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Chair’s Report

The past two years have seen a lot of lively activity in our department. Perhaps the most momentous event was our move to the Faculty of the Environment which officially took effect on 1 April 2011. This represented the end of a two-year long process when we transitioned out of the Faculty of Arts and Social Sciences which had been our home for 40 years. Our department staff worked hard to make this transition a smooth one, and in this we were assisted by the Dean’s office personnel. The year 2011 was followed in 2012 by a veritable whirlwind of activity including a departmental external review, a series of legal strikes and job action by our CUPE and TSSU colleagues, and two new faculty hires!

As usual, archaeology faculty were highly successful in attracting both external and internal research funding in 2011-12. Most notable was a SFU Community Trust Endowment Fund of $1.1 million awarded to Mark Collard to support research in Human Evolution. With the retirements of Mark Skinner and Brian Hayden in 2011, the department lost two distinguished faculty members. Both however, are still actively conducting research, with Brian continuing archaeological excavations at Keatley Creek and Mark pursuing investigations in bioanthropology and forensic anthropology. After enduring several years of non-replaced faculty retirements, the department was finally given leave to hire two new limited-term faculty members in 2012. Hugo Cardoso, a bioanthropologist, and Francesco Berna, a geoarchaeologist, were appointed and we are very much looking forward to welcoming them to our department in 2013. We have been blessed with a dynamic group of post-doctoral fellows and adjunct faculty whose presence truly enriches our department. They are engaged in a wide variety of research ranging from historical archaeology to Palaeolithic studies and they have made significant teaching contributions.

We were saddened to learn of the death of Herbert Alexander in March 2011. Herbert was a founding faculty member of our department who left in 1980 to pursue other interests in Australia. As a member of our department his archaeological work focussed on the Palaeo-Indian period.

The Undergraduate Executive Committee in 2011-12 was led by Bob Muir, who implemented and worked the bugs out of a newly revised undergraduate curriculum. In these tasks he was ably assisted by Chris Papaianni and Laura Walker (formerly Nielson). Our undergraduate students continued to impress us with their involvement in our department and the wider university community. They organised numerous social events, and several undergrads traveled to Victoria to attend the Canadian Association for
Physical Anthropology annual meeting in March 2012. Our department continued to offer highly acclaimed field schools in the South Pacific, Greece, and locally on the Sunshine Coast. A key to the success of our undergraduate programme has been the support we receive from a talented group of sessional instructors who bring a fresh perspective to our established courses and have developed new course offerings relating to their research specializations.

Our Graduate Programme underwent an extensive review in 2011-12, resulting in major changes to the comprehensive exams and graduate student progress review procedures. In this we are indebted to Dongya Yang as Grad Chair, supported by Merrill Farmer, both of whom went to great lengths to ensure a smooth transition to the new procedures. Our graduate students continue to shine as evidenced by the increasing number of external and internal awards received in 2011-12. In 2011 our department was fortunate to receive a new graduate scholarship, thanks to the generosity of the Kiaii family of Vancouver. They established the Alexia Sepideh Kiaii Graduate Scholarship which is designed to support graduate students who are required to travel to complete their dissertation research. Alexia was very passionate about archaeology and Italian culture. She completed her MA in Classical Archaeology at UBC but her life was tragically cut short at the age of 37. We are extremely grateful to the Kiaii family for their support of our students.

One of the highlights of 2011 was the repatriation of a large quantity of ancestral remains excavated from the Namu site to the Heiltsuk First Nation of Bella Bella. Shannon Wood worked tirelessly to prepare and inventory the remains for repatriation. We organised a special event in the SFU Atrium, Ceremony for the Return of Namu Ancestors, with the assistance of Rudy Reimer, Eldon Yellowhorn, Shannon Wood, Laura Walker, and Peter Locher. Speakers included President Andrew Petter, Chiefs Edwin Newman, Harvey Humchitt and Marilyn Slett, Roy Carlson, and Dean John Craig. In preparation to receive the ancestral remains, Chief Harvey Humchitt oversaw the completion of 48 exquisite bentwood boxes which housed the remains that were buried near the site of the original Namu excavations. Roy and Maureen Carlson and I had the honour of witnessing the ceremonies held in Bella Bella, which for me was one of the most memorable events of my term as department chair.

The Museum of Archaeology and Ethnology under the direction of Barbara Winter launched a highly successful website in 2011 entitled Investigating Forensics. In addition the museum received a wonderful collection of Haida argillite carvings donated by the McLean family. A highly enjoyable event to celebrate this donation and to thank the McLean family was held in the museum in March 2012.

The year 2012 brought words that fill department chairs with terror—external review. This is required of all university units once every seven years, where a panel of external experts hold site visits and conduct interviews with departmental representatives. In preparation for this, we held a retreat and collectively prepared a self-study document. Thanks to everyone pulling together it turned out to be one of our most positive external reviews. It was noted by the senior administration and thanks to the support of our Dean, John Pierce, it lead to the two limited term-appointments made later that year.

This is my final biennial report as I leave the Chair’s office on 31 August 2013, when David Burley takes over. It has been an honor to serve the department over the past five years and I have learned much from this experience. I would like to express my appreciation to our faculty Dean, John Pierce who has been a strong advocate of our department. I have benefited greatly from his guidance. An especially enjoyable part of my job was working with our office and technical staff, including Chris Papaianni, Shannon Wood, Barbara Winter, Merrill Farmer, Laura Walker and Peter Locher. These colleagues have formed some of the most productive and enjoyable working relationships I’ve experienced in my career, and their whole-hearted dedication to our department has been a source of inspiration.

Catherine D’Andrea
Department Chair
DEPARTMENT ORGANIZATION

FACULTY

Dr. David Burley, Professor
Dr. Mark Collard, Professor
Dr. Catherine D’Andrea, Department Chair, Professor
Dr. Jonathan Driver, Vice-President Academic and Provost, Professor
Dr. Biruté Galdikas, Professor
Dr. Ross Jamieson, Associate Professor
Dr. Dana Lepofsky, Professor
Dr. Robert J. Muir, Senior Lecturer
Dr. George Nicholas, Professor
Dr. Rudy Reimer, Assistant Professor
Dr. John Welch, Associate Professor
Dr. Eldon Yellowhorn, Associate Professor; Chair, Department of First Nations Studies

PROFESSORS EMERITI

Dr. Roy Carlson
Dr. Knut Fladmark
Dr. Brian Hayden
Dr. Erle Nelson
Dr. Mark Skinner

ASSOCIATE FACULTY

Dr. John Clague (Earth Sciences, Professor)
Dr. David Huntley (Physics, Professor Emeritus)
Dr. Rolf Mathewes (Biology, Professor)
Dr. George MacDonald (Bill Reid Foundation)
Dr. Pablo Nepomnaschy (Health Sciences, Associate Professor)

ADJUNCT FACULTY

Dr. Ron Adams
Dr. Clement Apaak
Dr. Ana Boza-Arlotti
Dr. Jerome Cybulski
Dr. James Delgado
Dr. Richard Lazenby
Dr. Alan McMillan
Dr. Deborah C. Merrett
Dr. Michael Richards
Dr. Sarah C. Walshaw
Dr. Darlene Weston
Dr. Michael Wilson
Dr. Robyn Woodward
Dr. Harald Yurk

DEPARTMENT STAFF

Merrill Farmer Chair Secretary & Graduate Programme Assistant
Peter Locher Laboratory Technician
Chris Papaianni Manager & Academic Advisor
Laura Walker Undergraduate Programme Assistant & Budget Clerk
Barbara Winter Museum Curator
Shannon Wood Laboratory Manager

2011-2012 Biennial Report  3
LIMITED TERM & LABORATORY INSTRUCTORS

**Summer 2011**
Nyra Chalmer  Lab Instructor, Local Field School

**Fall 2011**
Dr. Dennis Sandgathe  Limited Term Lecturer

**Spring 2012**
Dr. Dennis Sandgathe  Limited Term Lecturer

**Summer 2012**
Dr. Dennis Sandgathe  Limited Term Lecturer
Nyra Chalmer  Lab Instructor, Fiji Field School

**Fall 2012**
Dr. Dennis Sandgathe  Limited Term Lecturer
Antonia Rodrigues  Lab Instructor, ARCH 373

SESSIONAL INSTRUCTORS

**Spring 2011**
- Dr. Alvaro Higueras  ARCH 100
- Dr. Jane Roy  ARCH 100
- Dr. David Maxwell  ARCH 131 Surrey
- Dr. Dennis Sandgathe  ARCH 131
- Alan Cross  ARCH 333
- Dr. Deborah Merrett  ARCH 334
- Dr. Barbara Winter  ARCH 349
- Dr. Briggs Buchanan  ARCH 376

Distance Education Course Supervisor
Dr. Dennis Sandgathe  ARCH 131

**Summer 2011**
Distance Education Course Supervisor
Dr. Dennis Sandgathe  ARCH 131

**Fall 2011**
Dr. David Maxwell  ARCH 100, 201
Jennifer Lewis  ARCH 332
Dr. Alvaro Higueras  ARCH 334
Dr. Ana Boza-Arlotti  ARCH 373

Distance Education Course Supervisors
Dr. Dennis Sandgathe  ARCH 131
Dr. Barbara Winter  ARCH 301

**Spring 2012**
- Dr. Alvaro Higueras  ARCH 100
- Dr. Doug Ross  ARCH 100
- Dr. David Maxwell  ARCH 201
- Dr. Barbara Winter  ARCH 348
- Dr. Deborah Merrett  ARCH 452
- Dr. Briggs Buchanan  ARCH 894

**Fall 2012**
Dr. David Maxwell  ARCH 100, 131
Dr. Ernest Bumann  ARCH 100
Dr. Alvaro Higueras  ARCH 100 Surrey
Dr. Ana Boza-Arlotti  ARCH 442

POST DOCTORAL FELLOWS

Dr. Briggs Buchanan
Dr. Jessica Munson
Dr. Douglas Ross
Dr. Valentina Savo
Dr. Jon Scholnick
Dr. Camilla Speller

PhD student Haftamu Taddesse conducting field survey in Ethiopia.
COMMITTEES

Department Tenure Committee 2011
Chair: Catherine D’Andrea
Mark Collard
Biruté Galdikas
Ross Jamieson
George Nicholas
John Welch
Eldon Yellowhorn
Dongya Yang (Alternate)

Department Tenure Committee 2012
Chair: Catherine D’Andrea
David Burley
Dana Lepofsky
George Nicholas
Rudy Reimer
John Welch
Eldon Yellowhorn
Mark Collard (Alternate)

Graduate Executive Committee 2011
Chair: Dongya Yang
Ross Jamieson
Eldon Yellowhorn
John Welch
Merrill Farmer (Staff Representative)
Graduate Representative (n/a)

Graduate Executive Committee 2012
Chair: Dongya Yang
Ross Jamieson
John Welch
Eldon Yellowhorn
Merrill Farmer (Staff Representative)
Graduate Representative (n/a)

Appointments Committee 2012
Chair: Catherine D’Andrea
Chris Papaianni (Staff Representative)
Matthew Go (Undergraduate Representative)
Marina Elliott (Graduate Representative)

Graduate Representative

Undergraduate Programme Committee

Spring 2011
Chair: David Burley
Dongya Yang
Chris Papaianni
Chelsey Armstrong (Undergraduate Representative)
Laura Walker (Recording Secretary)

Spring 2012
Chair: Bob Muir
Rudy Reimer
John Welch
Chris Papaianni
Alexa Walker (Undergraduate Representative)
Laura Walker (Recording Secretary)

Fall 2011
Chair: John Welch
Bob Muir
Rudy Reimer
Chris Papaianni
Kody Huard / Alexa Walker (Undergraduate Representatives)
Laura Walker (Recording Secretary)

Fall 2012
Chair: Bob Muir
Rudy Reimer
John Welch
Chris Papaianni
Matthew Go (Undergraduate Representative)
Laura Walker (Recording Secretary)
Archaeology Student Society (Undergraduate)

**Fall 2011**
- President: Rhory Gillies
- Vice President: Tyrone Hamilton
- Treasurer: Kody Huard
- Faculty Liaison: Alexa Walker
- Forum Rep: Jaclyn Deacon
- Secretary: Kristen McLaughlin
- Debitage Editors: Nikki Gervais, Katie Hausch

**Summer 2012**
- President: Michael Elvidge
- Vice President: Carleen Novak
- Treasurer: Nyomi Sherwin
- Faculty Liaison: n/a
- Forum Rep: n/a
- Secretary: Kristen McLaughlin
- Debitage Editor: n/a

**Fall 2012**
- President: Michael Elvidge
- Vice President: Carleen Novak
- Treasurer: Nyomi Sherwin
- Faculty Liaison: Matthew Go
- Forum Rep: Jaclyn Deacon
- Secretary: Kristen McLaughlin
- Debitage Editors: Nyomi Sherwin, Chelsea Muirhead

**Spring 2012**
- President: Rhory Gillies
- Vice President: Tyrone Hamilton
- Treasurer: Kody Huard
- Faculty Liaison: Alexa Walker
- Forum Rep: Jaclyn Deacon
- Secretary: Kristen McLaughlin
- Debitage Editors: Nikki Gervais, Katie Hausch

Archaeology Graduate Student Committee

**2011**
- Chair: Lia Tarle
- Co-Chair: Sarah Carr-Locke
- Treasurer: Antonia Rodrigues
- Secretary: Kathleen LeBlanc
- GSS Rep: Travis Freeland
- GSS Alt. Rep: Sarah Carr-Locke
- TSSU Rep: Melissa Roth
- Department Rep: Luseadra McKerracher
- Space: Sarah Carr-Locke

**2012**
- Chair: Vacant
- Co-Chair: Vacant
- Treasurer: Antonia Rodrigues
- Secretary: Kathleen LeBlanc
- GSS Rep: Travis Freeland
- TSSU Rep: Shea Henry
- 2nd TSSU Rep: Melissa Roth
- Department Rep: Elizabeth Peterson
- Space: Sarah Carr-Locke
- Raffle: Sarah Oas

Seminar Series Organizing Committee

**2011**
- Mark Collard
- Bethany Mathews

**2012**
- Sarah Carr-Locke
- Julia Jackley
- Dana Lepofsky
- Antonia Rodrigues

Library Committee Representative

**2011**
- Dana Lepofsky

**2012**
- Ross Jamieson
Staff Profiles

Merrill Farmer (BA, SFU)
Graduate Programme Assistant & Secretary to the Chair

Merrill Farmer joined the department in 2007 after graduating from Simon Fraser University with a Bachelor of Arts degree in Political Science. Her main interests included international war and peace studies. Merrill’s main roles as Graduate Programme Assistant & Secretary to the Chair include graduate admissions, awards and advising, as well as assisting with tenures, promotions and faculty liaising. Merrill takes pride in working in the University environment and aiding in the success of students.

Peter Locher (MA, SFU)
Laboratory Technician

In the position of Laboratory Technician, Peter is responsible for all technical aspects of the Department's teaching/research laboratories and collections, computing operations, and the maintenance of laboratory and field equipment. Peter received an MA from SFU in 2006. His specialization is Geoarchaeology and BC prehistoric archaeology.

Chris Papaianni (BA, SFU)
Manager & Academic Advisor

The budgetary side of Chris’ position involves managing the departmental operating budgets, providing administrative support for research and specific purpose budgets. Chris develops and proposes the department’s instructional and teaching assistant budgets for the Chair’s approval and manages their execution. Chris also manages departmental undergraduate activities, by providing academic advising support to prospective and registered undergraduate students, participating as a member of the undergraduate curriculum committee, creating and monitoring the undergraduate semestery course schedules, developing and participating in long-range course planning, and monitoring course enrollments.

Laura Walker (BA, SFU)
Undergraduate Programme Assistant & Budget Clerk

Laura graduated from Simon Fraser University in 2005 with a BA in Archaeology and has worked at SFU since 2006. Some of her duties as the Undergraduate Programme Assistant & Budget Clerk include: ordering textbooks; collecting and disseminating course outlines; processing financial paperwork; account reconciliation; and various other tasks to assist undergraduate students and the Department of Archaeology team.

Barbara Winter (PhD, SFU)
Curator, SFU Museum of Archaeology and Ethnology

I have been directing the Museum of Archaeology and Ethnology since 1990, and have developed the museum collections through actively seeking donations of photographic images and objects relating to archaeology and ethnology around the world. I have focused a great deal of attention on the Museum’s web site through a series of Virtual Museum of Canada sponsored projects that have each involved up to 70 researchers, writers, designers, programmers, videographers, photographers and translators, providing opportunities for student employment. These sites have won major international educational and design awards. During this time I have managed the renovation and renewal of the museum exhibit galleries.

I teach courses in Ancient Visual Art, Archaeological Conservation, Archaeological Collections Management and group directed study courses in exhibit design on an on-going basis. Graduates of these courses are employed in permanent, professional positions in museums throughout BC and beyond.

During the report period I was a Consulting Editor for ‘Dig’, published in partnership with Archaeology Magazine, and served on Sarah Carr-Locke’s graduate committee.

Shannon Wood (MA, SFU)
Manager, Archaeology Laboratories & Curator, Research Collections

Shannon earned a BA, High Honours, in Anthropology from the University of Saskatchewan in 1984, and completed her MA in Archaeology at SFU in 1992. Her thesis was entitled: Tooth wear and the sexual division of labour in an Inuit population.
In an impressive research record spanning more than 40 years, Brian Hayden has made original contributions to some of the most long-standing questions posed by social scientists: what are the origins of human society; why did people develop agriculture; and, how do socially complex societies emerge? In his contributions to these questions, Hayden has undertaken archaeological and ethnographic investigations in Canada, Central America, France, southeast Asia, the Pacific and Australia. This interplay between fieldwork and theory is characteristic of his entire academic career.

A fundamental question in understanding human sociality concerns its biological basis. Some scholars have argued that many human behaviours (such as art, language, abstract thinking) could not occur until people with modern brain structures evolved. Hayden disputes this biological determinism, arguing that the wide range of social behaviours, that first appear clearly in archaeological sites about 30,000 years ago and flourish after 10,000 years ago, resulted from human responses to new pressures and opportunities and not from the physical evolution of new brain structures. To support this claim, Hayden undertook a substantial review of the cultural capacities of Neanderthals, who preceded anatomically modern people in Eurasia. Published in 1993, this prescient study demonstrated that Neanderthals possessed the capacity for modern behaviour, but that there were insufficient selective pressures to make such behaviours common. Since then, archaeological finds and analyses have shown that pre-modern humans were capable of what we think of as modern behaviours at least 100,000 years before those behaviours became commonplace. Hayden continues to write on this theme.

Hayden’s work since the early 1990s has focused on two other questions. First, why did some societies become socially complex, evolving institutions such as chiefdoms or states? Second, why did agriculture, the economic foundation of most social complexity, develop? Hayden considers the answers to these questions to be closely linked.

Building on work begun in the 1980s, Hayden has studied “transegalitarian” societies – those that are not egalitarian but do not have clearly institutionalized hierarchical social structures. Transegalitarian societies are well represented in the archaeological record, and in numerous village-based tribal societies around the modern world. Hayden has tackled the origin of social complexity by studying these groups through archaeology, ethnography, and cross-cultural studies.

Hayden has grounded his wide-ranging theoretical studies in a long-term archaeological project on the interior plateau of British Columbia, where he has focused on the excavation of a village site inhabited for thousands of years by transegalitarian hunter-gatherers, whose social complexity was based on surpluses of salmon. His work at Keatley Creek has examined how archaeologists can translate empirical, material evidence
into statements about social and economic organization in societies that were neither egalitarian hunter-gatherer bands nor fully-fledged hierarchical chiefdoms.

In summary, Hayden has advanced our understanding of the origins of social complexity through studies of archaeological data and modern societies, through careful cross-cultural analysis, and through the development of powerful theory that other archaeologists have been able to evaluate empirically. He has changed our view of how egalitarian and transegalitarian societies operate, and has focused attention on the role of individual ambition as a force that leads to social and economic transformations. His long-term development of important hypotheses about the emergence of fundamental human behaviour has been widely disseminated, stimulating and controversial.

Mark Skinner

Mark Skinner retired in 2011 becoming Professor Emeritus in the Department of Archaeology, Simon Fraser University. Subsequently, he took his beloved digital microscope to the University of York in the United Kingdom where he is an Honorary Visiting Professor in the Department of Archaeology. He is extending his studies of linear enamel hypoplasia from chimpanzees in West Africa to orangutans in Malesia. He is currently looking at comparative episodic stress in Bornean and Sumatran orangutans. He continues to consult in forensic anthropology especially to families and the UBC Innocence Project. His future research includes developing a pig model to understand enamel hypoplasia in human milk teeth.
SFU has long been recognised as a center of excellence in Canada for graduate training in archaeology and biological anthropology. The diversity of faculty research interests and the availability of state-of-the-art laboratory facilities have enabled graduate students to explore their academic interests using a wide range of methodologies in different geographical regions. By the end of December 2012, there were 29 PhD students and 28 MA students enrolled in our graduate programme. Between 2011 and 2012, one PhD and 13 MA students successfully completed their thesis studies.

While we are still facing challenges to secure multi-year funding for our students, in 2011-12 the graduate student funding situation improved significantly. During this period, four of our graduate students received SFU’s prestigious C.D. Nelson Entrance Scholarship. In addition greater numbers of our Canadian graduate students have received Canadian Government Scholarships from SSHRC in 2011-12, including seven MA and four PhD students. Our international doctoral students also have been highly successful in attracting multi-year external funding from the Wenner-Gren Foundation and the Government of Ecuador.

In 2011-12, our graduate programme underwent a major review which resulted in significant modifications to ensure our students successfully complete their requirements in a timely manner. These included:

1. A new format of PhD comprehensive examinations was introduced to replace written examinations. The new exam combines writing three review papers (Statements of Field) followed by an oral examination of the statements. It creates a new mechanism for students to work closely with faculty to develop sufficient breadth and depth in their degree studies.

2. A new format of progress review for graduate students was tested, revised and implemented in 2013. The new system encourages students and faculty to work more closely with each other to develop achievable milestones to facilitate their progress.

3. Additional internal funds were allocated into the “Travel and Minor Research Awards” to encourage graduate students to present their studies at national and international conferences. Each student may receive up to $1000 (PhD) or $800 (MA) to help cover conference expenses. This has resulted in a better representation of our graduate work at local and international conferences.

Our recent graduates have had continued success at securing employment with local consulting companies as well as teaching positions at colleges and universities. We hope that our student success will continue and that the changes made in our programme will have an overall positive effect on our students and the department.

Dongya Yang
Graduate Programme Chair
Graduate Degrees Awarded

2011 Doctor of Philosophy
Ursula Arndt  Ancient DNA Analysis of North East Pacific Humpback Whale (*Megaptera novaeangliae*)
Senior Supervisor: Dr. Dongya Yang

2011 Master of Arts
Kristina Hannis  On the Edge of Change: Shifting Land Use in the Piikani Timber Limit, Porcupine Hills, Alberta
Senior Supervisor: Dr. Eldon Yellowhorn

Julia Jackley  Weaving the Histories of Klehkwahnnohm: A Tla’amin Community in Southwest British Columbia
Senior Supervisor: Dr. Dana Lepofsky

Kathleen LeBlanc  Ceramic Ethnoarchaeology in Fiji: The Role of Social Processes in Ceramic Diversity
Senior Supervisor: Dr. David Burley

Jason Moore  Comparative Study of Ancient DNA Extraction Methods for Archaeological Plant Remains
Senior Supervisor: Dr. Dongya Yang

Alana Peters  The Real Wild West: The Archaeology and History of the ‘Casa Grande’
Senior Supervisor: Dr. Ross Jamieson

Nova Pierson  Bridging Troubled Waters: Zooarchaeology and Marine Conservation on Burrard Inlet, Southwest British Columbia
Senior Supervisor: Dr. Dana Lepofsky

April Ruttle  Risk and Technology: Exploring the Causes of Toolkit Variation Among Subsistence Farmers
Senior Supervisor: Dr. Mark Collard

Simon Solomon  Shattered Glass and Broken Bones: Piikani Domestic Space 1880-1960
Senior Supervisor: Dr. Eldon Yellowhorn

2012 Master of Arts
Daniela Balanzategui  Colonial Indigenous and Mastizo Foodways: Ceramic Analysis and Ethnoarchaeology in the Highlands of Ecuador
Senior Supervisor: Dr. Ross Jamieson

Mairi Capper  Urban Subsistence in the Bronze and Iron Ages: The Palaeoethnobotany of Tell Tayinat, Turkey
Senior Supervisor: Dr. Catherine D’Andrea

Sandie Dielissen  Teaching a School to Talk: Archaeology of the Queen Victoria Jubilee Home for Indian Children
Senior Supervisor: Dr. Eldon Yellowhorn

Antonia Rodrigues  Experimental Investigation into the Preservation and Recovery of Degraded DNA from Sediments
Senior Supervisor: Dr. Dongya Yang

Lia Tarle  Clothing and the Replacement of Neanderthals by Modern Humans
Senior Supervisor: Dr. Mark Collard
### Graduate Students

#### PhD Students
- Fernando Astudillo  
  Supervisor: Dr. Ross Jamieson  
- Daniela Balanzategui  
  Supervisor: Dr. Ross Jamieson  
- Chris Carleton  
  Supervisor: Dr. Mark Collard  
- Sarah Carr-Locke  
  Supervisor: Dr. George Nicholas  
- Diane Cockle  
  Supervisor: Dr. Lynne Bell  
- Alan Cross  
  Supervisor: Dr. Mark Collard  
- Mana Dembo  
  Supervisor: Dr. Mark Collard  
- Sandie Dielissen  
  Supervisor: Dr. Eldon Yellowhorn  
- Marina Elliott  
  Supervisor: Dr. Mark Collard  
- Mariane Gaudreau  
  Supervisor: Dr. George Nicholas  
- Shea Henry  
  Supervisor: Dr. David Burley  
- Julia Jackley  
  Supervisor: Dr. Ross Jamieson  
- Jennifer Jones  
  Supervisor: Dr. Ross Jamieson  
- Michael Klassen  
  Supervisor: Dr. Eldon Yellowhorn  
- Kathleen LeBlanc  
  Supervisor: Dr. David Burley  
- Jennifer Lewis  
  Supervisor: Dr. John Welch  
- Luseadra McKerracher  
  Supervisor: Dr. Mark Collard  
- Elizabeth Peterson  
  Supervisor: Dr. George Nicholas  
- Brianne Phaff  
  Supervisor: Dr. David Burley  
- Antonia Rodrigues  
  Supervisor: Dr. Dongya Yang  
- Craig Rust  
  Supervisor: Dr. John Welch  
- April Ruttle  
  Supervisor: Dr. Mark Collard  
- Audrey Scott  
  Supervisor: Dr. Pablo Nepomnaschy  
- Chris Springer  
  Supervisor: Dr. Dana Lepofsky  
- Habtamu Taddesse  
  Supervisor: Dr. Catherine D'Andrea  
- Lia Tarle  
  Supervisor: Dr. Mark Collard  
- Grace Hua Zhang  
  Supervisor: Dr. Dongya Yang

#### Masters Students
- Ruth Aloua  
  Supervisor: Dr. John Welch  
- Amelia Barker  
  Supervisor: Dr. Mark Collard  
- Emily Benson  
  Supervisor: Dr. George Nicholas  
- Nyra Chalmer  
  Supervisor: Dr. Dana Lepofsky  
- Laurie Darcus  
  Supervisor: Dr. Catherine D'Andrea  
- Travis Freeland  
  Supervisor: Dr. David Burley  
- Annique-Elise Goode  
  Supervisor: Dr. George Nicholas  
- Jenifer Gustavsen  
  Supervisor: Dr. Mark Collard  
- Cara Halseth  
  Supervisor: Dr. Dongya Yang  
- Evan Hardy  
  Supervisor: Dr. Dongya Yang  
- Erin Hogg  
  Supervisor: Dr. John Welch  
- Kody Huard  
  Supervisor: Dr. David Burley  
- Michelle Lynch  
  Supervisor: Dr. David Burley  
- Bethany Mathews  
  Supervisor: Dr. George Nicholas  
- Sarah Oas  
  Supervisor: Dr. Catherine D'Andrea  
- Alexis Ohman  
  Supervisor: Dr. Catherine D'Andrea  
- Michelle Puckett  
  Supervisor: Dr. Dana Lepofsky  
- Melissa Roth  
  Supervisor: Dr. Dongya Yang  
- Thomas Royle  
  Supervisor: Dr. Dongya Yang  
- Ian Sellers  
  Supervisor: Dr. Ross Jamieson  
- Elizabeth Velliky  
  Supervisor: Dr. Rudy Reimer  
- Louise Williams  
  Supervisor: Dr. Dana Lepofsky  
- Kasia Zimmerman  
  Supervisor: Dr. Dongya Yang

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*MA Student Sarah Oas, Ethiopia MEZBER 2012*

*PhD Student Sarah Carr-Locke*
GRADUATE DEPARTMENTAL AND EXTERNAL AWARDS

EXTERNAL AWARDS

CGS Michael Smith Foreign Study Supplement (SSHRC)  
Jennifer Jones

Society for American Archaeology Award  
Simon Solomon

SENESCYT-HECE Scholarship Beca Convocatoria Abierta Senesyc Primera Fase  
Daniela Balanzategui  
Fernando Astudillo

Social Sciences and Humanities Research Council of Canada (SSHRC) – Joseph Armand Bombardier Doctoral Awards  
Kathleen LeBlanc  
Chris Carleton  
Mariane Gaudreau  
April Ruttle

Social Sciences and Humanities Research Council of Canada (SSHRC) – Joseph Armand Bombardier Masters Awards  
Laurie Darcus  
Travis Freeland  
Cara Halseth  
Misha Puckett  
Antonia Rodrigues  
Lia Tarle  
Kasia Zimmerman

Wadsworth International Fellowship, Wenner-Gren Foundation, USA  
Habtamu Taddesse

SFU ADMINISTERED AWARDS

Alexia Sepideh Kiaii Archaeology Graduate Scholarship  
Alexis Ohman

Canadian Pacific Teck Resources Award for Environmental Innovation  
Antonia Rodrigues

C.D. Nelson Graduate Entrance Scholarship  
Mariane Gaudreau  
Alexandra Kruse (2)  
Kathleen LeBlanc (4)  
Thomas Royle

Community Trust Endowment Funds (CTEF) Doctoral Graduate Fellowship in Humanities  
Alan Cross  
Julia Jackley  
April Ruttle

Dr. J.V. Christensen Graduate Scholarship  
Daniela Balanzategui  
Sarah Carr-Locke  
Kathleen LeBlanc

Graduate International Research Travel Award  
Lia Tarle

Graduate International Scholarship  
Sarah Oas

Pacific Century Scholarship  
Lia Tarle  
Chris Springer

Provost’s Prize of Distinction  
Chris Carleton (4)  
Nyra Chalmer (2)  
Laurie Darcus  
Travis Freeland (3)  
Cara Halseth (3)  
Kathleen LeBlanc (3)  
Chris Springer (3)

Special Graduate Entrance Scholarship  
Emily Benson  
Travis Freeland  
Sarah Oas  
Elizabeth Peterson  
Thomas Royle
Department of Archaeology Administered Awards

SFU Graduate Fellowship
  Ruth Rebecca Aloua (MA)
  Daniela Balanzategui (MA, PhD)
  Amelia Barker (MA)
  Sarah Carr-Locke (PhD)
  Nyra Chalmer (MA)
  Mana Dembo (PhD)
  Jenifer Gustavsen (MA)
  Cara Halseth (MA)
  Shea Henry (PhD)
  Alexandra Kruse (MA)
  Jennifer Lewis (PhD)
  Michelle Lynch (MA)
  Bethany Mathews (MA)
  Jason Moore (MA)
  Sarah Oas (MA)
  Alexis Ohman (MA)
  Melissa Roth (MA)
  Craig Rust (PhD)
  Ian Sellers (MA)
  Lia Tarle (PhD)
  Elizabeth Velliky (MA)
  Louise Williams (MA)

Dr. Jack Nance Memorial Graduate Scholarship in Archaeology
  Sarah Carr-Locke
  Bethany Mathews
  Antonia Rodrigues

Roy L. Carlson Graduate Scholarship in Prehistoric British Columbia Archaeology
  Elizabeth Velliky
  Louise Williams

Graduate Student Caucus Report

The Archaeology Graduate Student Caucus (AGSC) is an organized body of the current graduate students of the Department of Archaeology. Our core mission is to administer revenue generated through graduate student fees and through weekly fundraising raffles/events to our caucus members. The AGSC is comprised of an executive, several representatives that liaise with other administrative bodies, and assorted committees that organize events for and allocate space to our members.

During the 2011-2012 and 2012-13 academic years, we fulfilled our mandate with regard to the administration of our available funds. We reorganized the spending of our funds by the discontinuation of the unwanted filtered water in the Grad Lab. We have also extended our efforts in raising funds by conducting an ongoing bake sale at the weekly seminar series for the Archaeology department where each member of the AGSC takes turns in providing the baked goods that are sold. Regarding the supplying of funds, AGSC has reimbursed more than a dozen students for costs associated with conference and/or research-related travel. Additionally, AGSC contributed financially to the organization of the 2011 undergraduate Archaeology Student Society social.

We are all looking forward to the upcoming academic year and are optimistic that the 2013-2014 cohort of graduate students will provide fresh enthusiasm and integrity to the AGSC community.

Elizabeth Peterson
AGSC Department Representative
Archaeology department undergraduate enrollments remained relatively stable throughout 2011-2012, with total enrollments of 3220 in 2011 and 3204 in 2012. However, the number of archaeology majors rose substantially during the same period, from 146 in Fall 2011 to 183 in Fall 2012. The increase in majors may have been, in part, due to our move to the Faculty of Environment, where students have direct entry into their majors at the start of their programme rather than during their second year in the Faculty of Arts and Social Sciences. Enrollment in our Certificate in Cultural Resource Management program also increased from 19 to 29 declared students during this period. This programme has proven to be very popular, with 41 students having earned the credential since its inception in Fall 2009.

A major restructuring of the undergraduate programme curriculum and degree requirements, developed in 2010, was approved by Senate and undertaken in 2011. These changes primarily involved reorganizing our upper level course requirements under three thematic categories: Environmental Archaeology, Biological Anthropology and Topical Courses. The changes were made in an effort to better reflect the strengths and structure of our department/programme, which had undergone a number of faculty changes during the preceding four years as well as to improve integration of our programme with the objectives of the Faculty of Environment at SFU.

Bob Muir
Undergraduate Committee Chair

Chris Papaianni
Manager & Academic Advisor
Honours Theses Completed

Spring 2011

Chelsey Armstrong | The Tree of Life: Garry Oak Ecosystems and Ancient DNA  
Supervisor: Dr. Dongya Yang

Andrea Logan | Understanding Conflict on the Canadian Plateau: A Study of Intra- and Inter-Group Relations Within and Between Aboriginal Societies in the Pre-Contact and Historic Period  
Supervisor: Dr. George Nicholas

Anna Shoemaker | An Archaeobotanical Analysis of the Role of Oil Palm (*Elaeis guineensis* Jacq.) and Incense Tree (*Canarium schweinfurthii*) at Bosumpra Cave, Ghana  
Supervisor: Dr. Catherine D’Andrea

Fall 2011

Brigit Burbank | Sex Estimation using the Temporal Bone: Review of the Lateral Angle Method  
Supervisor: Dr. Deborah Merrett

Spring 2012

Sarah Brooks | The Meaning Behind the Bone: A Population Analysis of *Cribra Orbitalia*  
Supervisor: Dr. Deborah Merrett

Tyrone Hamilton | Visual and Geochemical Analysis of Dacite Lithic Artifacts from the Squamish Region  
Supervisor: Dr. Rudy Reimer

Katie Hausch | Unauthorized Heritage Site Alteration in British Columbia: Criminal Intent or Ignorance?  
Supervisor: Dr. John Welch

Kody Huard | Toki: An Analysis of Tongan Adzes  
Supervisor: Dr. David Burley

Fall 2012

Jeffrey Nelson | Assessment of Nutritional Deficiency in the Skeletal Assemblage of Seh Gabi  
Supervisor: Dr. Deborah Merrett
Undergraduate Awards and Prizes

Ingrid Nystrom Archaeology Award

2011/2012  Aleesha Bakkelund
2012/2013  Matthew Go

Brian Williamson Memorial Award in Archaeology

2011/2012  Kristen McLaughlin
2012/2013  Melissa Scott

Jack Nance Memorial Essay Prize

2011/2012  Alexa Walker  Indigenous Egyptology: How the Egyptian People Reclaimed their Cultural Heritage
2012/2013  Eric Simons  A Chorus in A(sia) Minor: Multivocality in Practice at Çatalhöyük

Chair’s Essay Prize

2011/2012  Laurel Berg  Getting Beyond the Minutiae: A Critique of the Major Contributions of Anthropologist Julian Steward to the New Archaeology Movement
2012/2013  Jordan Handley  Origins of Microblade Technology

Students learn flint knapping  Developing x-rays
The Archaeology Student Society (A.S.S) was active during the last academic year. During the Fall 2012 semester the A.S.S held several meetings and introduced an almost entirely new executive. One of the highlights of this semester was the Museum Meet and Greet, which was held on October 17, 2012. This event fostered communication between faculty, graduate students, and undergraduates. The A.S.S continued to host archaeology movie nights as well as student pub nights to maintain and build the archaeology student community. We also created a petition and sent letters to the Simon Fraser Student Society (SFSS) executive in order to reinstate conference funding for all students. This arose when the A.S.S was denied funding to send a group of students to the 2012 Canadian Association for Physical Anthropology (CAPA) conference in Victoria, B.C. Although this received little attention during the Fall semester it was discussed by the SFSS in a March 2013 meeting, and it is expected that conference funding will be returned to students with a re-evaluated system.

The A.S.S. continued to produce *The Debitage*, which has been very successful. Special thanks to the Editors (Nyomi Sherwin and Chelsea Muirhead) and the many contributors.

In the next year it is expected that the A.S.S will continue the events that are enjoyed by both faculty and students, such as the Meet and Greet, and will make further progress in fostering academic and personal relationships for all students. It is also the intention of the A.S.S to continue to distribute *The Debitage* as well as provide the means for student concerns to be addressed to the appropriate parties. Planning is also underway to make a new welcome and orientation day for new and returning students. It is expected that this will be a barbeque that will take place within the first week of the Fall semester. This will hopefully be used to showcase what archaeology students are doing and to increase outside student interest in archaeology to both enlist new students and gain support for the concerns of our community.

I would like to thank the Archaeology Department for all their contributions to the A.S.S over the last year and the wonderful team of executives, without whom none of the achievements of our student society would have been possible.

Michael Elvidge  
A.S.S President

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**Undergraduate Courses Offered**

**Spring 2011**

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<td>Ancient Peoples and Places</td>
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<td>Ross Jamieson</td>
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<td>Catherine D’Andrea</td>
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<td>Eldon Yellowhorn</td>
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<td>Special Topics in Archaeology I: Native Cultures of North America</td>
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<td>Alan Reimer</td>
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<td>Deborah Merrett</td>
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<td>Management of Archaeological Collections</td>
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FIELD SCHOOLS

Summer 2011
Cochrane Bay, Sunshine Coast, BC
Field Director: Bob Muir

Fall 2011
Kefalonia, Greece
Field Director: Geoffrey Schmalz

Summer 2012
Sigatoka Sand Dunes, Viti Levu, Fiji
Field Director: David Burley

Fall 2012
Kefalonia, Greece
Field Director: Andonis Vasilakis

PhD student Chris Springer taking a break from field work
In the summer of 2011 our local B.C. field school was once again held on the Sunshine Coast. This was the fourth year of research done in collaboration with the Tla’amin First Nation as part of a multi-year research program in Archaeology and Heritage Stewardship (co-lead by Drs. John Welch and Dana Lepofsky). The overall goal of the research program is to conduct archaeological and heritage research that is meaningful to and driven by Tla’amin community needs and desires. This collaborative project has focused on a comprehensive study of Tla’amin history through integrating archaeological evidence, traditional knowledge and archival materials. Since the project’s inception, this approach has continued to create opportunities for community engagement, information sharing and fostering mutually-beneficial partnerships between Tla’amin and SFU communities and beyond. In addition to contributing to the development of a research strategy, the Tla’amin Nation also generously provided support in the form of equipment, housing, and knowledgable field researchers throughout the course of the field season.

The 2011 field school component focussed on archaeological excavation of the Cochrane Bay site, and was directed by Dr. Bob Muir and Nyra Chalmer (SFU graduate student). The Cochrane Bay site is a pre-contact residential site situated in Malaspina Inlet, North of Powell River. The information collected during excavations of Cochrane Bay will form the basis of Nyra’s MA thesis. Twelve SFU undergraduates participated in the program and despite a distinct lack of sunshine, managed to contribute to an exceptionally productive and enjoyable field season. In addition to the excavations at Cochrane Bay the students also had the opportunity to contribute to other aspects of the overall research project including a regional inventory of archaeological sites (directed by SFU PhD student Chris Springer); the mapping and investigation of intertidal fish traps (directed by University of Alberta PhD student and SFU alumna Megan Caldwell); and contributed to the Willingdon Beach Park, Aboriginal Day celebrations where they presented information about archaeology, artifacts, stone tool manufacturing and intertidal fish traps to children from throughout the Powell River School District.
The 10th SFU South Pacific archaeological field school was held in the Republic of Fiji during the summer semester of 2012. Taught by David Burley, this is a joint undertaking between the Department of Archaeology and SFU International Programs. Fourteen students participated with graduate students Nyra Chalmer, Kathleen LeBlanc and Travis Freeland respectively serving as Laboratory Instructor, Assistant Field Supervisor and Field Laboratory Supervisor. Course offerings included ARCH 332-3 (Fiji Culture, History and Archaeology), ARCH 434-3 (Mapping and Recording) and ARCH 435-6 (Field Work Practicum) with initial lectures spread between SFU Burnaby and the University of South Pacific in Suva. While in Fiji students also spent time at Levuka, the former colonial capital on the island of Ovalau, Waidracia Village in the Natasiri highlands of Viti Levu, Colo i Suva Forest Park on the outskirts of Suva, and Tavuni Hill Fort on the Sigatoka River. The fieldwork practicum was conducted at the Sigatoka Sand Dunes National Park on the Coral Coast of Viti Levu, the largest island in Fiji.

The Sigatoka Sand Dunes are a parabolic dune field stretching from the mouth of the Sigatoka River westward along the coastal shore for a 5 km distance. As the dunes erode and move inland, archaeological materials are continually being exposed. The practicum course, thus, not only provides training and experience in archaeological field methods to the student group but also documents and undertakes rescue excavations in support of National Park heritage conservation efforts. All work is done in collaboration with the Archaeology Division of the Fiji Museum and the National Trust for Fiji, the latter being the government agency responsible for National Park administration. The principal focus for 2012 was a fifth field season of excavation at a site with superimposed village occupation floors, each characterized by a distinctive assemblage of mid-sequence (1300-1500 BP) Plainware and Navatu phase ceramics. A total area of 36 m² was excavated resulting in the recovery of tens of thousands of ceramic sherds and other materials. Students additionally carried out archaeological survey along the coastal margins and inland dune valleys of the National Park.

David Burley
TZANNATA LH SETTLEMENT PROJECT

The excavation, directed by Dr. Andonis Vasilakis, now Director Emeritus of the 35th Ephoreia of Antiquities of Kefalonia, took place in 2011 and 2012 at ‘Riza’ near the village Tzannata/Poros, in the SE part of the island of Kefallinia. Part of a LH settlement was discovered. The project was funded by the Society for Research of Prehistoric Kefalonia. SFU field school students participated in this project in the Fall semester of 2012.

A large apsidal-ovoid (or ellipsoid) building (Megaron A, in green) with 4 rooms of LH II B to LH III A2 date (1450-1300 BC) has been excavated. A paved road bordered by two long walls (in red) and a smaller apsidal building dated (in blue) to the LM III B-C period were also discovered, above the remains of the Megaron A. Five pure tile graves of the Late Roman period were also discovered to the east.

Room 1 of the ellipsoid megaron is in the south part of the structure. Half of the east part of the thick south round wall was totally destroyed by an olive tree and plowing, which went as deep as the bed rock. On its floor, which was of beaten earth, two small round stone built structures were used for pithoi. Two mud plastered pits/hearths were also discovered in the floor.

Room 2 is almost square and its east (exterior) and south walls are much destroyed. In its northeast angle ten river pebbles were discovered in situ, thus suggesting that the floor was paved. Much of the debris of this room, as was the case with Room A, was totally destroyed by plowing, thus only the destruction layer with the stones and the pottery beneath them was preserved intact. In the middle of the room close to the west wall, traces of wall of an earlier occupation were discovered.

Room 3 is the largest, the best preserved and the most complicated. Here the small apsidal building (Megaron B) was built after the destruction and abandonment of the large building (see bellow). Almost half of the room underlay the small apsidal building, and this makes its exploration very difficult. Only a small trial trench was made in the apse of the small building, uncovering the border of the western hearth and the traces of the southern separating wall. The excavation will continue here.

Room 4 was the last to be discovered and excavated in 2012. In its centre we left a square meter unexcavated to document the road. Of this room only the eastern part was completely excavated. The western part was left for the coming year. In the deepest layer traces of a wall from previous occupation of the site was discovered.

There is strong evidence - from remains of walls in all 3 rooms (but not in Room 1) and from pottery, collected from what seems to have been a deposit, on which the west and north part of the circular wall has been built - that these deep layers are dated to MH III and/or LH I (in brown). Main finds were: fine and coarse pottery of LH II and LH III periods, a boar tusk, many clay spindle weights, and a shaped triangular flint blade.

Andonis Vasilakis
Our Department’s complement of outstanding research, training and outreach facilities includes the SFU Museum of Archaeology and Ethnology. The Museum plays essential outreach, research, and training roles at SFU and serves as the repository for diverse collections, with substantial concentrations of materials from Latin America, North America’s Northwest Coast, and the Pacific Rim more generally.

The staff of the museum was effectively tripled in 2012 with the development and launch of the Research Associates programme. The programme is open to recent graduates, undergraduates and graduate-level students of all majors. All positions are project-oriented with the incumbents’ career and learning aspirations matched to the projects assigned. The programme allows research associates to relate theory to practice and gain practical experience in a field of interest. Projects can be completed in research, collections management, exhibit development and education. The museum welcomed Kira Baker, Duncan MacLeod, and Laura Termes into these positions.

Our new website ‘Investigating Forensics’ highlighting the research undertaken by the Centre for Forensic Research was completed and launched. The site features many high quality images and videos designed for instructional use in forensics classes. The site is built around an exercise in critical thinking, and was created in collaboration with the Centre for Forensic Research and The Critical Thinking Consortium. The curator also collaborated on the SFU Library’s website on the Komagata Maru Incident. This site was launched in 2012.

We continued the practice of engaging local communities by bringing museum exhibit design expertise to the small coastal community of Powell River, B.C., where students designed an archaeological exhibit in collaboration with Michele Washington of the Tla’amin Band and mounted a new exhibit in the Powell River Museum. Barbara Winter assisted the Eastern Tigray Archaeological project during 2011, working with ceramic collections from the site of Mezber. While in Ethiopia she presented three papers on museum development and conservation to a UNESCO sponsored conference of museum professionals, and advised several museums on conservation issues.

The museum received a donation of $100,000 for new exhibit cases which will improve our ability to exhibit fragile and environmentally sensitive objects. Barbara Winter and Duncan MacLeod have developed completely new gallery exhibits. A team of senior undergraduate students will be designing, developing and installing the exhibits during the summer of 2013.

We continue to build the collections of the museum through an active acquisitions and donation programme. Donations of objects received in 2011 and 2012 include terracotta and stone oil lamps from the Mediterranean and Levant. Other notable donations include two groups of objects from Ethiopia, one of mixed ethnographic materials dating from the 1950s and early 1960s, the other of recent domestic handmade ceramics.

The archival collection is being actively developed through donation and ongoing collection management. We are
developing the SFU collection to document archaeological sites in their recent and current state of conservation and interpretation, the practice of archaeology in the present and recent past, ethnographic diversity in an increasingly globalized world, and objects of material culture. These images are used in instruction in the department, in web and gallery based exhibits and limited rights to use of the images are sold to publishers and documentary filmmakers, providing a small revenue stream for the museum. Images from the forensics website were published in ‘Archeothema’, an archaeology magazine in France, and several children’s science magazines, with royalties going into the museum equipment purchase fund. In the last two years we have received images from North America, Africa and Papua New Guinea. Students digitize and catalogue and database the images, developing web and gallery exhibits.

Barbara Winter
Museum Curator

Duncan MacLeod, 2012/13 Research Associate Curator of Archaeology, Research and Collections Care and Management

The Centre for Forensic Research (CFR) is an interdisciplinary research program at SFU that was formed in 2007 with a mandate to create new knowledge in the forensic sciences for the purposes of solving crimes, identifying human remains, determining elapsed time since death and in investigating circumstances of death on local and global scales. The Centre serves the research and day-to-day needs of law enforcement and death investigation agencies nationally and provincially. The Centre is housed in the north wing of the Saywell Hall Building with state-of-the-art laboratories, providing an excellent environment for research and graduate student training.

The Centre was originally composed of five core faculty members: Dr. Mark Skinner (retired in 2011) and Dr. Dongya Yang from the Department of Archaeology, Dr. Gail Anderson and Dr. Lynne Bell from the School of Criminology, and Dr. Rolf Mathewes from the Department of Biological Sciences. Both Dr. Anderson and Dr. Yang served as the co-directors in 2011-12 while Andrew Barton continues to be the operations manager of the Centre.

The Centre has provided forensic anthropology, forensic archaeology and forensic DNA services to both BC Coroner’s Service and the RCMP. The capacity of this service was significantly affected by the retirement of Dr. Skinner in 2011. Fortunately, Dr. Ana Boza-Arlotti, Research Associate of the CFR and adjunct faculty in the Department of Archeology took on the role of forensic anthropologist left by Dr. Skinner. Through her exemplary work on many cases, Dr. Boza-Arlotti was able to sustain the services provided by the CFR with the assistance of Dr. Deborah Merrett, another adjunct faculty member in forensic anthropology from the Department of Archaeology. In addition, Dr. Yang and his graduate students were involved in individual identification of cold cases using ancient DNA methods. Graduate student Antonia Rodrigues received a research grant (C. Stevens Wildlife Award) to develop DNA-based techniques for specific identifications of processed pangolins products.

Forensic DNA research in the CFR has used animals as proxies in controlled experiments to study molecular taphonomy, DNA degradation in bones, teeth and soils. Dr. Yang’s group is developing DNA identification methods for human skeletal remains, animal and plant materials for forensic and wildlife investigations. On-going and completed DNA projects include
those aiming to develop optimal techniques for the recovery of DNA from historic envelopes, dry corals, and furs.

In 2011 and 2012, the CFR made significant efforts to develop a wildlife forensics program in collaboration with the World Wildlife Fund Canada (WWF), TRAFFIC, and the Pacific Environmental Science Centre of Environment Canada. The program aims to incorporate morphology- and DNA-based methods for the identification of endangered and threatened species from modified and processed animal and plant materials to stop illegal trading of the protected species.

By the end of 2012, the Department of Archaeology hired a new faculty member, Dr. Hugo Cardoso who has extensive expertise in human osteology and forensic anthropology. Dr. Cardoso will join the Centre as a faculty replacement for Dr. Mark Skinner. With his involvement, it can be expected that the capacity of research, service and graduate training of the CFR will be dramatically increased and significantly enhanced.

Dongya Yang
CFR Co-Director

ARCHAEOLOGY LABORATORIES

The Archaeology Laboratories support laboratory classes, field and research projects; acquire and maintain laboratory and field equipment; act as local network administrators; maintain department laboratories; and curate the department’s teaching and research collections. Currently the Laboratories are staffed by Shannon Wood, Manager, and Peter Locher, Technician.

In 2011-2012, laboratory staff supported 24 laboratory classes, two field schools and approximately 50 field and laboratory projects led by faculty, graduate and undergraduate students, and visiting researchers. Fourteen work-study students and two volunteers have been supervised on various projects, including work in the zooarchaeology collection, the historic collection, photography collection, the C14 database and osteology. Department Teaching and Reference collections and Excavation level materials are being stored and maintained on an ongoing basis.

A number of renovations occurred during this period. Security for the Museum back hallway was increased with the installation of a new door to its eastern end and a card reader system. Security was also upgraded in the 8000 level laboratory hallway in light of a break-in in the summer of 2011. Further options for security in this area were investigated in 2012 and installation of these options is scheduled for 2013. Security was also increased in the General Office, which underwent renovations in late 2011 and early 2012 to decrease access to the area. This was accomplished by moving the front counter, with its old, insecure shutter system and mailboxes, behind a lockable door off the main hallway.

Smaller projects included the repair of skylights in EDB 8617B, the installation of a SANTIS alarm system for computers in the Computer Lab and initial attempts to mitigate ventilation noise in some of the laboratories in Saywell Hall. This project will continue into 2013.

In the spring of 2012, the Archaeology Trailer was transferred to Biology and the faunal material stored within it was reboxed and transferred to other department storage. One of the Chemistry lab groups were temporarily housed in SWH 9126 and SWH 9121.1 while renovations to their laboratories were completed. Laboratory staff assisted in several research laboratory and faculty office moves.
In the spring of 2011 the radiography lab was surveyed for radiation leakage. The lab was found to be safe. In the summer of 2011, the laboratories underwent an audit by Environmental Health and Safety. As a result laboratory staff have created laboratory-specific safety guidelines for all the labs and furnished them with binders of safety protocols and MSDS information. The weekly laboratory walk-through has been formalized with a safety check list. Laboratory staff also created a pandemic plan for the laboratories in the fall of 2011 and revised the Flaking Pit policy. In the fall of 2012 the department took advantage of a University shelving restraint program designed to increase safety during an earthquake.

SWH 9131 is certified each year for the storage and processing of imported soil samples. In the summer of 2012, the Department received a soil importation permit. Chemical storage, spill-kits, and hazard door-signage are maintained throughout the year.

With the assistance of Laura Walker, laboratory staff moved the Department webpages from SmartTemplates to the University supported CQ program. Staff also oversaw the transition to the Trend antivirus software and new requirements for some software downloads. Staff continue to support all department members with computing related operations and trouble-shooting issues and attend the regular meetings of the university-wide Local Area Network administrator group. During this time period three highly successful repatriations were carried out. Individuals were returned to the Penelakut, Tk’emlups and Heiltsuk First Nations. The largest of these repatriations was the return of the Namu individuals to the Heiltsuk, an event that was marked by a ceremony in the fall of 2011. Laboratory staff were heavily involved in the logistical support for this event. Laboratory staff continue to work on an anticipated repatriation to Tsawwassen and Tla’Amin.

In late 2012, the Archaeology Laboratories entered into an agreement with the Provincial Archaeology Branch and Coroner’s service whereby the Archaeology Laboratories agreed to store human remains that were either unprovenienced, or were not able to be repatriated due to conflict between neighbouring groups. The Archaeology Branch will work to resolve these disputes, upon which the individuals will be returned. Unprovenienced materials will be used for teaching purposes.

The loss of the Department van in an accident in November, 2011 was somewhat mitigated by the Department’s participation in the lease of a vehicle by the Faculty of Environment. Laboratory staff have also been working with Risk Management for the certification of all marine vessels.

Partially aided by the insurance payout for the van, the following major purchases were made: primate and paleontological casts, pathology casts, small microscopes, a motorized photography system for the Leica microscope, a studio photography camera with macro lens, a rugged laptop and a Trimble GPS system. Earth Science donated a semi-automated x-ray development machine in spring of 2011 and in the fall of 2012 the Department traded a cast articulated human skeleton for a real articulated human skeleton from a local high school.

The University provided funding for the purchase of a portable XRF machine. Laboratory staff arranged training for this instrument and are creating policies and protocols for its use.

Laboratory staff took part in the Department Retreat and External Review and the recent hiring of two new faculty members. Laboratory staff have also participated in a number of outreach programs, including laboratory tours for elementary, high school and university students, the SFU Open House and Geek Week. A tour of the radiographic facility is given once each semester as part of the Radiation Safety Program. Archaeological equipment, primarily the sandboxes, has been loaned to University Highlands Elementary for their yearly carnival.

Shannon Wood
Manager, Archaeology Laboratories & Curator, Research Collections
Administrative Services

Administrative Services, staffed by Chris Papaianni, Merrill Farmer, and Laura Walker, provides support to departmental faculty, staff, graduate and undergraduate students, liaises with all areas of the university, and provides information to the general public. Administrative staff are responsible for the mounting and delivery of the academic course schedule, the management and execution of the temporary instruction and non-salary operating budgets, the facilitation of faculty grant expenditures, providing academic advising, assisting with committee work and program development, initiating and processing departmental employment contracts, the development and participation in university recruitment events, as well as organizing departmental events.

The Department’s move to the Faculty of Environment in April 2011 necessitated changes to various university systems. Administrative staff facilitated the migration of student records pertaining to Archaeology programs to their home within the new faculty. Students were notified and supported through this transition via academic and e-mail advising. The move also required staff to facilitate in the budget transfer of all salary and non-salary operating, research and special purpose budgets to new cost centres.

In 2011-2012 administrative staff supported the delivery of 181 undergraduate and graduate courses, the registration of approximately 6800 students, creating and mounting the semesterly course schedules, managing enrollments and waitlists, ordering textbooks, providing academic advising for program and degree completion, defence scheduling, and final grade submission. There were a total of 141 Archaeology degrees and certificates awarded during this period.

Administrative staff created, processed, and managed approximately 200 employment contracts, including all departmental Limited Term, Teaching Assistant, Sessional Instructor, Work Study, and Research Assistant contracts. Staff also provided financial support to department and faculty research grants through the processing of invoices, independent contractor agreements, and travel and business expense claims, as well as facilitating over $300,000 in graduate student financial support.

In 2012 administrative staff supported the process of hiring two new faculty members, aiding in job advertisements, travel and accommodation booking, conducting and participating in the interviews of shortlisted candidates, and serving on the search committee.

Administrative staff organized a number of successful departmental events during this period, including the annual Graduate Meet and Greet, the retirement party for Dr. Brian Hayden, the public ceremony portion of the Repatriation of Heiltsuk Ancestors, Holiday parties, and the department retreat and external review.

Several university-sponsored recruiting and outreach events were held during this period in which administrative staff played a key role. Staff developed and organized interactive and engaging displays and exhibits of archaeological artifacts, faculty and graduate student research profiles, and games and activities. Events included: Information Evening, a recruitment event for highly qualified prospective students and their families; the Faculty of Science's Geek Week; Academic Options Day; and the SFU Education Fair/Open House, a community outreach event that welcomed 19,000 visitors to the Burnaby Campus. Staff also conducted workshops and information sessions for students applying to graduate school and for federal grant funding.

Chris Papaianni
Manager & Academic Advisor
The Department of First Nations Studies was established within the Faculty of Arts and Social Sciences on April 1, 2012. It comprises 5 faculty, two are tenured and three are in tenure-stream, representing 3.75 full-time equivalent appointments. Four continuing faculty hold joint appointments, with two being ¼ time in the Department of Archaeology. First Nations Studies curriculum specializes in topics that reference perspectives derived from the experience of Aboriginal people. Our courses are informed by the applied research of our faculty who add substance to the directive of engaging aboriginal communities through their inquiries and creative works. Moreover, the principle of respect for Aboriginal peoples and cultures is implicit in the creation of the Department of First Nations Studies. Our mission is to deliver courses that investigate indigenous knowledge in its traditional and contemporary milieux.

By its very nature, First Nations Studies encourages interdisciplinary research and our faculty have made significant contributions to their respective disciplines. In doing so, they have established extensive networks of collaborators and research associates that cross disciplinary boundaries. Through original research in areas such as archaeology, language revitalization and ethnobotany, coupled with creative production in the visual and literary arts, scholarly work situated here has propelled SFU to the forefront of indigenous studies. Our courses are recognized by cognate disciplines as indispensable for certificates, such as the CRM certificate in Archaeology, minors, such as Development Studies (DEV5), and the proposed major leading to a BENV. Media outlets routinely contact our department for expert analysis of topics germane to Aboriginal people.

Among the faculty there is a good balance between the creative arts, the humanities and the sciences. Our faculty demonstrate research and teaching strength in the following areas: anthropology, archaeology, fine arts and indigenous literature.

Our faculty have worked hard to establish SFU as a centre for innovative research and teaching excellence in FNST. They have demonstrated success in securing funds for their research and creative production and they have established strong links with First Nations in the local area and across the province. We offer undergraduate courses in First Nations Studies that span environmentalism (ethnobotany, environmental justice), gender studies, heritage stewardship, traditional knowledge and humanities. Engaging aboriginal communities with a dynamic research agenda will continue to be our priority. We can achieve this ambition by concentrating on areas where we have substantial expertise and the skill sets to influence the production of new knowledge.

Eldon Yellowhorn
Chair, Department of First Nations Studies
FIELD RESEARCH

DAVID BURLEY

Field research in the summer of 2011 was focused largely on continued archaeological survey of southwest Viti Levu and northeast Vanua Levu in the Republic of Fiji. These projects are part of a larger SSHRC sponsored study of early settlement in Fiji and its relationship with a pre-Polynesian homeland in Tonga and Lau, but potentially extending into northeastern Fiji. Both surveys successfully recorded a wide range of sites including an early Lapita (ca 3000 BP) colonizing site on the small island of Kavewa off the north Vanua Levu coast. Also initiated in 2011 with PhD student Kathleen LeBlanc was an ethno-archaeological study of ngatu (barkcloth) production and design on Tongatapu, Kingdom of Tonga. Contemporary ngatu retains several Lapita decorative motifs, and it further provides insights into a traditional craft production system through which Lapita pottery manufacture may be modeled. This study ultimately will form one component of Kathleen’s dissertation on Lapita decorative design in Oceania.

Research efforts from May to July 2012 first were centred on South Pacific field school excavations at the Sigatoka Sand Dunes in Fiji. Continued excavation was carried out on superimposed village occupations associated with Plainware and Navatu phases of the Fijian mid-sequence (ca 1300-1500 BP). As with earlier field schools, survey and site recording on the coastal margin of the Sigatoka Sand Dunes National Park also was undertaken by field school students. With MA student Travis Freeland, two additional projects were conducted in Fiji. The first involved test excavations at the early Lapita site on Kavewa Island recorded in 2011. These illustrate a high degree of site integrity with considerable research potential for gaining insight into first settlement and its transformation in northern Fiji.

The second project also was a follow-up from the 2011 survey. A unique late prehistoric coral rock roadbed was found crossing the mangrove swamp on the north coast of Mali Island near Labasa, Vanua Levu. This corridor connected Mali Island villages and facilitated access to a hill fort on the islands east end. The 2012 project further documented the road while also preparing a detailed map of the hill fort, including defensive ditches, fighting platforms, ramparts and house platforms.

Finally of note, in 2011/2012, a collaborative project was initiated with Marshall Weisler and Xin-Jian Zhou of the University of Queensland. This was to explore the viability of uranium thorium dating of coral file abraders for high precision age determination at Lapita-age sites in the Kingdom of Tonga. This proved spectacular with 2σ calibrated age ranges lowered to as little as ± 7 years. As a consequence, the initial occupation of Nukuleka, and the first Lapita landfall in Polynesia, is now dated to 2838 ± 8 cal BP.

SFU 2012 field school excavations of Fijian Plainware and Navatu phase village occupation floors, Sigatoka Sand Dunes National Park, Viti Levu, Fiji
Roy Carlson

My research over the last two years has continued to concentrate on analysis of the artifacts and description of the excavations that I directed in the Republic of the Sudan as part of the Aswan Reservoir project in 1965-66. Two Paleolithic sites, Khor Abu Anga and Magendohli, and four younger ceramic period sites were excavated. Analysis of the Paleolithic material and completion of a monograph is expected to take another two years.

I organized a symposium on Archaeology and Prehistory of the lower Fraser Valley for the BC Studies Conference held May 14-16 at Douglas College in New Westminster. The paper I presented in this symposium was entitled: “The Fraser River Salish as Innovators”

I continue as Managing Editor of SFU Archaeology Press.

Mark Collard

I am the Canada Research Chair in Human Evolutionary Studies and a Full Professor of Archaeology and Biological Anthropology. I am also the director of the SFU Human Evolutionary Studies Program.

With regard to research, I am working on a number of topics in evolutionary anthropology. Among these are the identification of species in the hominin fossil record, the reconstruction of fossil hominin and non-human primate phylogenetic relationships, and the estimation of body mass, stature and age from skeletal material. In addition, I am using methods and theory from evolutionary biology to investigate archaeologically - and ethnographically - documented patterns of material culture variation.

Catherine D’Andrea

The Eastern Tigrai Archaeological Project (ETAP) continued a programme of archaeological research in northern Ethiopia in 2011-12. We are an international team with participants from Canada (SFU, University of Toronto), Ethiopia (Aksum University), USA (University of Florida, Gainesville, Washington University St. Louis), and Italy (University of Naples). SFU ETAP team members in 2011-12 included Shannon Wood, Barbara Winter, Habtamu Mekonnen, Laurie Darcus, Sarah Oas, and Elizabeth Peterson. We are examining the dynamics of early state formation in northern Ethiopia, concentrating on the pre-Aksumite period (ca. 800-400 BC).

The highlights of our 2011 and 2012 field seasons were the discovery of two intact burials at the pre-Aksumite site of Mezber in 2011 and a workshop completed as part of an ethnoarchaeological study of grindingstones in 2012.

Excavations at the rural site of Mezber were completed at the end of the 2012 season. The site is providing us with an unprecedented view of rural life during the pre-Aksumite period. During the 2011 season, two intact human burials were recovered. Although they date to different periods, they were found one stratigraphically above the other and both had large rocks placed around the crania and upper torsos. The upper burial is a post-occupational triple burial including the remains of two females and a small child, all three of which were found in an extended position. The lower burial is of a male found in a fetal position. This lower burial can be stratigraphically dated to pre-Aksumite times and represents the first non-elite burial known for the period. AMS dating and stable isotopic analyses of individuals from both burials are in progress and osteological studies are planned for 2013 by Shannon Wood. Excavations by ETAP scheduled for 2013 will shift to the large town site of Ona Adi, which will be a focus of a PhD dissertation by Habtamu Mekonnen.

In 2012, MA student Laurie Darcus began an ethnoarchaeological study of grindingstones which remain part of a living tradition in the ETAP study area. She held a highly successful workshop for local residents who were interviewed about grinding stone
production and use. They also were asked to provide comments on archaeological grindingstone fragments excavated from Mezber.

In 2011-12 work continued on several African palaeoethnobotanical projects, the most significant of which was at Bosumpra Cave, Ghana. This work forms the basis of Sarah Oas’ MA thesis, which has revealed a 10,000 year history of plant use in West Africa.

Jonathan Driver

I continue to work on zooarchaeological studies of Ancestral Puebloan communities in the American Southwest, although my research time is currently limited by my work as a university administrator. I completed analyses of animal bones from Pueblo Bonito (New Mexico) collected in the late 19th and early 20th centuries and stored in the American Museum of Natural History and the Smithsonian. This will complement the analysis of a more recently recovered faunal assemblage from that site. I also returned to a former interest – the role of mass predation in human ecology – and I expect to continue work on this area in the future.

A short article on identification methods that I completed more than 20 years ago has received renewed attention and was republished with a commentary from me and others on the need to be more vigilant about this fundamental aspect of zooarchaeology.
Dr. Biruté Mary Galdikas has been called one of the world’s leading conservationists and the world’s foremost authority on orangutans. She has been studying wild orangutans for over 42 years at her Camp Leakey study area in Tanjung Puting National Park, Kalimantan Tengah, Indonesia. With the exception of Jane Goodall’s work, Dr. Galdikas’ research is the longest continuous study of any single wild mammal population undertaken by a principal investigator. She is the co-founder and President of Orangutan Foundation International (OFI), a non-profit with sister organizations in Canada, the US, Europe, Indonesia, and Australia. Dr. Galdikas and OFI are fighting the threat of orangutan extinction which is mainly due to the destruction of tropical rainforests, the orangutan’s only habitat. OFI runs numerous conservation and orangutan welfare programs in Kalimantan, including purchasing and protecting tracts of forest land, patrolling national parks and other conservation areas, promoting sustainable eco-tourism, and providing education initiatives to local people and training plantation workers to implement a “zero-tolerance” policy on killing, harming, and capturing endangered species. OFI also runs a Care Center and Quarantine (OCCQ) that takes in orphaned orangutans and rehabilitates them for release back into the wild, providing them with medical care, support, and nurture. Currently, the OCCQ houses 320 orphan orangutans. Dr. Galdikas has won numerous awards and prizes for her scientific and conservation work including the prestigious Tyler Prize, Officer of the Order of Canada, and Chico Mendes Award from the Sierra Club, as well as the Indonesian Kalpataru Award. Dr. Galdikas leads OFI’s work and spends up to half the year in Kalimantan at the OCCQ and Camp Leakey in addition to her teaching duties at SFU where she has taught one semester a year since 1981.

My work with the community of Sicalpa, Ecuador continued throughout 2011/2012, in the location of the Spanish colonial city of Rio-bamba, destroyed by an earthquake in AD 1797. Colonial ceramics recovered in previous urban excavations and rural survey were subjected to neutron activation analysis of ceramic pastes, in a collaboration with Ron Hancock at the nuclear reactor at McMaster University. I will now be comparing these results to those we can obtain from our own SFU portable x-ray florescence unit, in a collaboration with Rudy Reimer. The results of these studies can tell us a lot about the ceramic trade in the Northern Andes during both the late prehistoric, and colonial periods. From September to December 2012 a three-month field season in the Sicalpa area allowed us the opportunity to carry out both further rural survey, with a focus on the colonial and republican-period rural hacienda agricultural system, and urban excavations on colonial sites in Sicalpa. This work was carried out in collaboration with Laurie Beckwith, of Douglas College, who is doing archaeological research on prehistoric sites in the region. Historic-period excavations included the rescue excavation of a series of 19th-century human burials, which were threatened when the local church of San Lorenzo was undergoing renovation, and the excavation of a 17th century household in the urban core of the colonial city, giving...
us one of the first glimpses of what urban life for elites was like in the colonial Andes.

I am also very pleased to have taken on two PhD students from Ecuador, Daniela Balanzategui and Fernando Astudillo, who are at SFU under the auspices of Ecuador’s new SENESCYT funding program. This is a huge change for Ecuador, in providing a well-funded program for international graduate training in both the arts and sciences, and Daniela and Fernando have now begun their own research on colonial Ecuadorian archaeology towards their doctoral dissertations here at SFU.

DANA LEPOFSKY

Evidence of plant management in Hayaut Hunter Island. Berry garden in foreground, clover root intertidal garden in background. (Photo: Nancy Turner)

In 2011 and 2012, my graduate students and I were involved in several research initiatives, in several regions of the Northwest Coast. In my role within the “Hakai Network for Coastal People, Ecosystems and Management”, I am one of the principle organizers of the “Herring School”. The goal of the herring school is to bring together knowledge holders from different communities throughout the coast who have an interest and expertise in the natural and cultural importance of herring. In addition to the on-going support of the Tula Foundation, we received several grants that supported two successful workshops, an active outreach program (the web site and documentary are almost complete), and considerable natural and social science research currently being conducted by graduate students and post-docs at several universities.

Also as part of the Hakai Network, and generously supported by the Tula Foundation, Jennifer Carpenter (Heiltsuk First Nation), Nancy Turner (UVic), and I are co-directing a Heiltsuk community based project entitled, “From mountain top to ocean floor: the eco-cultural history of Hayaut, N. Hunter Island”. The archaeology of Hayaut will form the PhD research of archaeology student and Hakai Scholar, Julia Jackley.

I continue my commitment of the field of ethnobiology by being an active member of the Society of Ethnobiology. During this period, I finished my last year as the Society of Ethnobiology President and started a new on-line publication series called, “Contributions in Ethnobiology” http://ethnobiology.org/publications/contributions. Our first publication, in honour of ethnobiologist Amadeo Rea, was released at the end of 2012.

I continue my collaboration with Tla’amin First Nation. In 2012, I joined forces with Keith Carlson of the University of Saskatchewan and we co-ran the first Tla’amin-SFU-USask Ethnohistory-Archaeology Fieldschool. The students were ethnohistory and archaeology students from throughout Canada. The excavations were led by Archaeology PhD student Chris Springer, whose PhD research is focused on a survey of settlements in Tla’amin territory. The results of the excavations and student interviews will be compiled in a Tla’amin Historical Atlas. We acknowledge office of the Dean of the Faculty of Environment for their support of SFU’s participation in this innovative field school.

Finally, I have continued my research on ancient resource management in the Coast Salish region. Drs. Anne Salomon (REM), Kirsten Rowell (UWashington) and I have joined forces to examine the ecological and cultural history of traditional clam management. We have been conducting work in Northern Quadra Island, where there are abundant clam management features and associated middens. MA student Amy Groesbeck (REM) conducted several controlled ecology experiments to evaluate the productivity of these features. Archaeology student Misha Puckett is conducting parallel analyses in the associated middens.
In the summer of 2011 Nyra Chalmer (SFU Graduate student) and I directed the department’s local archaeological field school. The primary research component of this program focused on excavations at the Cochrane Bay site, North of Powell River, B.C. These investigations are part of a larger on-going multi-year collaborative research project with the Tla’amin First Nation, co-lead by Dana Lepofsky and John Welch of our department.

In the spring of 2012 I ran an archaeological field worker training program for the Tsleil-Waututh Nation. This consisted of a 40 hour training program that encompassed the Province of British Columbia’s “Archaeology Inventory Training for Crew Members” curriculum, developed and administered by the BC Provincial Resource Inventory Standards Committee (RISC). The training program resulted in 9 members of the Tsleil-Waututh Nation being certified to work as field crew on archaeological inventory projects in the Province of British Columbia. Later that spring, in partnership with the Tsleil-Waututh Nation and their archaeologist, Dr. Jesse Morin, I directed an archaeology inventory of the Admiralty Point Lease Lands, immediately south of Belcarra Park, Port Moody. This project was the focus of a field methods course (ARCH 434) that included participation of 12 undergraduate students from SFU.

Also in 2012 I developed an archaeological inventory sampling scheme for BC Hydro’s Arrow Lakes Reservoir. This project is related to a archaeological inventory strategy that I developed for BC Hydro’s reservoir areas in 2007. I continue to be involved in this on-going inventory work, as an advisor to both BC Hydro and the consulting archaeology firms conducting this work throughout the province.

My research spans three different but intersecting realms of archaeology and cultural heritage: field-based archaeology focusing on prehistoric human ecology; participation in, and study of what has become known as Indigenous archaeology; and academic and community-based research and practice oriented to the intangible aspects of heritage around the world.

I continue to pursue a long-term research agenda that explores hunter-gatherer land use associated with wetland-rich settings around the world extending back to the later Pleistocene period. This work is contributing to a fuller understanding of the range of lifeways associated with small-scale societies in resource-rich environments. Within British Columbia, I have been analyzing survey and excavation data from a number of early and middle Holocene-aged sites on the Kamloops Indian Reserve.

That work stems from my long-term commitment to working with the Kamloops Indian Band and with other Indigenous groups in Canada and beyond to ensure that archaeology is both accessible and beneficial to them. This is a topic I continue to explore and publish extensively on. I am also working on initiatives to facilitate cross-cultural research ethics at local through international levels, including presentations on behalf of Canada’s Truth and Reconciliation National Forum and UNESCO’s exploration of the challenges of digital heritage.
Since 2008 I have directed the Intellectual Properties Issues in Cultural Heritage (IPinCH) research project, a $2.5 million, seven-year SSHRC Major Collaborative Research Initiative that explores and facilitates fair and equitable exchanges of knowledge relating to archaeology and heritage. This timely investigation of the intangible and tangible aspects of cultural heritage, and their implications for local and global interpretations of culture, rights, and knowledge, is being undertaken by an international, interdisciplinary collaboration (2008-2015) involving more than 50 scholars, 40 Associate members and Graduate Fellows, and 25 partnering organizations.

In the past two years, IPinCH teams have completed a series of major projects including a Moriori-initiated traditional cultural landscape database in the Chatham Islands (New Zealand); a study of artifacts in the Smithsonian Institution by Inuvialuit elders to repatriate knowledge of traditional tool and clothing manufacture to their community; an initiative to protect Inuit language and heritage and archaeological sites in the context of cultural tourism in Nunavut; and the development of a community-created visitor’s guide for Ngaut Ngaut (Devon Downs), the first scientifically excavated rockshelter in Australia.

The IPinCH team has also organized international symposia, workshops, and conferences; produced many publications and a growing number of podcasts and videos; provided extensive support and mentoring to many graduate and undergraduate students; and worked to build capacity within the communities and organizations we partner with.

RUDY REIMER / YUMKS

I am an Indigenous Archaeologist from Skwxwu7mesh Uxwumixw (Squamish Nation) and Yumks is my ancestral name. My research area is my home territory, the Northwest Coast and adjacent interior Plateau. As a cross appointed faculty member in Archaeology and First Nations Studies my research interests are many and varied but share some common threads. As a starting point my research takes a community up approach that considers oral history, traditions, place names and landscape knowledge on par with scientific inquiry and non-destructive techniques such as X-Ray Fluorescence. I use these seemingly disparate modes of inquiry to explore the ancient use of tool stone, rock art, terrestrial and marine resources and the ways communities were connected in the past. I do this through the examination of different kinds of archaeological sites ranging from sea level to high elevation alpine contexts, with minimal impact, and the examination of existing collections.

I attempt in many ways to make my research useful and meaningful to the communities I work with, be they academic, public or Indigenous. Examples of work I and my students and colleagues have been involved in include, the characterization of obsidian and other lithics materials from across the Pacific Northwest using XRF, the chemical characterization of ochre pigments and rock art images in southern British Columbia, the technological organization and lithic chemistry of assemblages from rock shelter sites in the Squamish territory, the Stave Lake watershed and the paleo-Indian site famously known as the Little John site at the Yukon-Alaska border, and the recovery of an in situ stone bowl along the Squamish River. Other community outreach endeavors in the past 2 years include the organization of the annual BC Archaeology Forum in Squamish BC, and the co-organization of the Canadian Archaeological Association annual conference in Whistler BC, the co-development of exhibits at the Sunshine Coast Museum and Archives and the Squamish-Lil’wat Cultural Centre, along with numerous community and museum/heritage organization talks. I was invited to host the pilot episode of Wild Archaeology for the Aboriginal People’s Television Network. I am also a member of the Indigenous Research Institute at Simon Fraser University.
My work continues to focus on assisting indigenous communities with the investigation and management of cultural and historical sites. I am particularly interested in how indigenous community leaders are asserting longstanding and customary law and policy in the contexts of site conservation and adaptive reuse of these places as well as management principles appropriate in particular cultural settings.

Much of this work is occurring on White Mountain Apache lands in Arizona. There, working with the Tribe and collaborators from the University of Arizona and the U.S. National Science Foundation, we conducted six-week summer field schools for undergraduates interested in using geographic information science (GIS) as a tool for collecting and interpreting ethnographic and historical information. Headquartered at the Fort Apache and Theodore Roosevelt School historic district, the field schools have now trained 12 Apaches and 12 non-Apaches in the spatialization of cultural and documentary data. Also in 2012, following more than 12 years of research, writing, and politicking, U.S. Secretary of the Interior Ken Salazar signed the nomination I submitted on behalf of the Tribe and the U.S. Bureau of Indian Affairs to designate Fort Apache and TR School a National Historic Landmark. The photograph to the left, taken at the designation ceremony in May 2012, shows me with Hon. Ronnie Lupe, who has served as a member or leader of the Tribe’s governing body since 1968.

Other successes in 2011 and 2012 include the completion of a multi-authored volume on the archaeology, history and management of the ancestral Hopi and Zuni site of Kinishba, also located on White Mountain Apache lands (published by the Arizona State Museum). In summer 2012 we started work on Fire and Humans in Resilient Ecosystems, a four-year, National Science Foundation-funded project led by Tom Swetnam (U Arizona) and Chris Roos (Southern Methodist) to examine and model human settlement, vegetation, and wildland fire activity in the forest around Jemez Pueblo, New Mexico. Working with T.J. Ferguson (U Arizona) and representatives of Jemez, Apache, Hopi, Zuni, and wildland firefighter ‘tribes,’ my job is to collect documentary and consultant information on how different groups perceive and value fire and the roles it plays in cultures and economies.

I am a biological anthropologist by training. While I have been involved in the study of human osteoarchaeology in China, my main research theme has focused on ancient DNA-based archaeological research. In the past ten years, most of my research projects have been based on the Northwest Coast of North America and in China.

My ancient DNA-based research includes: 1) the development of lab techniques for optimal DNA extractions and analyses and better contamination controls from the study of different types of ancient remains; 2) the development of research strategies to more effectively integrate ancient DNA analysis with other archaeological investigations; and 3) the application of ancient DNA techniques to forensic identifications of degraded human and wildlife DNA samples.
I follow a science-model (team approach) for conducting lab-based research and for graduate student training, which have proven to be effective for enhancing interdisciplinary collaborations and for assisting students to climb the steep learning curve of ancient DNA research. In 2011-2012, three graduate students completed their degree research (one PhD and two MA); and by the end of 2012, seven on-going graduate students (two PhD and five MA) continued their studies under my supervision (as the senior supervisor).

In 2011-2012, I also served as the host to help the Department receive three visiting faculty and postdoctoral fellows from China (Professor Quanchao Zhang from Jilin University, Professor Minghui Wang and Dr. Xin Zhao from the Institute of Archaeology, Beijing, CASS). Both Wang and Zhao were supported by Henry Luce Fellowships. As a result, formal partnerships have been developed with the Institute of Archaeology in Beijing to collaborate on ancient DNA research, and with Jilin University on human osteoarchaeology.

In the academic year of 2011-12, three graduate students completed their MA programmes under my supervision. All three worked with me on my Piikani historical archaeology research project.

April 1, 2012 was an auspicious day. I became the first chair of the newly created Department of First Nations Studies within the Faculty of Arts and Social Sciences.

In May 2012, I represented SFU on a trip to Bolivia to meet with Indigenous people who are research partners with SFU faculty. Also in May, I completed my term as President of the Canadian Archaeological Association at the annual meeting in Montréal.

On June 21, 2012 (National Aboriginal Day), the Indigenous Research Institute held its inaugural meeting. I was also appointed the Director for the IRI.

**Eldon Yellowhorn**

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On June 21, 2012 (National Aboriginal Day), the Indigenous Research Institute held its inaugural meeting. I was also appointed the Director for the IRI.
In 2009 I began my work with the British Columbia Coroners Service as a forensic anthropologist consultant working from the Centre of Forensic Research located at Simon Fraser University. Since 2010, I have been an Adjunct Professor in the Department of Archaeology. As such I had the responsibility to apply my skills in forensics and osteology to the analysis of skeletonized human remains. Many are the proveniences of these remains, but the most common reason why they require a forensic anthropologist is to assist in their identification and to support the forensic pathologist in finding cause and manner of death. As a forensic anthropologist consultant for the British Columbia Coroners Service I have to develop biological profiles were I assess, among other things: age, sex, bio affinity, stature, pre-existing pathological conditions, trauma and its timing in the individual’s life. Another area of my work as a forensic anthropology consultant is to assess the skeletal remains as relevant to forensic interest or as part of the archaeological repertoire. The identification of human remains vs. other vertebrate species is also an important part of my everyday work.

My training as an archaeologist has allowed me to help the police in surface collection and/or exhumation of skeletal remains from clandestine and sometimes legal interments. The careful and scientific collection of evidence is vital for a successful forensic case. Here is where my skills as a physical anthropologist and an archaeologist are applied in a very successful symbiosis of sciences.

I have also been a sessional instructor at Kwantlen Polytechnic University where I taught a special topic course on Mass Graves through history. In this course I was able to analyze mass graves pertaining to different time periods in history and interpret the evidence in order to understand the meaning of the skeletal remains found in these mass graves. As part of the course we studied the skills and methods required for the analysis of skeletal remains and the interpretation of the evidence found associated with those remains.

During 2011-2012 I worked as a postdoctoral fellow under the combined supervision of Mark Collard and Michael J. O’Brien (University of Missouri). During this time we continued our efforts to address key questions regarding Paleoindian origins and adaptations in North America, as well as investigating hypotheses concerning the evolution of technology. This work was published in ten articles in refereed journals during this period. I presented the results of these studies at conferences in Memphis, Tucson, and Sacramento and at two international workshops. In 2011 I began working as a member of the advisory and editorial board for the journal North American Archaeologist.

Ernest Bumann, born and raised in Switzerland, received his PhD in Egyptology from the Hebrew University of Jerusalem, Israel. Beside his MA in Egyptology, Ernest also holds a MA in Biblical History (Jerusalem University College, Jerusalem) and an MEd in Education (University of Exeter, England).

Ernest specialized in the history, archaeology and languages of ancient Egypt and the ancient Near East. His dissertation
“The Hyksos and Acculturation: Processes of Acculturation of the Asiatic Population at Tell el-Dab’a (Avaris) during the Late Middle Kingdom and the Second Intermediate Period” focuses not only on archaeological and linguistic features, but also on anthropological theories, such as acculturation of some of these well-studied ancient populations and how they related to each other. Another focus of his studies is the history of the Biblical period in close correlation with the neighboring societies and countries of the Ancient Near East. Beyond Ancient Egypt and the Ancient Near East, Ernest is also very interested in the cultural development and exchange between other ancient civilizations in the Old World (Indus Valley Civilization, Ancient China, Ancient Europe) and the New World (Mesoamerica and South America).

ALVARO HIGUERAS

I started as a sessional instructor at SFU after more than a decade of archaeological and cultural heritage experience in Eritrea, Italy, Andean South America and the Balkans, and experience as a United Nations consultant in cultural heritage in Kosovo. I am currently exploring cultural heritage rights in Peru, where historical and cultural factors have created status differences between Indigenous highland groups and those in the Amazon forest.

In 2011-12, I taught ARCH 100 - Ancient Peoples and Places and ARCH 334 - Aztec and Inca: Archaeology of Empires. My teaching tenure at SFU was complemented with instruction in the Department of First Nations Studies, with a course on Statistics, and in the History Department with the course: “Empire to Empire: Transition from Native to Spanish Empire in the Americas”.

DAVID MAXWELL

During the period of 2011-2012, I was involved in a variety of activities relating to archaeology. Much of my time has been devoted to teaching, and I have worked as a sessional instructor for the Department of Archaeology at SFU. During this period, I taught ARCH 100 (Ancient Peoples and Places) twice, ARCH 131 (Human Origins) twice, and ARCH 201 (Introduction to Archaeology) 3 times. All of these are introductory courses, with student loads ranging from as few as 40 for an evening course, to as many as 250 for a large class. I also served as a sessional instructor for the Department of Anthropology at UBC in Vancouver, teaching ANTH 225 (Human Origins), a course very similar to ARCH 131 at SFU, with a student load of 94.

I have also continued to be involved with the SFU Continuing Education Senior’s Lifetime Learning Program for SFU Downtown. During this period, I have taught nine courses, including a course based on ARCH 131, entitled Human Origins: Where Did We Come From and How Did We Get Here? (3 times), a course based on ARCH 201 entitled, Digging It: An Introduction to Archaeology, a course entitled Civilizations of Ancient Mexico (3 times), a course entitled Archaeology of the American Southwest, and finally a course entitled Dinosaur Evolution and Extinction. Each class was filled to capacity and all were extremely satisfying to me as an instructor.

I assisted Dr. Jonathan C. Driver with the completion of a draft chapter of an analysis of the vertebrate fauna from Pueblo Bonito in Chaco Canyon, New Mexico, which is still in the hands of the volume editor.

Dr. Driver and I have been collaborating on a number of research projects relating to Plains bison kill sites and mass kill mortality profile analysis, resulting in 2 invited papers in symposia at the Society for American Archaeology meetings, and a single publication to date in Quaternary International.

I acted as faunal analyst for an SFU field school project on the Sunshine Coast, under Dr. Dana Lepofsky and Nyra Chalmer, consisting of the identification, description, and analysis of a large collection of vertebrate remains. I also acted as senior
faunal analyst on a long-term project in Kamloops, under Dr. George Nicholas, which is ongoing.

Finally, over the same span, I was engaged in my ongoing research into caches and votive offerings from the major Maya centre of Tikal in Guatemala. My research during this period was primarily focused on marine shell taxonomy and distribution through time and on stingray spine use in votive offerings. Both research projects were presented as posters at the Society for American Archaeology meetings.

Deborah Merrett

The emphasis of my research is on the estimation of health in past human societies at the population level with a focus on two geographic regions: Near East and northern China. For the Near East, tooth crowns of infants from one Neolithic site in Iran have been embedded for analysis of the enamel microstructure. The resulting thin sections will allow for chronological age-at-death estimations of the infants. Teeth from an additional site are in the process of being analysed for comparison. Not only will this allow for age estimation but will also facilitate inter-site comparisons of the population health from the two ancient human skeletal samples.

I am also involved in a multidisciplinary SSHRC-funded project with principal investigator Dr. Dongya Yang on the health of Chinese populations across the subsistence transition from hunting/gathering to agriculture and through the development of civilization in northern China. The results of a pilot study of the oral health of people of the Houtaumuga site have been presented at the annual meeting of the Canadian Association for Physical Anthropology. Additional health-related research will be continuing in the field season of 2013 with the aim of establishing population parameters for health from tooth microstructure.

Also involving microscopic analysis of skeletal tissues is the research extending from forensic work I have done for the RCMP in Manitoba. This research is in preparation for publication in the Journal of Forensic Sciences and was presented at the annual meeting of the Canadian Association of Forensic Science.

Jessica Munson

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Jessica Munson

After receiving my PhD (2012) from the School of Anthropology at the University of Arizona, I began a postdoctoral fellowship under the supervision of Dr. Mark Collard and jointly supported by the Human Evolutionary Studies Program at SFU and the Cultural Evolution of Religion Research Consortium at UBC. Building on prior epigraphic research, my postdoctoral project investigates the changing role and cultural contexts of ritual bloodletting practices in Classic Maya society. Applying an evolutionary approach to the study of religion, we are interested in testing theories about the relationships between religious behaviors and the emergence of large-scale cooperative societies, as well as understanding how ritual practices and beliefs spread in specific sociocultural contexts in the prehispanic past.

In addition to this work, my research focuses on technological and social changes in the construction of ritual architecture at a minor ceremonial center located in the southern Maya lowlands.
I conducted archaeological investigations at the site of Caobal, Petén, Guatemala and collected a detailed record of artifacts and architectural changes spanning sixteen centuries of occupation. This study developed a multilayered diachronic approach to investigate the ways prehispanic Maya communities constructed and modified their social landscape over long periods of time. By focusing on the emergence and transformation of temple architecture beyond primary centers of power, this study shows how ceremonial buildings were locations of daily practices, identity politics, and religious values in prehispanic Maya society.

**DOUGLAS ROSS**

For 2011 I was awarded a Wenner-Gren Hunt Postdoctoral Fellowship to turn my 2009 doctoral dissertation on transnational consumer habits and diasporic identities among early Chinese and Japanese immigrants in British Columbia into a book, to be published in 2013 by the University Press of Florida. In 2011 and 2012 I also published papers on the dining habits of Chinese and Japanese immigrants (Historical Archaeology), challenges facing the interpretation of cultural origins of historic artifacts (Journal of Anthropological Archaeology), and the identification and dating of Japanese ceramics from 19th and 20th century sites (Ceramics in America).

In 2012 I taught introductory courses in archaeology and physical anthropology at SFU and Douglas College and participated in a symposium at Barkerville Historic Town on the research potential of the site’s archival and artifact collections, where I delivered a paper on the archaeology of Chinese immigrants in BC. I also gave a talk for the Archaeological Society of BC in 2011 on my work at a World War II Japanese internment camp in Idaho, and presented a paper at the 2012 AAA conference in San Francisco on the role of migration narratives in constructing a sense of community among Asian immigrants. Outside of academics I spent two summers surveying historic sites along the Peace River in northern BC as part of an impact assessment for the Site C hydroelectric dam project.

**DENNIS SANDGATHE**

Over the course of 2011 and 2012 I continued with several field projects that were begun in previous years. One of these was the Palaeolithic site of Grotte de Contrebandiers on the Atlantic coast of Morocco. My colleagues and I began digging here in 2007, and 2011 was the final excavation season. In 2011 work focussed on dating the remains of a 100,000 year old Anatomically Modern Human child we discovered in 2009 (National Geographic Society produced a 2011 TV special on this - The World’s Oldest Child). Most of my fieldwork is carried out in Southwest France and in 2011 and 2012 I continued excavating the Middle Palaeolithic site of La Ferrassie: a site made famous a century ago by the discovery of the remains of 6 Neandertals. My colleagues and I are investigating the context of these remains and studying the stone tool industries associated with the site. In 2012 we received a National Science Foundation grant for $175,000 to continue the excavation for several more years. In 2012 we also began test excavations at another Palaeolithic site in

*Part of the 2012 crew excavating at the Palaeolithic site La Ferrassie (France) including SFU students Gabby Jackson (sitting fourth from right) and Jan Anderson (second from right).*
the same region called La Gane. Limited excavations were carried out here in the 1940s, but its potential to contain a deep depositional sequence has yet to be properly investigated.

2011 Excavations underway at the Palaeolithic site of La Ferrassie, France. SFU student Luseadra McKerracher and UBC student Gervaise Whitlam are excavating at the near end of the trench.

Valentina Savo

Dr. Valentina Savo’s research is rooted in ethnobotany and aims to include a more complex view of the relationships between humans and the environment. Since 2003 (and over the last two years 2011-2012) she has been working on several different projects spanning from Mediterranean plant ecology, bioclimate, ethnobotany, Traditional Ecological Knowledge (TEK) and plant iconography. More recently, she has been working with environmental resource managers analyzing their observations on changes in the environment.

She has recently been awarded a postdoctoral fellowship from the Foreign Affairs and International Trade of Canada and has joined the Hakai Network as a Hakai Post-Doctoral scholar. Her research explores Coastal First Nations’ observations of and adaptations to climate change in British Columbia. This information will be correlated with quantitative data on environmental changes for a better understanding of climate change and its effects.

Jon Scholnick

In 2012, I began a NSF International Research Fellowship under the supervision of Mark Collard. This two-year postdoctoral fellowship is focused on using archaeological data to evaluate and refine models of cultural evolution. In particular, I am using tree-building or phylogenetic methods, and social network analysis to examine the ways that social structure shapes technological and stylistic knowledge. While tree-building methods are well established in biology, they have seen more limited application in the social sciences. Modeling efforts have shown mixed results about whether these methods can be adapted for cultural transmission, where, unlike genetic transmission, knowledge can be acquired from peers. Using well-controlled empirical data, we can evaluate the merits of these tree-building methods.

My work focuses on seventeenth and eighteenth century New England gravestone decoration, which is a textbook example in archaeology. These artifacts have dates inscribed on them...
and thousands of them remain standing in the burial grounds where they were placed hundreds of years ago. The decorative motifs carved on these gravestones provide a strong empirical case study to examine modes of social learning. Many of the grave markers can be linked to known carvers through estate settlement documents, and others were inscribed with signatures or initials of their carvers. In 2012, I spent several months in Massachusetts doing field survey to locate and record gravestones that are referenced in the documentary record.

I have also been working on understanding decorative variation in artifacts more broadly using the gravestone data. In 2012, I presented a paper on the diversity of gravestone motifs in a symposium, “Recent developments in cultural transmission theory and its applications,” at the SAA meetings in Memphis. Here I use a selectively neutral model of stylistic diversity to identify when and where gravestone choices are affected by conformist tendencies among consumers and carvers. I am also working with Mark Collard and Briggs Buchanan on the role of demography in gravestone motif choice, testing the hypothesis that decorative diversity scales with population size. This work was presented at the 2013 SAAs in Honolulu.

**Camilla Speller**

My research interests focus on the use of ancient DNA techniques to study past human behaviour and its relationship to the natural environment. My postdoctoral research is focused on ‘Molecular Environmental Archaeology’: the application of ancient DNA techniques to environmental issues and human-environment interaction. As part of a larger multi-disciplinary project, I have been working with Dana Lepofsky and Dongya Yang to examine the past biodiversity of herring stocks on the Northwest Coast of North America. My portion of the project involves the DNA analysis of archaeological herring remains along the coast to reconstruct the ancient genetic diversity of this species prior to industrial over-fishing in the last century. We have been working closely with Dr. Lorenz Hauser from the University of Washington to optimize techniques for obtaining DNA from ancient herring remains; our results were published in PLoS ONE last year.

As a Marie Curie Postdoctoral Fellow at the University of York, UK, I have also been applying bimolecular approaches to study the exploitation of whales on the Pacific Northwest. Whale hunting has been practiced by a variety of cultures worldwide for millennia. Little is known, however, about the transition from the scavenging of stranded whale carcasses to active whale hunting largely due to difficulties in species-level identifications of archaeological whale bone. In collaboration with researchers at SFU and the University of York, I am developing and comparing two rapid, low-cost, and highly-accessible species identification techniques using proteins and ancient DNA analysis, and will apply these methods to explore whale exploitation patterns over the last 4000 years. I will investigate the taxonomic abundance and distribution of whale species through time and space, and explore how accurate species identification affects current hypotheses on the history of whale hunting and exploitation on the Northwest Coast.

PhD Student Elizabeth Peterson excavating at Casas Grandes, Mexico
GRADUATE SEMINAR SERIES

SPEAKERS

2011

January 13  
Dongya Yang - Department of Archaeology, Simon Fraser University  
“Ancient DNA-Based Archaeology: Integrating Ancient DNA and Archaeology”

January 27  
Archaeology Department 40th Anniversary Special Seminar: Bioanthropology  
Paul Vasey - Department of Psychology, University of Lethbridge  
“Evolution and male androphilia in comparative perspective”

February 03  
Ann Stahl - Department of Anthropology, University of Victoria  
“Archaeological Taxonomies & Communities of Practice in Temporal Perspective: Reflections from Banda, Ghana”

February 10  
Geoffrey Schmalz - Hellenic Studies Program, Simon Fraser University  
“The Ancient Greek City-State of Pronnoi on Kefalonia: The Third Season of SFU’s NW Necropolis Excavation Project”

February 17  
Henry Cary - Parks Canada  
“Discovering HMS Investigator”

February 24  
Archaeology Department 40th Anniversary Special Seminar: Pacific Rim Archaeology  
David Burley - Department of Archaeology, Simon Fraser University  
“Becoming Polynesian - A Viginti Annus Opus”

March 3  
Adam Rorabaugh - Department of Anthropology, Washington State University  
“Learning a Living: Modeling and Examining the Social Learning of Pre-contact Coast Salish Lithic Technologies”

March 17  
Jesse Morin - Department of Anthropology, University of British Columbia  
“The Political Economy of Stone Celt Exchange in Pre-Contact British Columbia: The Salish Nephrite/Jade Industry”

March 24  
Dale Croes - Department of Anthropology, South Puget Sound Community College  
“Salish Sea: Ancient Basketry reflecting Long-term Salish Heritage throughout their Sea”

March 31  
Sean Robertson - Department of Geography, Simon Fraser University  
“Bearing witness to bare life: counter-geographies of the “extinction” of the Sinixt peoples”

April 7  
Tim Harrison - Near and Middle Eastern Civilizations Department, University of Toronto  
“The late Bronze/Early Iron Age transition in the northeastern Mediterranean: Cultural Collapse or Continuity?”

September 15  
Marcus Hamilton - Department of Biology and Department of Anthropology, University of New Mexico, and Santa Fe Institute  
“The evolution of the human metabolic niche”  
**Co-sponsored by the SFU Departments of Biological Sciences and Archaeology, and the SFU Human Evolutionary Studies Program**
September 22  
**Maciek Chudek** - Department of Psychology, University of British Columbia  
“New insights into the origins of human cooperation: norm-psychology and negative indirect reciprocity”

September 29  
**Panos Pappas & Arne Mooers** - Department of Linguistics & Department of Biological Sciences, Simon Fraser University  
“Applying methods from evolutionary biology to language change: Greek as a case study”

October 6  
**Laura Dane** - Department of Psychology, Douglas College  
“An analysis of the sexual dimorphism of hands: can the human phenotype be considered a single, condition-dependent ornament?”

October 13  
**Jason Cooper** - AMEC Earth and Environmental Inc.  
“Late Pleistocene lithic technologies in Jordan: lighting the fuse of the Neolithic revolution in Southwest Asia”

October 20  
**Brenda Bowser** - Department of Anthropology, California State University-Fullerton  
“Cultural transmission and material culture in the Ecuadorian Amazon”  
**Co-sponsored by the SFU Department of Archaeology, the SFU Human Evolutionary Studies Program, and California State University-Fullerton**

October 27  
**Darlene Weston** - Department of Anthropology, University of British Columbia  
“White Plague and Black Death: the English medieval cemetery from Hereford Cathedral Close”

November 3  
**Quanchao Zhang** - Department of Archaeology, Jilin University  
“Ancient peoples along the Silk Road”

November 10  
**John Patton** - Department of Anthropology, California State University-Fullerton  
“Network altruism and cooperation in the Ecuadorian Amazon”  
**Co-sponsored by the SFU Department of Archaeology, the SFU Human Evolutionary Studies Program, and California State University-Fullerton**

November 17  
**Sam Yeaman** - Zoology, University of British Columbia  
“The evolutionary effects of cultural transmission on maladaptation and population differentiation”

November 24  
**Robyn Woodward** - Department of Archaeology, Simon Fraser University  
“Ideology and Industry on the Early Spanish Colonial Frontier: an update on the Archaeology of Sevilla la Nueva, Jamaica”

December 1  
**Chris Carleton** - Department of Archaeology & Human Evolutionary Studies Program, Simon Fraser University  
“Modelling socioeconomic and socionatural dynamics at Catalhoyuk, Turkey”
2012

January 12  
**Peter Stahl** - Department of Anthropology, University of Victoria  
"Humans, Foxes, and Dogs in Ancient South America"

January 19  
**Jon Scholnick** - Department of Archaeology & Human Evolutionary Studies Program, Simon Fraser University  
"Cultural Evolution and Rapid Stylistic Change in Historic New England Gravestones"

January 26  
**Jessica Munson** - Department of Anthropology, University of Arizona  
"Building on the Past: Continuity and Disjuncture in Prehispanic Maya Temple Construction at Caobal Peten, Guatemala"

February 2  
**Jonathan Driver** - Department of Archaeology, Simon Fraser University  
"Variation in Human Impacts on the Environment in the American Southwest"

February 9  
**James Chatters** - Applied Paleoscience  
"Old Cordilleran and the Macroevolution of Northwest Cultures"  
**Supported by the Cathy and Jon Driver Endowment Fund**

March 8  
**Brian Kemp** - Department of Anthropology, Washington State University  
"Everyone Poops and Other Tales from Prehistory"  
**Supported by the Cathy and Jon Driver Endowment Fund and the SFU Ancient DNA Lab**

March 15  
**April Nowell** - Department of Anthropology, University of Victoria  
"Pornography is in the Eye of the Beholder: Sex, Sexuality, and Gender in the Study of European Upper Palaeolithic Figurines"  
**Co-sponsored by the SFU Human Evolutionary Studies Program**

March 22  
**Christine White** - Department of Anthropology, University of Western Ontario  
"Finding Private Lawless: The Isotopic (and other) Forensics of a World War I Casualty"

March 29  
**Alvaro Higueras** - Department of Archaeology, Simon Fraser University  
"An Indigenous Amazonian Society under Attack: Monitoring Heritage Risk and Social Decay in the Peruvian Amazon"  
**Supported by the SFU Human Evolutionary Studies Program and the UBC Archaeology Isotope Laboratory**

April 5  
**Alison Sheridan** - Archaeology Department, National Museums of Scotland  
"The Mesolithic-Neolithic Transition in Britain and Ireland: Competing Models"  
**Co-sponsored by the SFU Human Evolutionary Studies Program and the UBC Archaeology Isotope Laboratory**

September 13  
**David Maxwell, David Burley, Rudy Reimer, and Eldon Yellowhorn** - Department of Archaeology, Simon Fraser University  
"Stories from the Field… in 10 minutes"

September 20  
**Ben Fitzhugh** - Department of Anthropology, University of Washington  
"Human Eco-dynamics in the Kuril Islands: Beyond Environmental Determinism and Historical Contingency"
September 27  
**John Welch** - Department Archaeology, Simon Fraser University  
“Home, Home at the Fort: A Millennium of Place Making and Displacement at Fort Apache and TR School National Historic Landmark, Arizona”

October 4  
**Michael Blake** - Department of Anthropology, University of British Columbia  
“Maize Archaeology: What New Research Tells Us About Corn’s Role in Emerging Agriculture in the Americas”

October 11  
**Sarah Walshaw** - Department of History, Simon Fraser University  
“Plants in Domestic and Ritual Space at Songo Mnara, Tanzania 14th-15th C”

October 18  
**Paul Szpak** - Department of Anthropology, University of Western Ontario  

October 25  
**Wendy Wickwire** - Department of History, University of Victoria  
“What Can Archaeologists Take from the Work of James A. Teit?”

November 1  
**Duncan McLaren** - Department of Anthropology, University of Victoria  
“Archaeology and Ancient Landscapes of the Hakai Luxvbalis Conservancy Region on the Central Coast of BC” (Cancelled)

November 8  
**Ana Boza Arlotti** - Department of Archaeology, Simon Fraser University  
“Identifying the NN in BC: the Coroners Service and Forensic Anthropology”

November 15  
**Brian Pegg** - Department of Anthropology, Kwantlen Polytechnic University  
“After the Gold Rush: Archaeology and Colonial History in the Fraser Canyon”

November 22  
**Ernie Cooper** - TRAFFIC Canada, World Wildlife Fund  
“Wildlife Forensics”

November 29  
**Dennis Sandgathe** - Department of Archaeology, Simon Fraser University  
“The Use of Hearths as a Tool for Reconstructing Middle Paleolithic Spatial Organization”

*Sigatoka Sand Dunes, Fiji*
## Research Grants

**Burley, D.**

- **2012** SFU VPR Support Grant – “Data Mining in the South Pacific Archaeology Lab” ($10,000).
- **2012** SFU/SSHRC Small Project Grant – “Conflict and Warfare in the Archaeology of Northern Fiji” ($6,000).
- **2011-12** SSHRC Standard Research Grant – “Polynesian origins and the pre-Polynesian homeland” ($59,120) (Year 3).
- **2010-11** SSHRC Standard Research Grant – “Polynesian origins and the pre-Polynesian homeland” ($33,610) (Year 2).

**Carlson, R.**

- **2011-12** SFU/SSHRC Small Project Grant – “Paleolithic of Nubia monograph” ($5,000).

**Collard, M.**

- **2011-2016** SFU Community Trust Endowment Fund – “Human Evolutionary Studies” ($1,100,000) (Yr. 1 & 2).

**D'Andrea, A.C.**

- **2011-2016** Co-investigator, SSHRC Partnership Grant - “Computational Research on the Ancient Near East.” ($1.9 million). T. Harrison, University of Toronto, Principal Investigator.
- **2011-2013** SSHRC Standard Research Grant - “The Pre-Aksumite Period in Highland Ethiopia” ($172,155).

**Jamieson, R.**

- **2012-2014** SFU VPR 4A Grant – “Colonial materiality and Social Relations in Ecuador” ($9,299).
- **2011-2013** SFU Publication Fund – “Historical Archeology of Ecuador” ($5,000).

**Lepofsky, D.**

- **2012** Collaborative Teaching Fellow Program Grant – “Tl̓a̓amin-SFU-USaskatchewan Field School: Integrating Heritage and Environment through Archaeology and History” ($19,795).
- **2011** SSHRC Partnership Development Grant – “The herring school: bringing together culture, ecology, and governance to support sustainability on BC's Central Coast” ($192,450).
- **2011** SSHRC Standard Research Grant – “Ancient resource management among Northern Coast Salish” ($80,384).
- **2011** SSHRC Aid to Research Workshops and Conferences in Canada – “The Herring School Workshop,” (with Martin Robards and Ken Lertzman) ($24,324).
- **2011** SSHRC Public Outreach: Dissemination Grant – “The herring school: visualizing culture, ecology, and management to support sustainability on BC’s Central Coast” ($49,752).
Nicholas, G.

2008-2015  SSHRC MCRI (Major Collaborative Research Initiatives) - "Intellectual Property Issues in Cultural Heritage" ($2,500,000).

2012  SSHRC/SFU Small Research Grant - "Discerning Long-term Subsistence Patterns in the Interior Plateau of British Columbia" ($5,853).

Speller, C.

2012  Research Executive Agency Marie Curie International Incoming Fellowships - "ORCA: Optimizing Research tools for Cetaceans in Archaeology" (€209,033).

Yang, D.

2012-2017  SSHRC Insight Grant, Lisa Hodgetts (PI) and Dongya Yang (co-investigator) - "Archaeological Investigations of Past Hunting Landscapes on Banks Island, NWT." ($278,200).


2011-2018  SSHRC MCRI (Major Collaborative Research Initiatives) Grant, Andrzej Weber (PI), Dongya Yang over 20 co-investigators) - "Holocene Hunter-Gatherers of Northeast Asia." ($2,500,000).

2008-2015  SSHRC MCRI (Major Collaborative Research Initiatives) Grant, George Nicholas (PI), Dongya Yang over 25 co-investigators) - Intellectual Property Issues in Cultural Heritage: Theory, Practice, Policy, and Ethnics. ($2,500,000).

Roadbed of coral rock through mangrove, leading to late prehistoric-early historic hill fort. Mali Island, Fiji. (Photo: D. Burley)

PhD Student, Julia Jackley, kyack survey of Heiltsuk Territory, central coast, BC
**Publications List**


Badenhorst, S., R. Lyle, J. Merewether, J.C. **Driver**, and S. Ryan  
2012 The potential of osteometric data for comprehensive studies of turkey (Meleagris gallopavo) husbandry in the American Southwest. *Kiva* 78(1): 61-78.

Brown, D. and G.P. Nicholas  

**Buchanan, B.**, J. D. Kilby, B. B. Huckell, M. J. O’Brien, and M. **Collard**  

**Buchanan, B.**, M. J. O’Brien, J. D. Kilby, B. B. Huckell, and M. **Collard**  

**Buchanan, B.**, M. Hamilton, K. Edinborough, M. J. O’Brien, and M. **Collard**  

**Buchanan, B.**, M. **Collard**, M. J. Hamilton, and M. J. O’Brien  

**Burley, D.V.**  


2012 Response to J. Davidson, “Intrusion, integration and innovation on small and not-so-small islands with particular reference to Samoa”, *Archaeology in Oceania* 47(1): 10-11.


**Burley, D.V.** and J. Balenaivalu  

**Burley, D.V.**, P. Sheppard, and M. Simonin  
Burley, D.V., K. Taché, M. Purser, and J. Naucabalavu

Burley, D.V., M Weisler, and X-J Zhao


Cannon, A., D. Yang, and C. Speller

Cannon, A. and D. Yang

Carlson, R.

2012 Issues in Athapascan Prehistory. Ch. 18 in From the Land of Ever Winter to the American Southwest Athapascan Migrations, Mobility and Ethnogenesis. Deni J. Seymour (Ed.). University of Utah Press.


Carr-Locke, S. and G. Nicholas


D’Andrea, A.C. and P. Wadge

Driver, J.C.
2011 Twenty years after "Identification, Classification and Zooarchaeology". Ethnobiology Letters 2: 36-39.

Ewonus, P.A., A. Cannon, and D. Yang

Fahmy, A.G., S. Kahlheber, and A.C. D'Andrea (eds)

Fowler, C. and D. Lepofsky

Gao, X., X. Zhang, D. Yang, C. Shen, and X. Wu

Gilmour, B. and M.F. Skinner


King, A., D. Lepofsky, and D. Pokotylo

Lepofsky, D.
Lepofsky, D. and J. Kahn

Logan, A.L. and A.C. D’Andrea.

McPherron, S., S. Talamo, P. Goldberg, L. Niven, D. Sandgathe, M. Richards, D. Richter, A. Turq, and H. Dibble
2012 Radiocarbon Dates for the Late Middle Palaeolithic at Pech de l’Azé IV, France. Journal of Archaeological Science 39: 3436-3442

Nicholas, G.


2012 Obsuzhdenie stat’i S. Sokolovskogo “Neskol’ko istorii pro kopirait i kul’turu” [A Contribution to a Discussion of Sergei Sokolovskiy’s Article “Copyright and Culture: Some Case Histories”], Antropologicheskii Forum 16: 209-216


Nicholas, G. and R. Aloua

Nicholas, G. and the IPinCH Collective
2012 Collaborative, Community-Based Heritage Research, and the IPinCH Project. SAA Archaeological Record (September): 30-32.

Nicholas, G. and Alison Wylie

Pavlish, L.A., H.G.V. Hancock, and A.C. D’Andrea

Pullman, D. and G. Nicholas

Ross, D. E.
2012 Late Nineteenth and Early Twentieth Century Japanese Domestic Wares from British Columbia. In: Ceramics in America, Robert Hunter (ed.), pp. 2-29. The Chipstone Foundation: Fox Point, WI.


Schollmeyer, K.G. and J.C. Driver


2012 Settlement patterns, source–sink dynamics, and artiodactyl hunting in the prehistoric U.S. Southwest. Journal of Archaeological Method and Theory. Published online 10.1007/s10816-012-9160-5

Skinner, M.F. and J.D. Pruetz
Skinner, M.F., M.M. Skinner, and C. Boesch

Speller, C., L. Hauser, D. Lepofsky, D. Peterson, J. Moore, A. Rodriguez, M. Moss, I. McKechnie, and D. Yang


Speller, C., G. Nicholas, and D. Y. Yang
2011 Feather Barbs as a Rich Source of mtDNA Ideal for Minimally Destructive DNA Analysis in Forensic Wildlife Cases. *Investigative Genetics* 2:16.

Springer, C. and D. Lepofsky


Welch, J., D. Lepofsky, and M. Washington

Welch, J., D. Lepofsky, G. Combes, and C. Rust

Wyndham, F., D. Lepofsky, and S. Tiffany.