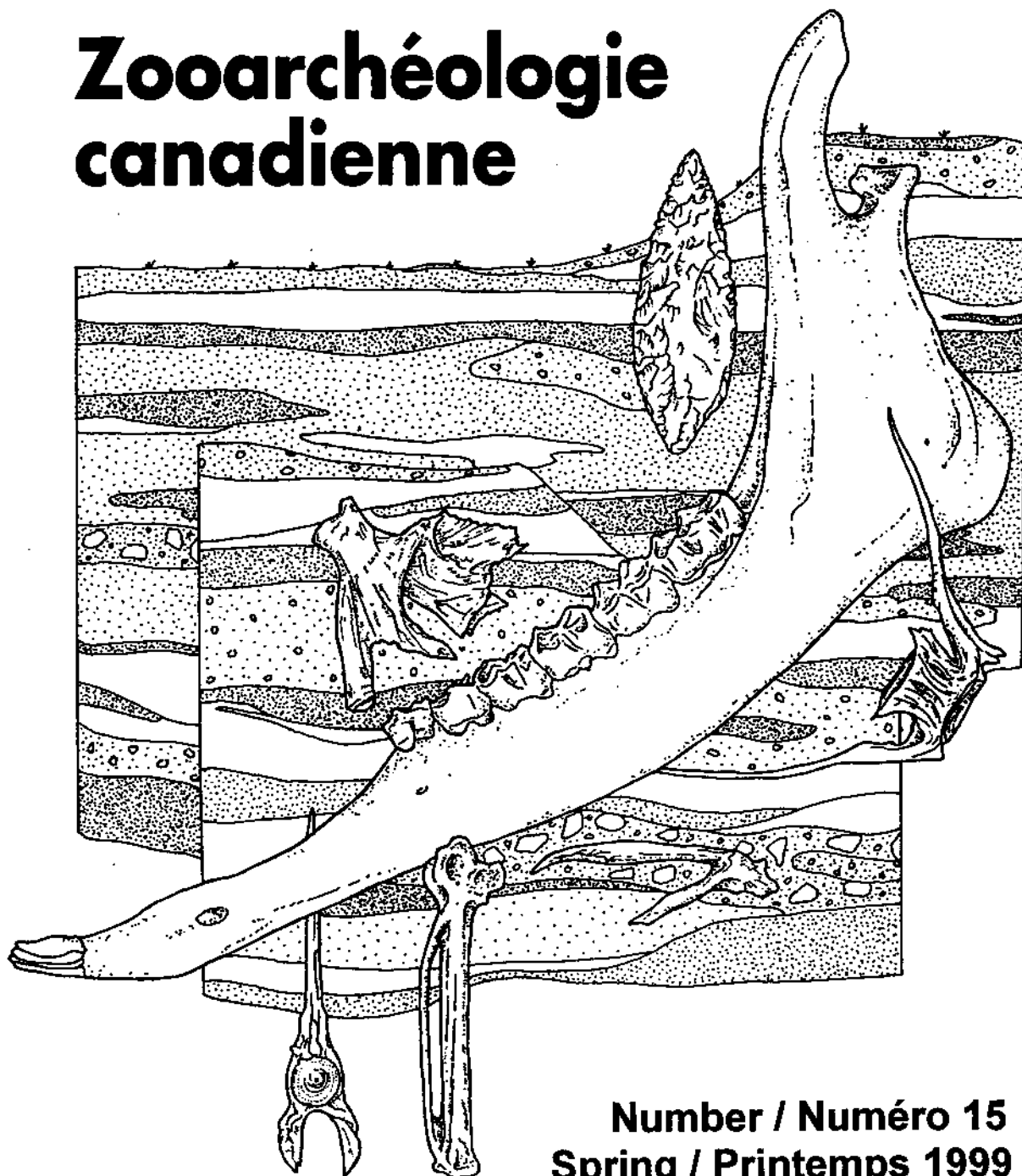


# Canadian Zooarchaeology

## Zooarchéologie canadienne



Number / Numéro 15  
Spring / Printemps 1999

## CANADIAN ZOOARCHAEOLOGY / Zooarchéologie canadienne

### Table of Contents / Table des Matières

Editor's Note / Note de l'Éditeur	... 1
Feature Listings/ Articles de fond:	
An Injured Deer Limb from a Neutral Iroquoian Site - by Frances L. Stewart	... 2
Canadian University Courses With Zooarchaeology Content - compiled by Donna Naughton	... 4
Forthcoming Conferences / Conférences à Venir	
Update for ICAZ 1999-05-03	... 10
ICAZ Fish Remains Working Group Session	... 13
Call for Papers - SHA	... 14
Recent Publications / Publications récentes	... 15
Requests, Exchanges, Notices / Demandes, Échanges, Avis	... 16

### EDITOR'S NOTE/NOTE DE L'ÉDITEUR

We have a potpourri of material in this issue of *Canadian Zooarchaeology*. Included are a short data report and a query for readers by Frances Stewart, listings of zooarchaeology courses in Canadian universities and an update on an upcoming ICAZ Fish working group conference, as well as our usual listings on publications, conferences and notices.

We are preparing a survey of comparative osteological collections across Canada (an item which has been requested by several readers) and I'm hopeful we will have results for the Fall or next Spring issue.

I am forever on the lookout for short articles or reports on zooarchaeological finds, field work, etc, so please send in anything which may be of interest to our readers. With summer approaching, I urge anyone doing fieldwork to send us a short report on how the season went and any faunal findings.

Have a great spring and summer! Thanks to Donna Naughton and Francine Desmeules for their assistance in putting this issue together.  
Kathlyn Stewart, Editor

*Canadian Zooarchaeology is published twice a year at the Canadian Museum of Nature. News, letters, articles, books or papers for review should be sent to:*

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*Cover by Debbie Yee Cannon*

## An Injured Deer Limb from a Neutral Iroquoian Site.

by Frances L. Stewart

Analysis of the faunal remains from the Neutral Iroquoian Metate Site (AjHa-19) resulted in the finding of an unusual and interesting deer bone. The Metate Site is one of many located west of Toronto in the Crawford Lake area. It "is located on a tributary of the Oakville Creek, 13.5 km north of Crawford Lake and 32 km north of Lake Ontario" (Finlayson 1998:358). Excavations in the three middens in 1990 and 1991 produced no European artefacts but many rim sherds and other native artefacts which allow the dating of this village site to *ca.* AD 1570 (ibid:361,372).

Skeletal remains identified as deer (*Odocoileus* sp.) and more precisely as white-tailed deer (*O. virginianus*) predominated the zooarchaeological material from this site. Among these was specimen number 605-4. I have identified this as a white-tailed deer metacarpal 3&4 portion which includes a fragment of the proximal end and 9.3 cm of the anterior-lateral side of the shaft (Fig.1). It is from an adult animal of medium size.

This metacarpal bone portion is of particular interest because 4.6 cm below the proximal end there is a raised portion of bone with an ovate hole in it. The hole is 6 mm long by 2 mm wide at the widest part and about 2 mm deep. The raised callous surrounding it extends for about 1.8 cm by 0.5 cm (Fig.2). This

hole appears to be the result of a projectile point penetrating the cortex but not going through it. The surrounding callous combined with the slightly rounded edges of the opening indicate that the injury caused a local reaction in the bone but did not kill the deer.

This reconstruction is supported by the evidence on the interior surface of this specimen. Inside, corresponding in position to the alterations on the exterior surface, there is a slightly raised and darker coloured deposit of rough bone. This measures 9 mm by 3 mm. Because it is placed just slightly closer to the proximal end (*ca.* 4.4mm from the proximal end), it appears that the projectile point, if it is indeed a point which caused these alterations, might have entered the bone angling up towards the proximal end. This new bone growth on the inside confirms that the animal lived beyond the time of the insult to its lower front leg.

While the shape of the hole suggests insertion of a projectile point, it is possible that this is just the chance shape resulting from some sort of infection. Has anyone else found alterations like this one? Whatever the cause, the bone growth on the interior of the bone and the callous around the hole indicate that this deer lived after this injury to its metacarpal to be hunted (again?) successfully by the Neutral Indians.

### References cited

- Finlayson, W.D. 1998. Iroquoian peoples of the Land of Rocks and Water, A.D. 1000-1650: A study in settlement archaeology, 4 volumes, London Museum of Archaeology, London, Ontario.

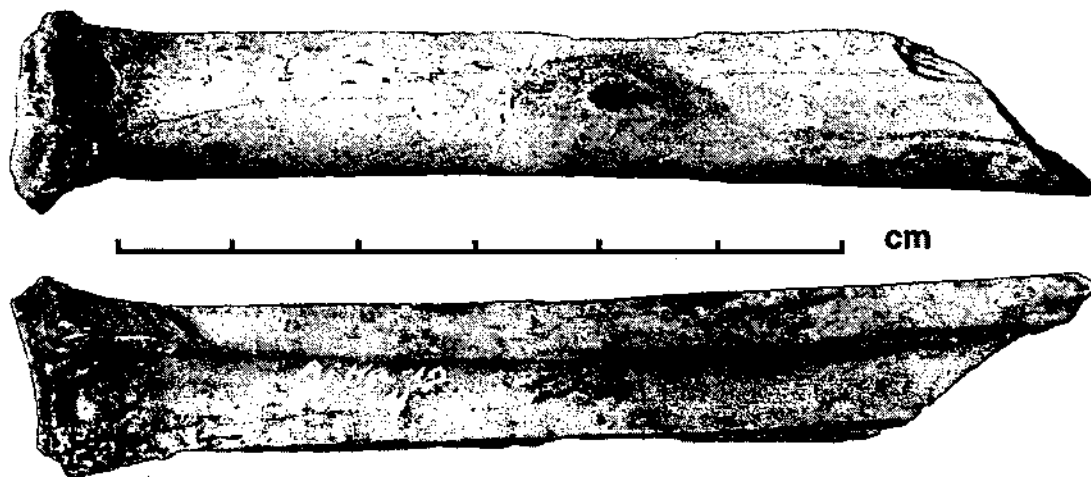


Figure 1. Metacarpal bone of *Odocoileus virginianus*. Above - exterior surface. Below - interior surface.



Figure 2. Closer view of injury. Above - exterior surface. Below - interior surface.

# CANADIAN UNIVERSITY COURSES WITH ZOOARCHAEOLOGY CONTENT

**COMPILED BY Donna Naughton**

*\*Many thanks to all those who provided information for these listings.*

*\*\*Courses described are based on current listings.*

## **BRANDON UNIVERSITY**

Province: Manitoba

City: Brandon

### Undergrad Level

Title: Archaeological Field School

Number: 68:342

Program: Archaeology

Description: This course is designed to offer academic as well as actual field experience. The first week involves formal lectures and preliminary field techniques that will outline the theory and practice of archaeology field work. After becoming acquainted with the "tools" of archaeology, field excavation, data recovery and lab processing will continue for four weeks. The final week is designated for the completion of lab and written assignments. The course provides a survey of archaeological field techniques via actual excavation experience, surveying, mapping, recording of data, sampling, flora and fauna identification, prehistoric tools, and analysis of data.

## **LAURENTIAN UNIVERSITY**

Province: Ontario

City: Sudbury

### Undergrad level

Title: Geoarchaeology

Number: ANTR 4025

Program: Anthropology

Description: This is a lecture/seminar/lab course focussing primarily on the application of Earth Sciences and environmental concepts and methodologies in archaeological research. It will include an overview of aspects of archaeobotany, zooarchaeology and archaeometry (the application of scientific techniques to archaeological problems). Geoarchaeological methods are used to examine the long term interactions between human communities and their bio-physical environment. Students will prepare a major research paper on a topic selected in consultation with the instructor.

## **McGILL UNIVERSITY**

Province: Québec

City: Montréal

### Undergrad level

Title: Zooarchaeology

Number: Anthropology 151-312A

Program: Anthropology

Faculty: Arts

Description: A systematic investigation into current methodological and theoretical concerns in archaeological faunal analysis. Topics to be examined include sampling and quantification, butchery, seasonality, subsistence, taphonomy, and paleoecology.

## **MEMORIAL UNIVERSITY**

Province: Newfoundland

City: St. John's

Undergrad Level

Program: Anthropology  
Faculty: Arts

Zooarchaeology courses are taught occasionally, depending on faculty. None are offered in 1998-1999. Inquire at the Department.

**SIMON FRASER UNIVERSITY**

Province: British Columbia  
City: Burnaby

Undergrad level

Title: Zooarchaeology  
Number: ARCH 340-5  
Program: Archaeology  
Faculty: Arts

Description: An introduction to the study of **animal remains** from archaeological sites. Coverage of the major concepts and methods used in the study of animal remains and detailed practical coverage of the vertebrate skeleton.

Title: Ecological Archaeology  
Number: ARCH 365-3  
Program: Archaeology  
Faculty: Arts  
Description: Deals with the techniques for reconstruction of past environments, as well as the effect of environment on past settlements and people. Environment as considered in the course will encompass the presence of other settlements, and deal with relationships among settlements.

Graduate Level

Title: Seminar in Zooarchaeology

Number: ARCH 840-3  
Program: Archaeology  
Faculty: Arts  
Description: Intensive examination of certain key topical areas of **faunal studies** in archaeology.

**TRENT UNIVERSITY**

Province: Ontario  
City: Peterborough

Undergrad level

Title: Zooarchaeological Interpretation  
Number: Anthropology 362a/b  
Faculty: Anthropology  
Description: The identification and interpretation of **faunal remains** recovered from archaeological sites.

**UNIVERSITÉ DE QUÉBEC À MONTRÉAL**

Province: Québec  
City: Montréal

Undergrad level

Title: Archéozoologie  
Number: SCT-4050  
Program: Sciences de la Terre  
Faculty: Science  
Description: L'objectif principal du cours est de familiariser les étudiants avec les bases théoriques et méthodologiques de la recherche **archéozoologique**. Le cours comprend des exercices de laboratoire qui ont pour but d'initier les étudiants au travail technique de la discipline (anatomie comparée, détermination de l'âge et du sexe des animaux, analyse des modifications naturelles et anthropiques subies par les restes osseux, méthodes quantitatives, etc.)

**UNIVERSITY OF ALBERTA**

Province: Alberta  
City: Edmonton

Undergrad level

Title: Introduction to Archaeology  
Number: Anthropology 206  
Program: Anthropology  
Faculty: Arts  
Description: Introduction to the nature, purposes, theory and methods of anthropological archaeology. Emphasis is placed upon the principles of reconstruction of past societies from archaeological evidence and the explanation of cultural evolution.  
*\*Note – Faculty says that this course contains some zooarchaeological content.*

Title: Independent Research  
Number: Anthropology 472  
Program: Anthropology  
Faculty: Arts  
Description: This course can be adapted to any student wishing advanced coverage in Zooarchaeology.

Title: Archaeological Methods  
Number: Anthropology 495  
Program: Anthropology  
Faculty: Arts  
Description: The application of archaeological theory and methods to field and laboratory problems.  
*\*Note – Faculty says that this course contains some zooarchaeological content.*

**UNIVERSITY OF BRITISH COLUMBIA**

Province: British Columbia  
City: Vancouver

Undergrad level

Title: Theory in Archaeology  
Number: Anthropology 305  
Program: Anthropology  
Faculty: Arts  
Description: This course is basic to upper level courses in archaeology because it provides ways of looking at archaeological problems, and a framework for research. You need this course to concentrate on archaeology in this department. This course is an intensive review of the methods and theories of prehistoric archaeology. It does not focus on the archaeology of a specific region nor does it provide field work training or intensive lab work. The concepts of prehistoric archaeology and the methods and principles of field work and survey (lecture format only), the nature of the archaeological record, artefact classification, sampling, dating, faunal analysis and subsistence reconstructions make up the topics for the first term. Settlement pattern analysis, social organization reconstruction, trade and religion begin the second term. The history of North American archaeology and archaeological theory follow with the end of the year being focused around the problems of doing archaeology in the 1990s.

Title: Analytical Techniques in Archaeology  
Number: Anthropology 406-001  
Program: Anthropology  
Faculty: Arts  
Description: The objectives of this course are to introduce the techniques used in the laboratory after archaeological fieldwork and to show how these are used in producing new knowledge about the past. The techniques surveyed include the classification of lithic and ceramic artefacts, artefact illustration,

lithic analysis, and **faunal analysis**. Instruction in the use of microscopes, calipers, and scales is included. Regular laboratory assignments on each of the techniques are required and one larger research report using some form of analytical technique will be due at the end of the term. The main required readings will be from the Sutton and Arkush text, but some additional unpublished readings will also be assigned.

### **UNIVERSITY OF CALGARY**

Province: Alberta  
City: Calgary

#### Undergrad level

Title: Zooarchaeology  
Number: Archaeology 417 (formerly Archaeology 317)  
Program: Archaeology  
Faculty: Social Sciences  
Description: The study and analysis of **osteological remains** used in reconstructing the subsistence strategies of past peoples.

#### Graduate Level

Title: Advanced Zooarchaeology  
Number: Archaeology 605  
Program: Archaeology  
Faculty: Social Sciences  
Description: Specialized techniques of zooarchaeological analysis employed in research areas including site seasonality, aging and sexing, paleo-environmental reconstruction and **identification techniques** for non-mammalian species.

### **UNIVERSITY OF MANITOBA**

Province: Manitoba

City: Winnipeg

#### Undergrad level

Title: Faunal Analysis in Archaeology  
Number: 076.399.  
Program: Anthropology  
Faculty: Arts  
Description: Analytic and interpretive methods of treating archaeologically recovered **faunal remains** are addressed through lectures, demonstrations, and laboratory exercises.

### **UNIVERSITY OF NEW BRUNSWICK**

Province: New Brunswick  
City: Saint John

#### Undergrad Level

Title: Archaeological Lab School  
Number: ANTH 3340  
Program: Anthropology  
Faculty: Arts  
Description: Introduces archaeological techniques used to analyse artefacts, **bioarchaeological specimens**, ecofacts and sediments through participation in a lab research project.

### **UNIVERSITY OF SASKATCHEWAN**

Province: Saskatchewan  
City: Regina

#### Undergrad level

Title: Historical Archaeology  
Number: ARCH 352.3  
Program: Anthropology and Archaeology  
Faculty: College of Arts and Science

Description: Study of the method and theory of historical archaeology in North America with emphasis on recent developments in the field. Topics include critical use of documentary sources, historic artifact and **faunal analyses**, pattern recognition, frontier archaeology and others will be explored.

involving actual faunal assemblages is included.

**UNIVERSITY OF TORONTO**

Province: Ontario  
City: Toronto

Undergrad level

Title: Archaeological Field Methods  
Number: ARCH 361.6  
Program: Anthropology and Archaeology  
Faculty: College of Arts and Science  
Description: Six weeks of field experience in archaeological research techniques including site survey, excavation, and laboratory analysis. The field location will depend on areas of departmental projects. Offered in Intersession or Summer Session.

Title: Physics and Archaeology  
Number: JPA310H (formerly JPA300Y)  
Program: Anthropology  
Faculty: Arts and Science  
Description: Introduction to the principles behind archaeometric methods for remote sensing, dating, and analysis of archaeological materials, and interpretation of results. (Given by the Departments of Physics and Anthropology)

Title: Zooarchaeology  
Number: ARCH 458.6  
Program: Anthropology and Archaeology  
Faculty: College of Arts and Science  
Description: The identification of **vertebrate faunal remains** from archaeological sites including an examination of interpretive procedures and quantitative methods.

Title: Paleoanthropology Field School  
Number: ANT330Y  
Program: Anthropology  
Faculty: Arts and Science  
Description: This course provides background in the practical and theoretical aspects of fieldwork in Paleoanthropology. Students are trained in the treatment and **analysis of fossil vertebrates**, plant macro- and micro-fossils and sediments. Excursions to paleoanthropological localities of *Homo erectus* and *Homo sapiens*, and excavation at a hominoid site. (Joint undergraduate-graduate)

Graduate level:

Title: Zooarchaeology.  
Number: ARCH 858.3  
Program: Anthropology and Archaeology  
Faculty: College of Arts and Science  
Description: A reading course in method and theory relating to identification and interpretation of **faunal materials** from archaeological sites. A practicum

Title: Laboratory in Faunal Archaeo-Osteology  
Number: ANT415Y  
Program: Anthropology  
Faculty: Arts and Science

Description: Examination and interpretation of **faunal material** from archaeological sites as evidence for culture.

Title: Archaeological Laboratory  
Number: ARH312Y  
Program: Anthropology (Archaeology Program)  
Faculty: Arts and Science

Description: Techniques for making archaeological data meaningful after excavation or survey. Archaeological measurements, compilation of data, database design, archaeological systematics, and sampling theory in the context of lithics, pottery, floral, **faunal** and other archaeological remains.

Title: Faunal Archaeo-Osteology  
Number: ANT415  
Program: Anthropology (Erindale)  
Faculty: Arts and Science  
Description: Examination and interpretation of **faunal material** from archaeological sites, to obtain cultural information regarding the site occupants.

#### Graduate level

Title: Faunal Archaeo-Osteology  
Number: ANT4037L  
Program: Anthropology (Archaeology Program)  
Faculty: Arts and Science

*\*Note – For course description see description for ANT415.*

#### **UNIVERSITY OF VICTORIA**

Province: British Columbia  
City: Victoria

#### Undergrad level

Title: Selected problems in Anthropology.  
Number: ANTH 390  
Program: Anthropology  
Faculty: Arts  
Description: In past years this course has occasionally been taught as a zooarchaeology course. Please consult department for future course descriptions.

#### **UNIVERSITY OF WATERLOO**

Province: Ontario  
City: Waterloo

#### Undergrad level

Title: Osteology for Archaeologists  
Number: ANTH 450  
Program: Anthropology and Classical Studies  
Faculty: Arts  
Description: This laboratory course will survey the osteology of humans and common domestic animals, with an emphasis on recovery and identification of **skeletal material** at archaeological sites.

#### **UNIVERSITY OF WINNIPEG**

Province: Manitoba  
City: Winnipeg

#### Undergrad Level

Title: Archaeological Method  
Number: 02.3210/3 / 02.4210/3  
Program: Anthropology  
Faculty: Arts and Science  
Description: This is a course in archaeological method. It contains a comprehensive coverage of processing, analysis, interpretation and reporting. A

spectrum of specialized methodology in relation to dating, zoological and botanical reconstructions, and geology is included.

**WILFRED LAURIER UNIVERSITY**

Province: Ontario  
City: Waterloo

Undergrad Level

Title: Advanced Field Archaeology  
Number: AR 452  
Program: Archaeology Field School  
Faculty: Arts and Science  
Description: Study under field conditions of the more specialized aspects of archeology, including registry procedures, handling of artefacts, **skeletal remains**, geological and radio carbon samples at a more advanced level. Special attention will be given to dating methods, field drawing and recording methodology in assessing the cultural, historical, and religious significance of archaeological data.



**FORTHCOMING  
CONFERENCES /  
CONFÉRENCES À VENIR**

**ICAZ - FISH REMAINS  
WORKING GROUP  
NEW YORK CITY  
SEPTEMBER 24 - OCTOBER 2,  
1999**

*INVITATION*

**APPROACHING A NEW MILLENNIUM:  
FISHERIES RESEARCH AT PRESENT,  
QUESTIONS FOR THE FUTURE**

You are invited to participate in the 10th meeting of the ICAZ Fish Remains Working Group which will be held in New York City, September 4 - October 2, 1999. If you are interested in participating please contact Sophia Perdikaris by June 1, 1999.

The New York meeting will focus on cooperative work, regional issues, methodology, and the formation of workshops for a more hands on approach to difficult conceptual and practical issues. Interested graduate students are also encouraged to attend.

**SCHEDULE OF EVENTS**

The papers and workshops are expected to run on a 9:00 am - 5:00 pm schedule from September 24 - 28th. On September 29th there will be a group visit to the Fulton Fish Market, South

Street Seaport and Chinatown fish market. (Those not wishing to participate in this visit may treat the 29th as a "Free Day". A trip to Cape Cod in Connecticut is planned from September 30th to October 2nd. During this trip we will visit the Norwald Maritime Aquarium, walk on salt marshes, and go on a guided whale-watch trip. The trip to Connecticut will be accompanied by a series of talks on maritime ecosystems, seabirds and sea mammals.

### **COOKBOOK**

A first edition of the Fish Remains Working Group Cookbook is in the works! If you have a favorite recipe (butchery and ethnographic notes appreciated) and you want to share it, please send it in by May or June of 1999, for inclusion.

### **CONFERENCE COSTS**

The conference fee is \$60.00 US for the general membership and \$40.00 US for students.

### **NEW YORK**

Two small Inns will be used for the conference. The Murray Hill Inn is located on 30th Street between Lexington and Third Avenue. The Amsterdam Inn is located on 76th Street and Amsterdam Avenue. You can make reservations via Sophia Perdikaris up until one month prior to the conference. After that time, you will need to contact them directly. PLEASE NOTE THAT THE HOTEL IN NEW YORK DOES NOT ACCEPT CREDIT CARDS. Payment must be made in either CASH, TRAVELERS

CHECKS or via WIRE TRANSFER (see below for bank info).

Hotel Room rates in New York are \$80.00 for a single room with shared bath per night.

Double occupancy rooms with shared bathrooms cost \$113.00 per night. Private baths are available for a surcharge of \$30.00 per room.

These prices do not include 8.25% NY sales tax. Meals, telephone calls, etc. are extra.

### **CONNECTICUT**

The Holiday Inn at Cape Cod will be the hotel used during the trip to Connecticut. There is a flat fee of \$65.00 per person for either single or double room. All rooms have private bathrooms.

### **OTHER COSTS**

Following is an approximate price list, so that you can plan your expenses for the trip. In New York, depending on your budget, you can spend much less or a lot more.

### **MEALS**

Estimate approximately \$5 -7.00 for breakfast, \$10.00 for lunch and \$20.00 for dinner.

MUSEUM passes approx. \$50.00

### **TRANSPORTATION TO AND FROM AIRPORT**

\$30.00 each way (plus tolls and tip) by taxi

or

\$10.00 each way by bus to NY City and a cab to the hotel for another \$7-10.00

**TIPS AND TAXES**

Tipping is required in all service oriented businesses (restaurants, taxis, etc.) usual amount is 10-15% of the total bill.

The New York Sales tax is 8.25% and is applicable to all non-food items. For those not wishing to travel with large sums of cash, there are plenty of cash machines in the city from which you may withdraw money using your credit card. Another alternative is for you to prepay part of your trip by sending money to the following conference account:

**BANK: Union National Bank  
Souderton, PA 18964, USA**

Telephone: +215-721-0566 or +800-287-0105

**ACCOUNT TITLE: Thomas H. McGovern  
T/A NABO  
ACCOUNT NUMBER: 1702010727**

**LIST OF PARTICIPANTS  
as of March 3, 1999**

Arturo Acero	Colombia-U.Nacional de Colombia
Colin Amundsen	USA-CUNY
Tiffanie Azar	USA-Nat. Park Service --tentative
James Barrett	Canada-U. Of Toronto
Laszlo Bartosiewicz	Hungary-Lorand Eotvos U.

Philippe Bearez	Peru-Instituto France de Estudios Andinos
Mark Beech	UK - U of York
William Belcher	USA-IMA Consulting
Gerald Bigelow	USA-U. Of S. Maine
Kristin Bosma	Netherlands-Groningen Institute for Archaeology
Ruby Ceron Carrasco	UK-U.of Edinburgh
Barry Constantine	UK
Pam Crabtree	USA - NYU
Nathalie Desse-Berset	France-CNRS Centre de Recherches
Jean Desse	France-CNRS Centre de Recherches
Ragnar Edvardsson	Iceland - FSI
Inge Bodker-Enghoff	Denmark-Zoologisk Museum
Alfred Galik	Austria - Inst. Of Paleontology
Ruth Greenspan	USA-Zooarchaeology
Ana Fabiola Guzman	Mexico- Escuela Nacional de ciencias Biologicas
Brent M. Handley	USA-U of Connecticut
Richard Hoffman	Canada - York U. Toronto
Heide Huster-Plogmann	Switzerland - Research Inst. Of Basel
Lucy Lewis Johnson	USA - Vassar
Andrew Jones	UK - U. of York
Pirjo Lahtipera	Norway - Zoologisk Museum
Angelica Lampen	Germany- U of Munster
Foss Leach	New Zealand - U of NZ
Omri Lernau	Israel
Marlene Linville	USA - CUNY
Alison Locker	BWI-U. Of Southampton
Lembi Lougas	Estonia - Inst. Of History

Daniel Makowiecki	Poland/Germany- Deutsches Arch. Inst
Marjan Mashkour	France/Iran- Museum national d'Histoire naturelle
Thomas McGovern	USA - CUNY
Sandra Meadows	USA - CUNY
Claudia Milne	USA - IMA Associates
Greg Monk	USA
Chris Mosseri- Marlio	UK - Inst. Of Arch., London
Arturo Morales	Spain - U. Autonoma de Madrid
Jacqui Mulville	UK -U. of Southampton
Suzanne Needs Howarth	Netherlands- Groningen
Astrid Ogilvie	USA - INSTAAR
Maria Del Mar Ortega	Spain - Laboratoire de Anatomia Animal
Gernán Peña	Colombia
Sophia Perdikaris	USA-CUNY
Anne Pike Tay	USA- Vassar
Oscar Polaco	Mexico - Escuela Nacional de ciencia Biologicas
Judith Powell	Australia- Queensland Dept. Of Environment
Andre Rehazek	Switzerland - Research Inst. Of Basel
Jeanie Romeo	USA
Teresa Rosales	Peru - U. Nacional de Trujillo
Amelia Sanchez	Mexico - U. of Mexico
Jerry Sawyer	USA - CUNY
Grouard Sandrine	France - Museum of Nat. History
Igor Smolyar	Russia - NOAA
Kathlyn Stewart	Canada - Canadian Museum of Nature
Andrei Tabarev	Siberia - Inst. Of Arch. & Ethnography
Clayton Tinsley	USA - CUNY
Margarethe Uerpmann	Germany - Archaeobiologie

Petra J.E.M. van Dam	Netherlands - Princeton
Wim van Neer	Belgium - Royal Museum of C. Africa
Victor Vasquez	Peru - U. Nacional de Trujillo
Jim Woollett	Canada - CUNY
Irit Zohar	Israel - Tel Aviv U.



ICAZ SESSION:

*The call for papers went out long ago, but we are printing it in CZ just in case there are any people with an interest in freshwater fish who aren't on FISH NET. Space permitting, Terry and Suzanne may still be able to accept papers and posters, provided they get the abstracts very soon.*

## Methodological Issues in the Analysis of Freshwater Fish Assemblages

*An ICAZ Fish Remains Working Group session hosted by Suzanne Needs-Howarth and Terrance J. Martin.*

This workshop is intended to bring together researchers worldwide to share ideas on the advantages, drawbacks and interpretive potential of working with freshwater fish remains. We saw how productive and stimulating it can be to focus on a common theme at the "Oceanic

middens" symposium at the ICAZ conference in Victoria, B.C. We thought it would be instructive to bring together a variety of researchers working with non-marine fish for an afternoon of presentations, posters and informal discussion in a format that would be a hybrid between a workshop, poster session and symposium.

We are hereby inviting 10 minute oral presentations that focus on method surrounding the analysis of freshwater fish remains. Following each presentation we will allow 5 minutes for discussion. In view of the short time slots and the informal nature of the session we would encourage participants to rely on abundant visual aids. Since we can only accommodate a limited number of oral presentations, we encourage you to consider submitting a poster if possible. These will be set up in the room for the afternoon. We will reserve ample time towards the end of the session for viewing and discussion of the posters and a wrap-up. At that point we may also consider whether to publish a proceedings volume.

Please send poster and paper abstracts to Suzanne by March 30 or as soon as possible at [s.needs@sympatico.ca](mailto:s.needs@sympatico.ca).

For conference details see <http://atlas.otago.ac.nz:800/~foss/ICAZ/ica.htm>



## CALL FOR PAPERS

The Society for Historical Archaeology and the Advisory Council on Underwater Archaeology would like to announce that the SHA Quebec 2000 Conference on Historical and Underwater Archaeology will be held between January 4-9, 2000, at the Québec Hilton Hotel in Québec City, Canada.

The Ostéothèque (Zooarchaeology laboratory in Montreal) would like to organize a session on historical zooarchaeology. If you think you might be interested in participating, please contact [levelyne.cossette@sympatico.ca](mailto:levelyne.cossette@sympatico.ca) or phone (514) 987-3000 #4022.

For further information on the SHA-2000 meeting please contact:

Reginald Auger, program coordinator,  
CELAT, Université Laval, Québec  
E-MAIL: [reginald.auger@celat.ulaval.ca](mailto:reginald.auger@celat.ulaval.ca)  
FAX:(418) 656-5727

or

William Moss,  
Conference chair, Centre de  
développement économique et urbain,  
Ville de Québec, C.P. 700 Hauteville,  
Québec (Québec), G1R 4S9  
E-MAIL: [wmoss@riq.qc.ca](mailto:wmoss@riq.qc.ca)  
FAX: (418) 691-7853  
PHONE: (418) 691-6869).

Thank you in advance for your help, support and participation!  
Ostéothèque is looking forward to welcoming all of you in Quebec!

## Recent Publications/ Publications récentes

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## Requests, Exchanges, Notices / Demandes, Échanges, Avis

The Zooarchaeology Home Page (ZHP) has been moved to a new server. Please update your bookmarks: <http://borealis.lib.uconn.edu/zhp/>

If you are active in archaeological faunal analysis, consider visiting ZHP to add your name to the International Directory of Zooarchaeologists.



If you are interested in the archaeological site (QkHn-12) on Devon Island, Canadian high Arctic, being studied by the University of Waterloo, go to the internet site:

<http://arts.uwaterloo.ca/ANTHRO/rwpark/ArcticArchStuff/TL.html>

The principal archaeologist, Robert W. Park, provides up to date information including the most current faunal analysis.