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**PRESIDENT'S REPORT**

**Christine White**

The 26th annual meeting of the Canadian Association for Physical Anthropology was held at the University of Calgary, November 4-7, 1998. I extend my thanks to the organizers, Mary Pavelka and Rebecca Feasby, all of the volunteers, and the multitude of sponsors that the organizers worked so hard on to secure.

All of our sessions (five podium and one "wine and cheese" poster) were well-attended and engaging. These included symposia in "Diet and Nutrition in Past and Present Populations" (chaired by Tosha Dupras and Tracy Prowse), "Dust, Drought, Disease and Death in Ancient Mesopotamia" (chaired by Nancy Lovell), "Primateology" (chaired by Pascale Sicotte), "Physical Anthropology and Archaeology" (chaired by Mary McDonald Pavelka), and "Medical Anthropology and Human Osteology" (chaired by Anne Katzenberg).

Choosing the student awards becomes more and more challenging each year. This year there were twenty-two competitors who kept our judges busy. The Oschinsky-McKern Award was won by Sharon Bruce, University of Manitoba, for her paper entitled "Diabetes among Western Canadian Aboriginal Populations" and the Davidson Black Award was presented to Ann O'Neill, University of Alberta, for her poster entitled "Insights into Ovarian Function in Japanese Macaques Through Analysis of Fecal Steroids". An honourable mention went to Brad McVittie, University of Calgary, for his paper entitled "Nesting Behaviour in Chimpanzees from the Budongo Forest, Uganda". Congratulations to our young colleagues for such fine work!

And after we were wine and dined, we were pleased and honoured to welcome Bernard Chapais, Université de Montréal, who told us about "Nepotism and Kin Discrimination in Primates: Back to Basics" and behind the scenes, brought us up to date with the state of primatology in Quebec.

Members are referred to the Secretary-Treasurer's Report for full information on business conducted. I would also like to note as a follow-up from the business meeting, that revisions to our guidelines for student papers and judging are also found in this issue. In response to the increasing numbers of student papers, the judges' panels from 1997 and 1998 have expanded the guidelines to help students prepare their presentations, and negotiated an expanded evaluation system which now includes the abstract, the study and the presentation.

I will also be attending the annual business meeting of the American Association of Physical Anthropologists in Columbus next month (as usual), and will report back on the status of their lobby to keep down the rising costs of the American Journal of Physical Anthropology.

I am pleased to see that our membership is still growing and that many of our newest colleagues are getting jobs both in Canada and the US. This year there were more tenure stream jobs in Canada than there have been for several years now. Let's hope the trend continues and lobby to see that any positions lost are also replaced.

**ANNUAL MEETING ISSUE**

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## PROGRAM

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*Papers considered in the competition for the Oschinsky-McKern and Davidson Black Student Paper Prizes are indicated by \*.*

### THURSDAY NOVEMBER 5

#### Session 1

##### **Diet and Nutrition in Past and Present Populations**

**Chairs: Tosha Dupras and Tracy Prowse, McMaster University**

*Malnutrition among northern peoples of Canada in the 1940s.* D. Ann Herring<sup>1</sup>, Sylvia Abonyi<sup>1</sup>, and Robert D. Hoppa<sup>2</sup> (<sup>1</sup> McMaster University, Hamilton, ON; <sup>2</sup> Max Planck Institute for Demographic Research, Rostock, Germany)

*Variations in dental disease among pre-contact Ontario Iroquoians.* Catherine M. Crinnion\* (McMaster University, Hamilton, ON)

*Isotopic evidence of ritual animal use among the Maya.* Christine D. White<sup>1</sup>, Mary Pohl<sup>2</sup>, Henry Schwarcz<sup>3</sup>, and Fred Longstaffe<sup>1</sup> (<sup>1</sup>University of Western Ontario, London, ON; <sup>2</sup>Florida State University; <sup>3</sup>McMaster University, Hamilton, ON)

*Nutritional anaemias: Can we demonstrate a multiple nutrient hypothesis?* Tanya von Hunnius\* (Memorial University of Newfoundland, St. John's, NF)

*Exploring the link between diet and body size in Holocene hunter-gatherers.* Susan Pfeiffer<sup>1</sup> and Judy Sealy<sup>2</sup> (<sup>1</sup>University of Guelph, Guelph, ON; <sup>2</sup>University of Cape Town, South Africa).

*Diet, lifestyle, and diabetes among the James Bay Cree: Rethinking the thrifty gene hypothesis.* Sylvia Abonyi\* (McMaster University, Hamilton, ON)

*Nitrogen isotope variation with pathological responses in human bone.* M. Anne Katzenberg<sup>1</sup> and Nancy C. Lovell<sup>2</sup> (<sup>1</sup>University of Calgary, Calgary, AB; <sup>2</sup>University of Alberta, Edmonton, AB).

#### Session 2

##### **Dust, Drought, Disease, & Death in Ancient Mesopotamia.**

**Chair: Dr. Nancy C. Lovell, University of Alberta**

*Dust, drought, disease, and death in Ancient Mesopotamia.* Nancy C. Lovell (University of Alberta, Edmonton, AB).

*Odontometry of Bronze Age Tell Leilan, Syria.* Scott D. Haddow\* (University of Alberta, Edmonton, AB)

*Stable isotope evidence for dietary patterns and environmental conditions at Tell Leilan.* Rebecca Feasby<sup>1</sup>, M. Anne Katzenberg<sup>2</sup>, and Nancy C. Lovell<sup>1</sup> (<sup>1</sup>University of Alberta, Edmonton, AB; <sup>2</sup>University of Calgary, Calgary, AB).

*Phytolith analysis of human dental calculus from Tell Leilan: Reconstruction of diet and environment.* Sarah C. Walshaw\* (University of Alberta, Edmonton, AB)

*The health impact of abrupt climate change at Tell Leilan: A multi-level analysis of developmental enamel defects.* Leslie Dawson (University of Alberta, Edmonton, AB).

*Dental disease at Tell Leilan.* John Butt (University of Alberta, Edmonton, AB).

*Skeletal evidence for health and disease at Bronze Age Tell Leilan, Syria.* Hugh McKenzie\* (University of Alberta, Edmonton, AB)

### **Poster Session**

**Hosted by Cambridge University Press**

**Organizer: Rebecca Feasby, University of Calgary**

*Skeletal evidence for biological affinities between the Andronovo and Tagar cultures: A preliminary study.* Aaron Dublenko\* (University of Alberta, Edmonton, AB)

*Differential not definitive: Three differential diagnoses of crania from Algar do Bom Santo, Portugal.* Shauna McGarvey\* (University of Alberta, Edmonton, AB)

*Insights into ovarian function in Japanese macaques through analysis of fecal steroids.* Ann O'Neill\* (University of Alberta, Edmonton, AB)

*Investigating male orangutan home ranges in Gunung Palung National Park, Indonesia.* Sera Parsons-Blair\* (University of Calgary, Calgary, AB)

*The ecology and behaviour of vervet monkeys in a human modified environment in Uganda.* Tania Saj\* (University of Calgary, Calgary, AB)

*The juvenile skeletal sample of the Imperial Roman site of Portus Romae, Italy.* S.R. Saunders<sup>1</sup>, R.D. Hoppa<sup>2</sup>, A. Sperduti<sup>3</sup>, L. Bondioli<sup>3</sup>, and R. Macchiarelli<sup>3</sup> (<sup>1</sup>McMaster University, Hamilton, ON; <sup>2</sup>Max Planck Institute for Demographic Research, Rostock, Germany; <sup>3</sup>L. Pigorini Museum of Prehistory and Ethnography, Rome, Italy)

## **FRIDAY NOVEMBER 6**

### **Session 3**

#### **Primatology**

**Chair: Dr. Pascale Sicotte, University of Calgary**

*Bark, gum, nuts, and pith.* J.D. Paterson (University of Calgary, Calgary, AB)

*Conservation concerns and the future of lemur populations in Northern Madagascar's unprotected forests.* Ian Colquhoun<sup>1</sup> and Ben Z. Freed<sup>2</sup> (<sup>1</sup>University of Western Ontario, London, ON; <sup>2</sup>Emory University, Atlanta, GA)

*Utilizing non-human primates for ecotourism practices: The case of the Barbados Green Monkey.* Kimberley Anne Snarr\* (University of Toronto, Toronto, ON)

*Nesting behaviour in chimpanzees (*Pan troglodytes schweinfurthii*) from the Budongo Forest, Uganda.* Brad McVittie\* (University of Calgary, Calgary, AB)

*The ontogenetic development and inter-population variability of pant-hoot vocalizations in wild chimpanzees.* Hugh G.W. Notman\* (University of Calgary, Calgary, AB)

*Function of female appeasement reaction to male display in mountain gorillas.* P. Sicotte (University of Calgary, Calgary, AB)

*How reproductive seasonality and dominance rank affect scent-marking behaviour in adult male ringtailed lemurs (*Lemur catta*).* Lisa Gould (University of Victoria, Victoria, BC)

*Reproductive termination in female Japanese monkeys: A comparative life history perspective.* Mary S. McDonald Pavelka<sup>1</sup> and Linda Marie Fedigan<sup>2</sup> (<sup>1</sup>University of Calgary, Calgary, AB; <sup>2</sup>University of Alberta, Edmonton, AB)

*Criteria for assessing the success of internationalizing primatology.* Pamela Asquith (University of Alberta, Edmonton, AB)

#### **Session 4**

##### **Physical Anthropology and Archaeology**

**Chair: Dr. Mary S. McDonald Pavelka, University of Calgary**

*Technological change and the beginnings of modern human behaviour.* Pamela R. Willoughby (University of Alberta, Edmonton, AB)

*Archaeological evidence of modern human behaviour in southwestern Tanzania.* Charmaine Sipe\* (University of Alberta, Edmonton, AB)

*A comparison of osteon size between Later Stone Age Khoisan and recent humans.* Michael D. Brown\* (University of Guelph, Guelph, ON)

*Allen's Rule and the Inuit hand.* Richard Lazenby and Amanda Smashnuk (University of Northern British Columbia, Prince George, BC)

*Poverty and its definition at the local level in NingMing County, GuangXi Zhuang Autonomous Region PRC.* Steven Harrison\* (University of Toronto, Toronto, ON)

*Avoiding kin: A study of marriage patterns among Roman Catholics in an early Canadian community, Belleville, Ontario.* J. Johnson and L.A. Sawchuk (University of Toronto at Scarborough, Scarborough, ON)

*The biology of poverty: a biocultural examination of affective disorders in the communities of Moosonee and Moose Factory, Ontario.* John Dale Purcell\* (University of Toronto, Toronto, ON)

*Davidson Black: His scientific contributions to Chinese prehistory.* Julie L. Cormack<sup>1</sup> and Marilyn Laframboise<sup>2</sup> (<sup>1</sup>University of Alberta, Edmonton, AB; <sup>2</sup>Royal Tyrrell Museum of Palaeontology, Drumheller, AB)

#### **SATURDAY NOVEMBER 7**

##### **Session 5**

##### **Medical Anthropology and Human Osteology**

**Chair: Dr. M. Anne Katzenberg, University of Calgary**

*Survey of trauma at Fort William Henry: The commingled skeletons.* Janet Gardner and Maria Liston (University of Waterloo, Waterloo, ON)

*Interpretation of cremated human remains: Artefact or fiction?* D.C. Merrett\* (University of Guelph, Guelph, ON)

*Large-scale assessment of tooth crown formation times using dental histological techniques.*

C. FitzGerald<sup>1</sup>, S.R. Saunders<sup>1</sup>, R. Macchiarelli<sup>2</sup>, and L. Bondioli<sup>2</sup> (<sup>1</sup>McMaster University, Hamilton, ON; <sup>2</sup>L. Pigorini Museum of Prehistory and Ethnography, Rome, Italy)

*Diabetes among Western Canadian aboriginal populations.* Sharon Gail Bruce\* (University of Manitoba, Winnipeg, MB)

*Secular trends in stature, mass, and body mass index for Canadian children: A preliminary paper.* Todd Garlie\* (McMaster University, Hamilton, ON)

*The brain: The unknown organ.* Hermann Helmut (Trent University, Peterborough, ON)

*PCR failure in ancient DNA studies.* Dongya Y. Yang<sup>1</sup>, S.R. Saunders<sup>2</sup>, Barry Eng<sup>1</sup>, and John S. Wayne<sup>1</sup> (<sup>1</sup>Department of Pathology and Molecular Medicine, McMaster University, Hamilton, ON; <sup>2</sup>Department of Anthropology, McMaster University, Hamilton, ON)

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### **ABSTRACTS (alphabetical order by first author)**

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Sylvia Abonyi , Diet, lifestyle, and diabetes among the James Bay Cree: Rethinking the thrifty gene hypothesis. (McMaster University)

Since the end of the Second World War, there have been rapid transformations in health in Canadian Aboriginal communities. Chronic lifestyle diseases such as diabetes, heart disease, and cancer have replaced infectious diseases as the leading causes of death. Non-insulin dependent diabetes (NIDDM) has become a serious problem for people living along the West Coast of James Bay. The prevalence among the Cree living in Moose Factory is conservatively estimated at 17% - three times the Canadian national rate. Proponents of the Thrifty Gene Hypothesis suggest that Aboriginal people are genetically adapted to a "feast and famine" lifestyle and that dramatic increases in NIDDM in communities like Moose Factory can be explained by the recent transition to a permanent "feast" lifestyle. Analysis of the dietary records kept by dietitians at Weeneebayko General Hospital, combined with Elder interviews, suggest that both diet and lifestyle have indeed changed significantly in the past 50 years. On the surface, these results appear to provide support for the Thrifty Gene Hypothesis. Focusing on a genetic explanation, however, detracts from the impact of cultural, environmental, and social factors on the emergence of NIDDM. These factors have contributed to a diet and lifestyle that would be detrimental to health in any population, irrespective of a Thrifty Gene metabolism.

Pamela Asquith, Criteria for assessing the success of internationalizing primatology. (University of Alberta)

Primatology appears to be a fully international discipline, with international journals, societies, and meetings that are regularly contributed to by scientists from all over the world. However, debates within the wider anthropological community about peripheral and marginalized contributors within a Euro-American centric discipline have several counterparts within primatology. These debates revolve around the perceived status of the journals in which contributors publish, the reviews and editing of submitted papers, the citation of work, the "token internationals" (a few internationalized members of the minority standing for the entire nation's scientists), the language, the writing style and translation, and the effect of dominant paradigms in the field.

This paper draws upon Japanese and, to a lesser extent, South American primate studies to illustrate evidence of differences in the material produced for international and national primatological audiences, and how the non-Euro-American primatologists perceive marginalization of their work to occur.

**CAPA Announces its 1999 Annual Meeting:**

**November 3 - 6**

**At the Wu Conference Centre  
University of New Brunswick  
Fredericton**

**Host Institution:**

Department of Anthropology  
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Fredericton NB E3B 5A3

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Local arrangements are being finalized and will be announced soon.  
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Any suggestions, offerings, etc. will be greatly appreciated. Some topics to be included are: Issues in Medical Anthropology; Careers in Biological Anthropology (aimed at students), and the Future of Research.

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