskatchewan, Saskatoon, SK.
- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Burned Rock Residues from Site 41TR170, Tarrant County. Report prepared for Geo-Marine, Inc., Plano, TX.
- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Rock/Caliche, Pottery and Tool Residues from Sites on Fort Bliss Military Reservation, Texas. Report prepared for TRC Environmental, El Paso, TX.
- Malainey, M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from Sites 41AU38, 41GV66 and 41LB4. Report prepared for Larkin Hood, Department of Anthropology, University of Washington, Seattle, Washington.
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- Malainey M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Earthoven Rock Residues from Site 48FR5305, Wind River Basin. Report prepared for Centennial Archaeology, Inc., Fort Collins, CO.
- Malainey M. E. (2006) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from Site 5DA1957, Douglas County, Colorado. Report prepared for Centennial Archaeology, Inc., Fort Collins, Colorado.
- Malainey M. E. (2005) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from the Gatlin Site, 41KR621, Kerrville, Texas. Report prepared for SWCA Environmental Consultants, Austin, TX.
- Malainey M. E. (2005) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from 1RU61. Report prepared for J.A. Blakney-Bailey, University of Florida, Gainesville, FL.
- Malainey M. E. (2005) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from Feature 36-8, Site 41WM1012. Report prepared for PBS&J, Austin, TX.
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- Malainey, M.E. (2004) Analysis of the Fatty Acid Compositions of Archaeological Residues Extracted from Burned Rock and Burned Clay. Report prepared for Blanton and Associates, Austin, Texas.
- Malainey, M. E. (2004) Analysis of the Fatty Acid Compositions of Archaeological Residues Extracted from Rock from 41EP2863. Report prepared for Geo-Marine Incorporated, El Paso, Texas.

Malainey, M. E. (2004) Analysis of the Fatty Acid Compositions of Archaeological Rock and

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- Malainey, M. E. (2004) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from TRC Mariah Project No. 38686, Part 2. Report prepared for TRC Mariah, Laramie, Wyoming.
- Malainey, M. E. and K.L. Malisza (2004) Analysis of the Fatty Acid Compositions of Archaeological Pottery and Rock Residues from the Varga site, 41ED28. Report prepared for TRC Environmental, Austin, Texas.
- Malainey, M. E. (2004) Analysis of the Fatty Acid Compositions of Archaeological Residues Extracted from Aboriginal Pottery from Waterton Lakes National Park. Report prepared for Parks Canada Agency, Calgary, Alberta.
- Malainey, M. E. (2004) Analysis of the Fatty Acid Composition of the Residue Extracted from a Fire-Cracked Rock from AZ U:10:002 For the AT&T NexGen/Core Project. Report prepared for Western Cultural Resource Management, Inc. Farmington, New Mexico.
- Malainey, M. E. (2004) Analysis of the Fatty Acid Compositions of Archaeological Residues Extracted from Aboriginal Pottery from Elk Island National Park. Report prepared for Parks Canada Agency, Elk Island National Park, Alberta.
- Malainey, M. E. (2004) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from TRC Mariah Project No. 38686 Report prepared for TRC Mariah, Laramie, Wyoming.
- Malainey, M. E. (2004) Analysis of the Fatty Acid Compositions of Residues Extracted from Soil. Report prepared for Nebraska State Historical Society, Lincoln, Nebraska
- Malainey, M. E. (2003) Analysis of the Fatty Acid Compositions of Archaeological and Experimental Residues from Soapstone Bowls. Report prepared for R. Adams, Office of the Wyoming State Archaeologist, Department of Anthropology, University of Wyoming, Laramie, Wyoming.
- Malainey, M. E. (2003) Analysis of the Fatty Acid Compositions of Burned Rock Residues from Arroyo de la Presa (41PS800), Texas. Report prepared for Center for Big Bend Studies, Sul Ross State University, Alpine, Texas.
- Malainey, M. E. (2003) Analysis of the Fatty Acid Compositions of Residues from Bedrock Mortar # 2, Site # 3, Texas. Report prepared for D. Potter, Texas Historical Commission, Austin, Texas.
- Malainey, M. E. and K.L. Malisza (2003) Analysis of the Fatty Acid Compositions of Burned Rock Residues from the Sarah Gulch site (5DA1564), Colorado. Report prepared for Metcalf Archaeological Consultants, Inc., Eagle, Colorado.
- Malainey, M. E. and K.L. Malisza (2003) Analysis of the Fatty Acid Compositions of Archaeological Residues from Site 32ML903, near Washburn, North Dakota. Report prepared for Metcalf Archaeological Consultants, Inc., Bismarck, North Dakota.
- Malainey, M. E. and K.L. Malisza (2003) Analysis of the Fatty Acid Compositions of Residues Extracted from Rock from Sites LA 134275, LA 45863 and LA 134277. Report prepared for Mesa Field

Services, Carlsbad, New Mexico.

- Malainey, M. E. and K.L. Malisza (2003) Analysis of the Fatty Acid Compositions of Archaeological Residues from Site LA 84982, Eddy County, New Mexico. Report prepared for Mesa Field Services, Carlsbad, New Mexico.
- Malainey, M. E. and K.L. Malisza (2003) Analysis of the Fatty Acid Composition of A Residue Extracted from Rock, Eddy County, New Mexico. Report prepared for Mesa Field Services, Carlsbad, New Mexico.
- Malainey, M. E. (2003) Analysis of the Fatty Acid Compositions of Archaeological Samples from 41EP3201, 41EP3096 and 41EP3211, Fort Bliss Military Reservation, Fort Bliss, Texas. Report prepared for TRC Customer-Focused Solutions, El Paso, Texas.
- Malainey, M. E. and K.L. Malisza (2003) Analysis of the Fatty Acid Compositions of Residues Extracted from Ground Stone Implements, Site 5DA1008, Douglas County, Colorado. Report prepared for Centennial Archaeology, Inc., Fort Collins, Colorado.
- Malainey, M. E. and K.L. Malisza (2003) Analysis of the Fatty Acid Compositions of Archaeological Burned Rock Samples from 41CV413, Central Texas. Report prepared for TRC Mariah Associates, Austin, Texas.
- Malainey, M.E. (2003) Analysis of the Fatty Acid Compositions of Archaeological Rock Residues from Site 5EP211. Report prepared for Centennial Archaeology, Inc., Fort Collins, Colorado.
- Malainey, M. E. (2003) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from Site 25VY1, Nebraska. Report prepared for Nebraska State Historical Society, Lincoln, Nebraska.
- Malainey, M. E. (2003) Analysis of the Fatty Acid Compositions of Archaeological Residues from Washed and Unwashed Samples from Site 41MM341, Little River Project. Report prepared for Centre of Archaeological Research, University of Texas at San Antonio, San Antonio, Texas.
- Malainey, M. E. (2003) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from Site 41TT13 (Alex Justiss), Titus County, East Texas. Report prepared for PBS&J, Austin, Texas.
- Malainey, Mary E. (2002) Analysis of the Fatty Acid Compositions of Archaeological Pottery Residues from the Duncan (34WA2) and Little Deer (34CU10) sites. Report prepared for F. Suffridge, Broken Arrow, Oklahoma.
- Malainey, M. E. (2002) Analysis of the Fatty Acid Compositions of Archaeological Samples from Sites in the Hueco Bolson, Fort Bliss Military Reservation. Report prepared for TRC Customer-Focused Solutions, El Paso, Texas.
- Malainey, Mary E. (2002) Analysis of the Fatty Acid Compositions of Archaeological Residues from 41BL116 and Experimental Cooking Residues of *Rabdotus* species snail. Report prepared for Andrew F. Malof, Austin, Texas.

Malainey CV Page Malainey, M. E. and K.L. Malisza (2002) Analysis of the Fatty Acid Compositions of Archaeological Residues from AZ FF:10:22 (ASM), Southeastern Arizona. Report prepared for Ecological Communications Corporation, Austin, Texas. 17

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- Malainey, M. E. and K.L. Malisza (2002) Analysis of the Fatty Acid Compositions of Archaeological Residues from Medicine Bow Lateral Loop Pipeline Project Sites 48PL1225, 48PL1270, 48PL1286, 48PL1287 and 48CO2672. Report prepared for Metcalf Archaeological Consultants, Inc., Eagle, Colorado.
- Malainey, Mary E. (2001) Analysis of the Fatty Acid Composition of Archaeological Residues from 41BT37. Report prepared for Lower Colorado River Authority, Texas.
- Malainey, M.E. and K.L. Malisza (2001) Analysis of the Fatty Acid Composition of Fire-Cracked Rock Residues from Eastern Wyoming, Sites 48CO2672, 48PL1221, 48PL1225 and 48SU1753. Report prepared for Metcalf Archaeological Consultants, Eagle, Colorado.
- Malainey, Mary E. (2000) Analysis of the Fatty Acid Composition of the Black Goo on a Swan River Chert fragment from the Hugo Dosch site (EgOl-1). Report prepared for A. Beaudoin and B. Dawe, Provincial Museum of Alberta, Edmonton, Alberta.
- Malainey, Mary E. (2000) Analysis of the Fatty Acid Composition of a Vessel Residue from GlMw-6. Report prepared for M. Hanna, Royal Saskatchewan Museum, Regina, Saskatchewan.
- Malainey, Mary (1999) Analysis of the Fatty Acid Composition of a Bird Lake vessel residue from the Margaret Lake 2B site (EaKw-30), Southeastern Manitoba. Report prepared for D. Deck, Department of Anthropology, University of Winnipeg, Winnipeg, Manitoba.
- Malainey, Mary (1998) Analysis of the Fatty Acid Composition of Burned Rock Residues from Site 41ZP364, Zapata County, Texas. Report prepared for TRC Mariah Associates, Austin, Texas.
- Malainey, Mary (1993) Martin Site (EaMa-6) Pottery Analysis, On file, Manitoba Museum of Man and Nature, Winnipeg, Manitoba.
- Malainey, Mary (1992) SaskPower's Brada to Meadow Lake 230 kV Transmission Line Heritage Resource Impact Assessment: Saskatchewan Heritage Resources Investigation Permit 91-40. On File, Heritage Branch, Saskatchewan Family Foundation, Regina.
- Malainey, Mary and Marvin Thomas (1992) SaskPower's Brada to Lloydminster 230 kV Transmission
 Line Heritage Resource Impact Assessment: Saskatchewan Heritage Resource Investigation Permit
 91-71. On File, Heritage Branch, Saskatchewan Family Foundation, Regina.
- Malainey, Mary E. and Marvin Thomas (1992) SaskPower's Shand to Peebles 230 kV Transmission Line Heritage Resource Impact Assessment: Saskatchewan Heritage Resources Investigation Permit 91-73. On File, Heritage Branch, Saskatchewan Family Foundation, Regina.

Malainey CV Page Malainey, Mary and Patricia Froese (In Prep) SaskPower's Heritage Resource Impact Mitigation of DjMr-2: Saskatchewan Heritage Resource Investigation Permit 91-82. Cottonwood Heritage Services, Regina, Saskatchewan.

Malainey, Mary and Marvin Thomas (In Prep) SaskPower's Rural Underground Distribution Project Heritage Resource Impact Assessment: Saskatchewan Heritage Resource Investigation Permit 91-18. Cottonwood Heritage Services, Regina, Saskatchewan.

WORK EXPERIENCE

Consultant	Archaeological Residue Analyst Professional contract basis	1998-present
Research Assistant	Department of Anthropology University of Manitoba, Winnipeg, MB Faunal reference collection preparation and management.	1993
Pottery Analyst	Manitoba Museum of Man and Nature, Winnipeg, MB Analysis of precontact pottery from the Martin Site (EaMa-	1992-1993 5)
Research Assistant	Dr. B.A. Nicholson, Department of Native Studies Brandon University, Brandon, MB Field work and report preparation for precontact and early h	1992 istoric sites.
Archaeologist	Cottonwood Heritage Services, Regina, Saskatchewan Impact assessment and mitigation for SaskPower and Transo projects with progressively more responsible positions startin summer field assistant to full-time project archaeologist.	
Archaeologist	University of Saskatchewan, Saskatoon, SK Excavation and analysis of the Lozinsky site (FdNm-51).	1987
Children's Festival Coordinator and Researcher	City of Grande Prairie and Grande Prairie and District Multicultural Association, Grande Prairie, AB Preparation of a feasibility study and needs assessment for a proposed cultural centre and coordination of a children's fest	1987 tival.
Overseas Volunteer	Canadian Crossroads International Development-oriented cultural exchange program at a training and research institute in India for four months.	1986 ng
Research Assistant	Income Security Program Alberta Social Services, Edmonton, AB Research, analysis and assessment of provincial welfare polic	1986 cies.
Archaeological Technician	Provincial Museum of Alberta, Edmonton, AB Cataloguing North American precontact artifacts, analysis of historic artifacts and collections management.	1986 f

Archaeological Field Assistant	Saskatchewan Research Council, Saskatoon, SK Mitigation of precontact and historic sites in east-central and southeast Saskatchewan	1985
Laboratory and Field Assistant	Terry Gibson, Department of Anthropology University of Alberta, Edmonton, AB Excavation, processing and cataloguing of artifacts.	1984-1985

PROFESSIONAL ASSOCIATIONS

- Canadian Archaeological Association
- Plains Anthropological Society
- Society for American Archaeology

SERVICE

To the Discipline

- Peer Reviewer of Research Paper, Plains Anthropologist, December 2005.
- Peer Reviewer of Research Paper, Journal of Anthropological Archaeology, 2005.
- Session Co-Chair, "Tools for Reading the Past: From High-Tech to People" Session, Chacmool Conference in Calgary, Alberta, November 2005.
- Pottery Reconstruction and Functional Analysis Display, Public Archaeology Program, 2005 Plains Anthropological Conference, West Edmonton Mall, October 2005
- Program Chair, Canadian Archaeological Association 37th Annual Meeting, Winnipeg, May 2004
- Reviewer of Research Fellowship Application, Wellcome Trust, United Kingdom, March 2004.
- Session Chair, "Archaeology of the Central and Northern Plains," 61st Plains Conference in Fayetteville, Arkansas, October 2003.
- Peer Reviewer of Research Paper, Journal of Archaeological Science, July 2003.
- Peer Reviewer of Research Paper, American Antiquity, June 2003.
- Peer Reviewer of Grant, Social Science and Humanities Research Committee, December 2002.
- Peer Reviewer of Research Paper, American Antiquity, July 2002.
- Peer Reviewer of Grant, Natural Environment Research Council, UK, March 2002

To the Faculty Association

• Brandon University Faculty Association:

Treasurer (April 2001 – April 2007) Assistant Treasurer (October 2000 – April 2001)

To the University

- Master of Arts in Prairie Studies Advisory Committee, Brandon University, 2006 Present
- Collaboration with Brandon University Chemist, Mark Berry, for the gas chromatography with mass spectrometry analysis of amine derivatives for an undergraduate honours thesis project
- Chair, Native Studies, Brandon University, June 2003 June 2004 Acting Chair, April 2003 – June 2003
- Status of Women Review Committee: BUFA representative, January 2003 April 2007 Arts Representative, September 2002 - March 2003
- Arts Faculty Council Advisory Committee for the Senate Research Award: 2003-2004; 2002-2003
- Non-Departmental Promotion Committee, Faculty of Arts, October 2003.
- Career Symposium, Faculty of Arts Representative: March 2003 and 2002
- Public Presentation: *Food [Residue] for Thought: The Analysis and Identification of Archaeological Cooking Scum.* Brandon University Liberal Arts Speakers Series, March 2002.
- Brandon University Research Committee Appeal Committee President's Appointee: 2002
- Brandon University Open House: October 2001 and March 2004
- BU Fine Arts and Archaeology Open House: March 2003, 2002 and 2001