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In September 2013, I was pleased to accept the position as Chair of Archaeology again, having served previously from 1999-2002 and 2003-2008. I first want to recognize in this Biennial Review report the substantial efforts made by our former Chair, Professor Catherine D’Andrea who, in the face of fiscal restraint, kept the department on a purposeful course for survival. She was instrumental in moving Archaeology from the Faculty of Arts and Social Sciences into the Faculty of Environment where we now have joined colleagues in Resource and Environmental Management and Geography as well as other programs. Under Cathy’s leadership the Department also continued to solidify its positive recognition and reputation for research and teaching programs as was substantively recognized in glowing praise incorporated into our last external review in 2012.

As the research profiles, publication lists and grants for continuing term faculty members in the following pages attest, the department has a very strong commitment to research. In both years cumulative research funds have exceeded $1,000,000 in total, with much of the research output appearing in several of the most highly ranked of international journals. This commitment continues to cultivate and support a group of collaborative research Networks or Centres within which faculty, graduate students and undergraduates are integrated. Included here are the SSHRC funded Major Collaborative Research Initiative “Intellectual Property Issues in Cultural Heritage” (IPinCH)(George Nicholas), the Human Evolutionary Studies Program (HESP) (Mark Collard Director) funded by the University Trust Endowment Fund, the SSHRC sponsored SFU/Jilin University Bioarchaeology Research Centre (Dongya Yang Director) and the joint Archaeology/Criminology Institute for Forensic Studies (Hugo Cardoso co-Director).

I am also happy to report that undergraduate and graduate programs remain healthy, indeed they are as robust or more so than at any time in the department’s history. Undergraduate enrollments in 2014, for example, reached an all time high of 368 FTE (full time equivalent) students while, as of 2013/2014, the number of majors and minors was 245, some 62% higher than was the case five years earlier. The undergraduate Certificate in Cultural Resource Management continues to be heavily subscribed to with upwards of 50 to 60 students. And our undergraduate field schools locally or internationally continue a long tradition in which our students gain both field training and experience so critical to their future careers. Graduate student numbers remained stable, consistently falling in the range of 50. Successful completions include 15 MAs and four PhDs, one of the largest two-year turnouts in the history of the department. Archaeology graduate students also have been highly successful in SSHRC scholarship competitions as well as in attracting other external and internal funds in support of their studies. This speaks strongly to the academic quality of the students we are able to recruit.

Awards, recognitions and winners abound in our midst. The IPinCH project significantly received the SSHRC 2013 Research Impact Award with an accompanying $50,000 prize. George Nicholas and the IPinCH team also were given the 2015 SFU President’s Dream Colloquium to assemble a series of internationally renowned speakers on the issues of “Protecting Indigenous Cultural Heritage”. Dr. Diane Cockle, one of our 2013 PhD graduands, received a 2014 SFU Outstanding Alumni Award as “one of Canada’s premier forensic archaeologists”. Marina Elliott (PhD 2014) and Mana Dembo (PhD student) were selected by National Geographic Explorer-in-Residence, Lee Berger (University of Witswatersrand), to join the Rising Star Expedition in the excavation and analysis of fossil hominid remains in South Africa. MA student Aviva Finklestein finished first in the university-
wide three-minute thesis competition, going on to represent SFU in the western regional finals. MA graduate Sarah Oas was awarded the 2014 John Evans Masters Dissertation Prize in Environmental Archaeology for her thesis *Revisiting Bosumpra: Examining 10,000 years of plant use at the Bosumpra rockshelter, Ghana*. And, in 2013, George Nicholas received a SFU Excellence in Teaching Award, the first ever for the Department of Archaeology. Congratulations to all.

Two events in particular standout in 2013 and 2014 as they impact upon the future of our department. First, after a period of time where faculty retirement positions were not being replaced, we were given two, limited term, three-year appointments in 2012, into which we hired Drs. Hugo Cardoso and Francesco Berna. I am thrilled to say that these positions were converted to tenure track appointments in September 2014, significantly boosting our abilities to offer and further develop programs in Biological Anthropology and Forensics (Cardoso) as well as Archaeological Science and Geoarchaeology (Berna). Both Hugo and Francesco have exciting and established track records, and I look forward to having them as colleagues for a long time to come.

The second development was a successful proposal to the Dean of Graduate Studies and senior University Administration to develop a Professional Masters Degree in Heritage Resource Management. This program will integrate two semesters of on-line course work with the requirement of a written and publically defended thesis. It will provide students with one of the credentials required to hold archaeological permits in several provinces in Canada as well as become a member of the Register of Professional Archaeologists in the United States. We also received a substantial startup grant to assist us in the preparation of the on-line component. The degree targets existing archaeological practitioners in the HRM field who will otherwise find it impossible to enroll in graduate work with on campus residency. Out first cohort is expected in September 2016.

Finally, I want to note the departure from our midst of Andrew Barton who retired in February 2015. I first met Andrew as his teaching assistant in 1977 when he participated on the 1977 SFU field school at Namu. Not long after he was employed as a Museum Assistant ultimately becoming Manager of the Archaeology Laboratories before moving to the VP Research office as a key consultant working with architects in the design of laboratories and other spaces in Saywell and Blusson Halls. Andrew’s expertise and his insights have been critical to department growth, and his counsel will be sadly missed. We wish him all of the happiness and rewards that retirement can bring.

**David Burley**  
Department Chair
DEPARTMENT ORGANIZATION

FACULTY & STAFF

**Faculty**

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<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Dr. Francesco Berna</td>
<td>Assistant Professor</td>
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<tr>
<td>Dr. David Burley</td>
<td>Professor, Dept. Chair</td>
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<tr>
<td>Dr. Hugo Cardoso</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Dr. Mark Collard</td>
<td>Professor</td>
</tr>
<tr>
<td>Dr. Catherine D’Andrea</td>
<td>Professor</td>
</tr>
<tr>
<td>Dr. Jon Driver</td>
<td>Vice-President, Academic and Provost; Professor</td>
</tr>
<tr>
<td>Dr. Birute Galdikas</td>
<td>Professor</td>
</tr>
<tr>
<td>Dr. Ross Jamieson</td>
<td>Associate Professor</td>
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<tr>
<td>Dr. Dana Lepofsky</td>
<td>Professor</td>
</tr>
<tr>
<td>Dr. Robert J. Muir</td>
<td>Senior Lecturer</td>
</tr>
<tr>
<td>Dr. George Nicholas</td>
<td>Professor</td>
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<tr>
<td>Dr. Rudy Reimer</td>
<td>Assistant Professor</td>
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<tr>
<td>Dr. John Welch</td>
<td>Associate Professor</td>
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<tr>
<td>Dr. Dongya Yang</td>
<td>Professor</td>
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<tr>
<td>Dr. Eldon Yellowhorn</td>
<td>Associate Professor</td>
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**Adjunct Faculty**

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<tr>
<td>Dr. Ron Adams</td>
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<td>Dr. Clement Apaak</td>
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<td>Dr. Ana Boza</td>
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<td>Dr. Diane Cockle</td>
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<td>Dr. Jerome Cybulski</td>
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<td>Dr. James Delgado</td>
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<td>Dr. Paul Goldberg</td>
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<td>Dr. Richard Lazenby</td>
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<td>Dr. George MacDonald</td>
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<td>Dr. Alan McMillan</td>
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<td>Dr. Deborah C. Merrett</td>
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<td>Dr. Neil Price</td>
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<td>Dr. Mike Richards</td>
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<td>Dr. Andonis Vasilakis</td>
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<td>Dr. Sarah C. Walshaw</td>
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<td>Dr. Darlene Weston</td>
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<td>Dr. Michael Wilson</td>
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<td>Dr. Robyn Woodward</td>
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**Staff**

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<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Chris Papaianii</td>
<td>Manager, Academic &amp; Administrative Services; Academic Advisor</td>
</tr>
<tr>
<td>Merrill Farmer</td>
<td>Chair Secretary &amp; Graduate Program Assistant</td>
</tr>
<tr>
<td>Peter Locher</td>
<td>Laboratory Technician</td>
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<tr>
<td>Laura Walker</td>
<td>Undergraduate Program Assistant &amp; Budget Clerk</td>
</tr>
<tr>
<td>Dr. Barbara Winter</td>
<td>Museum Curator</td>
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<tr>
<td>Shannon Wood</td>
<td>Laboratory Manager</td>
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**Emeritus Faculty**

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<tr>
<td>Dr. Roy Carlson</td>
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<td>Dr. Knut Fladmark</td>
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<td>Dr. Brian Hayden</td>
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<td>Dr. Erle Nelson</td>
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<td>Dr. Mark Skinner</td>
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<td>Dr. Brian Hayden</td>
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**Associate Faculty**

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<tbody>
<tr>
<td>Dr. John Clague (Earth Sciences)</td>
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<tr>
<td>Dr. David Huntley (Physics, Professor Emeritus )</td>
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<tr>
<td>Dr. Rolf Matthewes (Biology)</td>
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<tr>
<td>Dr. Pablo Nepomnaschy (Health Sciences)</td>
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</tbody>
</table>
# GRADUATE STUDENT LIST

## Master’s Students

- Ruth Aloua
- Amelia Barker
- Sarah Beaulicu
- Emily Benson
- Kelly Brown
- Nyra Chalmer
- Laurie Darcus
- Ryan Dickie
- Hannah Edmunds
- Aviva Finkelstein
- Cara Halseth
- Evan Hardy
- Megan Harris
- Kody Huard
- Gabrielle Jackson
- Sarah Lison
- Michelle Lynch
- Camina Manychief
- Roxanne Pendleton
- Misha Puckett
- Melissa Roth
- Elizabeth Lisa Simon
- Eric Simons
- Laure Spake
- Megan Thibodeau
- Alexa Walker

## PhD Students

- Chelsey Armstrong
- Fernando Astudillo
- Daniela Balanzategui
- William Carleton
- Sarah Carr-Locke
- Sean Connaughton
- Mana Dembo
- Sandra Dielissen
- Marina Elliott
- Travis Freeland
- Mariane Gaudreau
- Shea Henry
- Erin Hogg
- Julia Jackley
- Jennifer Jones
- Steven Kasstan
- Kathleen LeBlanc
- Jennifer Lewis
- Luisa Marinho
- Luseadra McKerracher
- Elizabeth Peterson
- Antonia Rodrigues
- Thomas Royle
- Michael Rust
- Chris Springer
- Habtamu Taddese
- Lia Tarle
- Hua Zhang
COMMITTEES AND OTHER APPOINTMENTS

Department Tenure Committee 2013

Chair: David Burley
Associate Professors: Ross Jamieson, John Welch
Professors: Mark Collard, Dana Lepofsky, George Nicholas
Assistant Professor: Rudy Reimer
Alternate: Eldon Yellowhorn

Department Tenure Committee 2014

Chair: David Burley
Associate Professors: Ross Jamieson, Eldon Yellowhorn
Professors: Dana Lepofsky, George Nicholas, Dongya Yang
Assistant Professor: Rudy Reimer
Alternate: Catherine D’Andrea

Graduate Program Committee 2013

Dana Lepofsky (Chair)
Rudy Reimer
John Welch
Sarah Carr-Locke (Grad. Rep.)
Merrill Farmer

Graduate Program Committee 2014

Dana Lepofsky (Chair)
Hugo Cardoso
Dongya Yang
Shea Henry (Grad. Rep.)
Travis Freeland (Grad. Rep.)
Merrill Farmer

Undergraduate Program Committee 2013

Ross Jamieson (Chair)
Francesco Berna
Bob Muir
Chris Papaianni
Matthew Go (Undergrad Rep.)

Undergraduate Program Committee 2014

Ross Jamieson (Chair)
Francesco Berna
Bob Muir
Chris Papaianni
Matthew Go & Daniel Heinrichs (Undergrad Rep.s)
### Archaeology Graduate Student Society 2013

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Chair</td>
<td>Sandie Dielissen</td>
</tr>
<tr>
<td>Co-Chair</td>
<td>Fernando Astudillo</td>
</tr>
<tr>
<td>Secretary</td>
<td>Camina Manychief</td>
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<tr>
<td>Treasurer</td>
<td>Shea Henry</td>
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<tr>
<td>TSSU Steward</td>
<td>Chelsey Armstrong</td>
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<tr>
<td>Alternate GSS Rep</td>
<td>Melissa Roth</td>
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<tr>
<td>Space Committee</td>
<td>Sarah Carr-Locke</td>
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<tr>
<td>Department/GEC Rep</td>
<td>Sarah Carr-Locke</td>
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### Archaeology Graduate Student Society 2014

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<tr>
<td>Chair</td>
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<tr>
<td>Department/GEC Rep</td>
<td>Sarah Carr-Locke</td>
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### Archaeology Student Society 2013

#### Spring 2013 Semester

<table>
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<tr>
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<tbody>
<tr>
<td>President</td>
<td>Michael Elvidge</td>
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<tr>
<td>Vice-President</td>
<td>Carleen Novak</td>
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<tr>
<td>Treasurer</td>
<td>Nyomi Sherwin</td>
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<tr>
<td>Secretary</td>
<td>Jasmine Liesch</td>
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<tr>
<td>Forum Rep</td>
<td>Jaclyn Deacon</td>
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<td>Faculty Liaison</td>
<td>Matthew Go</td>
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#### Fall 2013 Semester

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<tr>
<td>President</td>
<td>Michael Elvidge</td>
</tr>
<tr>
<td>Vice-President</td>
<td>Kristen McLaughlin</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Courtney Rix</td>
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<tr>
<td>Secretary</td>
<td>Alyssa Ball</td>
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<tr>
<td>Forum Rep</td>
<td>Christopher Nichols</td>
</tr>
<tr>
<td>Faculty Liaison</td>
<td>Matthew Go</td>
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### Archaeology Student Society 2014

#### Spring 2014 Semester

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<tbody>
<tr>
<td>President</td>
<td>Kristen McLaughlin</td>
</tr>
<tr>
<td>Vice-President</td>
<td>Daniel Heinrichs</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Courtney Rix</td>
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<tr>
<td>Secretary</td>
<td>Alyssa Ball</td>
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<td>Forum Rep</td>
<td>Christopher Nichols</td>
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<td>Faculty Liaison</td>
<td>Matthew Go</td>
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#### Fall 2014 Semester

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<tbody>
<tr>
<td>President</td>
<td>Kristen McLaughlin</td>
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<tr>
<td>Vice-President</td>
<td>Brea McCauley</td>
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<tr>
<td>Treasurer</td>
<td>Ellie Gooderham</td>
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<td>Secretary</td>
<td>John Vandersgutten</td>
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<tr>
<td>Forum Rep</td>
<td>Madisen Hvidberg</td>
</tr>
<tr>
<td>Faculty Liaison</td>
<td>Daniel Heinrichs</td>
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### Library Committee Representative 2013 & 2014

Ross Jamieson
One of the hallmarks of the Department of Archaeology graduate program is its diversity. Our students conduct research on a wide range of topics falling under the archaeology umbrella. They are also active in a variety of social and political endeavors related to “being an archaeologist”. In all these arenas, our students excel.

In the time since the last report, we have admitted 19 graduate students, and our current graduate community is composed of 26 MA and 28 PhD students, and 7 Postdoctoral fellows. During this time, Sean Connaughton, Andrew Hickok, Michael Klassen and Diane Cockle were awarded doctoral degrees. Sean and Andrew are currently doing consulting work, Michael is teaching in the First Nations department at SFU and Diane has resumed her position with the RCMP. We also graduated 15 Masters students. Congratulations to all!

Our students have strong research records. They receive support from a range of national and international funding agencies. They publish widely, review articles for journals, and even sit on the boards of academic journals and societies.

While we have a strong local research program focused on the Pacific Northwest, our graduate students and their research is also highly international. Our graduate student body is made up of students from around the world, from France to Ethiopia. They conduct research in diverse regions such as the Galapagos, Ecuador, China, Israel and Africa. PhD student Mana Dembo and recently graduated Dr. Marina Elliott were chosen to participate in the National Geographic funded Rising Star Expedition outside Johannesburg where they excavated rare and important ancient hominid remains from a cave. The project, and their participation, received considerable press coverage.

It turns out that our graduate students are also excellent communicators. Several of our students competed in the SFU 3-Minute Thesis competition in 2014. MA student Aviva Finklestein, researching the use of the portable XRF machine to detect the origin of human skeletal remains, won first prize in the Faculty of Environment competition, and MA student Camina Manychief won “People’s Choice” for her presentation on the history of cradleboards among the Blackfoot. Aviva went on to win the university finals and was sent to participate in the western Canada competition as well. In addition, PhD student, Luseadra McKerracher was one of the top 25 finalists in the SSHRC storytelling contest for her telling of “Evolved Food Aversions and Cravings During Pregnancy on Yasawa Island, Fiji.”
Our alumni also continue to do us proud. RCMP Sgt. Dr. Diane Cockle, who received her PhD from our Department in 2014 with a specialty in forensic and biological anthropology, was awarded the SFU Alumni Public Service Award for her work with the National Forensic Identification Support Services. MA alumnus Sarah Oas won the 2014 AEA John Evans Masters dissertation prize for her research on plant use at the Bosumpra rockshelter in Ghana. Her research will be published in the *Journal of Archaeology*.

Collectively, our graduate students are a cohesive and active group. Our weekly seminar series, which is co-run by students and faculty, raises funds through a bake sale and raffle for student academic travel. Last year (2013-2014) they raised $1,110, and check out the awesome trowel cookies (pg 86). Coming up in March 2015 is the student organized *Archaeology Research Symposium* which will bring together archaeologists from around the lower mainland and will highlight our student’s research.

**Dana Lepofsky**  
*Graduate Program Chair*
GRADUATE DEGREES AWARDED

Master’s

Darcus, Laurie 2014  The Cultural Context of Grinding in Northern Ethiopia - An Ethnoarchaeological Approach
Gustavsen, Jenifer 2014  Developing a method for assessing the skillfulness and practice time for Upper Palaeolithic artists
Aloua, Ruth 2014  Reauthorizing KÇnaka ‘iwi Heritage Discourse at Kaloko-Honokãhau National Historical Park, Hawai’i
Kendall, Heather 2014  A Rocky Road: Chert Characterization at ST 109, Keatley Creek Site, British Columbia
Royle, Thomas 2014  There’s More than One Fish in the Sea: Investigating the Composition of Middle and Late Period Fisheries at EeRb-144, British Columbia, Canada through Ancient DNA Analysis
Ohman, Alexis 2014  Saltfish vs. Parrotfish: The Role of Fish and Mollusks in English Colonial Foodways at Betty’s Hope Plantation, Antiqua, West Indies
Zimmerman, Kasia 2014  Changing Ways, Constant Companions: The Ancient DNA and Local Knowledge of Tla’amin Dogs
Hogg, Erin 2014  Community Engagement in British Columbia Archaeology
Schepers, Kathleen 2013  Do Orangutans Really Laugh? An Investigation into the Existence of Tickle-Induced Play Vocalization among Pongo Pygmaeus at the Orangutan Care Centre and Quarantine in Kalimantan, Indonesia
Velliky, Elizabeth 2013  pXRF and Place Names: Painting a Narrative on Squamish Ochre Sources and Rock Art
Oas, Sarah 2013  Revisiting Bosumpra: Examining 10,000 years of Plant Use at the Bosumpra rockshelter, Ghana
Sellers, Ian 2013  A Historic Archaeology of Nuu-chah-nulth Barkley Sound: Material and Economic Change through the Nineteenth Century
Freeland, Travis 2013  Beyond Sourcing: Portable x-ray fluorescence (pXRF) and archaeological ceramics
Williams, Louise 2013  Revisiting the Locarno Beach Site (DhRt-6), Vancouver, BC

PhD

Connaughton, Sean 2014  Emergence and Development of Ancestral Polynesian Society of Tonga
Hickok, Andrew 2013  Palaeopathological and Palaeoepidemiological Analyses of Treponemal Infection on the Northwest Coast: A Unitarian Perspective
Klassen, Michael 2013  Indigenous Heritage Stewardship and the Transformation of Archaeological Practice: Two Case Studies from the Mid-Fraser Region of British Columbia
Cockle, Diane 2013  Human Decomposition and the Factors that Affect It: A Retrospective Study of Death Scenes in Canada
GRADUATE DEPARTMENTAL AWARDS

Spring 2013

Aloua Ruth Travel & Minor Research Award
Carleton William Provost’s Prize of Distinction
Carr-Locke Sarah CTEF Graduate Fellowship
Carr-Locke Sarah Travel & Minor Research Award
Darcus Laurie Provost’s Prize of Distinction
Darcus Laurie Travel & Minor Research Award
Freeland Travis Graduate Fellowship (Masters)
Freeland Travis Travel & Minor Research Award
Gaudreau Mariane CD Nelson Entrance Scholarship
LeBlanc Kathleen CD Nelson Entrance Scholarship
LeBlanc Kathleen Provost’s Prize of Distinction
Lewis Jennifer Travel & Minor Research Award
Mathews Bethany Travel & Minor Research Award
Oas Sarah Graduate Fellowship (Masters)
Oas Sarah Travel & Minor Research Award
Ohman Alexis Travel & Minor Research Award
Peterson Elizabeth Travel & Minor Research Award
Phaff Brianne Travel & Minor Research Award
Rodrigues Antonia CTEF Graduate Fellowship
Rodrigues Antonia Travel & Minor Research Award
Royle Thomas CD Nelson Entrance Scholarship
Scott Audrey Travel & Minor Research Award
Springer Chris Provost’s Prize of Distinction
Tarle Lia Travel & Minor Research Award
Velliky Elizabeth Travel & Minor Research Award
Zhang Hua Travel & Minor Research Award
Zimmerman Kasia Travel & Minor Research Award

Summer 2013

Aloua Travel & Minor Research Award
Carleton William Provost’s Prize of Distinction
Carr-Locke Sarah Graduate Student Research Award
Carr-Locke Sarah Travel & Minor Research Award
Darcus Laurie Grad Int’l Research Travel Award
Darcus Laurie Provost’s Prize of Distinction
Gaudreau Mariane CD Nelson Entrance Scholarship
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**Fall 2013**

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<td>Kathleen</td>
<td>Provost’s Prize of Distinction</td>
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Lewis
Lewis
Jennifer
Graduate Fellowship (PhD)
President’s PhD Scholarship
Jack Nance Memorial Grad Scholarship
Graduate Fellowship (PhD)
Graduate Fellowship (PhD)
CanPacific/Teck Resources Award
CD Nelson Entrance Scholarship
External Grad Award – General
Graduate Fellowship (Masters)
Special Grad Entrance Scholarship
Carlson Grad Scholarship in BC ARCH

Spring 2014

Aloua
Ruth
Travel & Minor Research Award
Astudillo
Fernando
Provost International Fellowship
Astudillo
Fernando
Travel & Minor Research Award
Balanzategui
Daniela
Provost International Fellowship
Balanzategui
Daniela
Travel & Minor Research Award
Beaulieu
Sarah
Provost’s Prize of Distinction
Beaulieu
Sarah
Travel & Minor Research Award
Carleton
William
Provost’s Prize of Distinction
Dielissen
Sandra
Travel & Minor Research Award
Finkelstein
Aviva
External Grad Award – General
Freeland
Travis
CD Nelson Entrance Scholarship
Gaudreau
Mariane
CD Nelson Entrance Scholarship
Hogg
Erin
Travel & Minor Research Award
LeBlanc
Kathleen
CD Nelson Entrance Scholarship
LeBlanc
Kathleen
Provost’s Prize of Distinction
Lewis
Jennifer
Travel & Minor Research Award
Manychief
Camina
Travel & Minor Research Award
Ohman
Alexis
Travel & Minor Research Award
Royle
Thomas
CD Nelson Entrance Scholarship
Royle
Thomas
Travel & Minor Research Award
Zimmerman
Kasia
Travel & Minor Research Award

Summer 2014

Astudillo
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Provost International Fellowship
Balanzategui
Daniela
Provost International Fellowship
Beaulieu
Sarah
Provost’s Prize of Distinction
Carleton
William
Provost’s Prize of Distinction
Carr-Locke Sarah Travel & Minor Research Award
Darcus Laurie Travel & Minor Research Award
Dembo Mana Travel & Minor Research Award
Elliott Marina Travel & Minor Research Award
Freeland Travis CD Nelson Entrance Scholarship
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Royle Thomas Travel & Minor Research Award
Springer Chris President’s PhD Scholarship
Tadesse Habtamu Grad Int’l Research Travel Award
Thibodeau Megan Grad Int’l Research Travel Award
Thibodeau Megan Travel & Minor Research Award

Fall 2014

Armstrong Chelsey Carlson Grad Scholarship in BC ARCH
Armstrong Chelsey Graduate Fellowship (PhD)
Armstrong Chelsey Travel & Minor Research Award
Astudillo Fernando Provost International Fellowship
Balanzategui Daniela Provost International Fellowship
Beaulieu Sarah Dr. J.V. Christensen Grad Scholarship
Beaulieu Sarah Graduate Fellowship (Masters)
Brown Kelly Graduate Fellowship (Masters)
Carleton William Graduate Fellowship (PhD)
Darcus Laurie Graduate Fellowship (Masters)
Dielissen Sandra CTEF Graduate Fellowship
Finkelstein Aviva Graduate Fellowship (Masters)
Finkelstein Aviva Jack Nance Memorial Grad Scholarship
Freeland Travis CD Nelson Entrance Scholarship
Gaudreau Mariane CD Nelson Entrance Scholarship
Hardy Evan Graduate Fellowship (Masters)
Henry Caitlin CTEF Graduate Fellowship
LeBlanc Kathleen Graduate Fellowship (PhD)
LeBlanc Kathleen President’s PhD Scholarship
Manychief Camina Travel & Minor Research Award
Marinho Luisa CD Nelson Entrance Scholarship
Marinho Luisa Graduate Fellowship (PhD)
Marinho Luisa Provost’s Prize of Distinction
Peterson Elizabeth Graduate Fellowship (PhD)
Rodrigues Antonia Travel & Minor Research Award
Simons Eric Graduate Fellowship (Masters)
Taddesse Habtamu Alexia Kiaii Arch Grad Scholarship
Taddesse Habtamu External Grad Award - General
Taddesse Habtamu Graduate Fellowship (PhD)
Tarle Lia Travel & Minor Research Award

EXTERNAL GRADUATE AWARDS

SSHRC Joseph-Armand Bombardier Canada Graduate Scholarships Program

2013

MA
Amelia Barker
Sarah Beaulieu

PhD
Antonia Rodrigues
Lia Tarle

2014

MA
Hannah Edmunds
Megan Thibodeau
Alexa Walker

PhD
Travis Freeland
Thomas Royle

Other Awards

2013

Wenner Gren 2013 - Habtamu Taddesse
Secretaría de Educación Superior, Ciencia, Tecnología e Innovación 2013 - Fernando Astudillo
Secretaría de Educación Superior, Ciencia, Tecnología e Innovación 2013 - Daniela Balanzategui

2014

Wenner Gren 2014 - Habtamu Taddesse
Secretaría de Educación Superior, Ciencia, Tecnología e Innovación 2014 - Fernando Astudillo
Secretaría de Educación Superior, Ciencia, Tecnología e Innovación 2014 - Daniela Balanzategui

PHD GRADUATES DIANE COCKLE AND MICHAEL KLASSEN.
The Archaeology Graduate Student Caucus (AGSC) meets regularly to discuss matters of interest and concern to the graduate students, including teaching, financial support, university-wide and department specific issues. All registered graduate students are members, and while we are required to follow the rules of order of the university’s Graduate Student Society (GSS) for recording purposes, we maintain a consensus-based model in decision-making.

Caucus funds are provided by the GSS and are determined by the number of students and our activity level. We received a slight increase in funds and combined with ticket and bake sales at the weekly department seminars, we were able to pay several travel awards for 2013-2014. The maximum, $300, was paid to six students, while all others received the amount requested. The ticket and bake sales continue to be an important source for supplementing graduate student travel funding, however we have recently noticed a significant decline in sales. Although graduate students can receive some travel funding through the Travel & Minor Research Award competition, it often does not cover all expenses. We continue to look for ways to support graduate students for travel to conferences and research opportunities.

The AGSC’s department rep, Sarah Carr-Locke, worked with the Graduate Executive Committee to update *A Guide to the Archaeology Graduate Program*. Sarah also updated the space-use policy for grad students to reflect the changing needs of the program. Sarah did an excellent job representing the AGSC in these matters and ensuring the policies are relevant.

In Spring 2014 we held a social networking event for graduate students and faculty. Chelsey Armstrong organized the event and secured funding from the GSS, the Archaeology Department, and Dongya Yang’s lab to purchase food and beverages. She also solicited door prizes for a raffle draw. The social was well-attended and a lot of fun, and the AGSC thanks Chelsey for pulling this together on our behalf.

The AGSC is charged with allocating funds and decision-making relevant to graduate students in the Archaeology Department, but we also use this opportunity to get to know each other, our research, and to share in our experiences (at school and “in the real world”).

Sandie Dielissen

*On behalf of the Archaeology Graduate Student Caucus*
**ARCHAEOLOGY GRADUATE STUDENT PUBLICATION LIST**

**Carleton, W. Christopher**, David Campbell, and Mark Collard  

**Gaudreau, Mariane**  

**Jackley, Julia**, Lindsay Gardner, Audrey Djunaedi, Anne K. Salomon  

**Jackson, Gabrielle**, Arne Ø Mooers, Evgenia Dubman, Jenna Hutchen, and Mark Collard  

**LeBlanc, Kathleen**  

**McKerracher, Luseadra**, Mark Collard, and Joseph Henrich  

Our undergraduate program graduated 88 majors and minors over 2013/14, including 8 honours students, maintaining our role as one of the largest archaeology undergraduate programs in Western Canada. Partly through the addition of Francesco Berna and Hugo Cardoso to our faculty, several new courses have been added to our program, including ARCH 285: Archaeological Science (which has both breadth science and quantitative designations), ARCH 286: Cultural Heritage Stewardship (with a breadth-humanities designation), ARCH 363: Landscape Archaeology, and ARCH 428: Soil Micromorphology.

Enrolments in Archaeology remain very strong, with in-class enrolment of 3,200 in 2013, and 3,326 in 2014, showing a steady growth of about 100 seats over the previous two years of course offerings. In summer 2014 we offered ARCH 100: Ancient Peoples and Places for the first time through Fraser International College, as part of a pathway to enrolment at SFU for students coming from overseas. This gives students at FIC early exposure to Archaeology as a possible major or minor to pursue.

The growth of our CRM certificate, with 38 awarded over the past two years, reflects students’ interest in gaining a credential which has become an industry standard in British Columbia. This has quickly become an important part of our ongoing role as a leading North American school in training undergraduates for the cultural resource management industry.

The Faculty of Environment has now completed a process of designing a Bachelor of Environment degree, with the first students now enrolling. We are very pleased that Archaeology offerings are an integral part of each of what are currently three different streams of degree offerings, exposing students to ideas about long-term human-environment interactions and the effects these interactions have on making decisions today. This is an exciting new development, with an opportunity to create many new connections between our department and all the other units in Environment.

It seemed fitting, as we move forward, to also honour some of the people who have made such a difference to this place over the years, through the creation of annual book awards to be given at graduation to outstanding undergraduate students. These new awards are the Phil Hobler Memorial Book Award, the Ann Sullivan Memorial Book Award, and the Richard Shutler Memorial Essay Prize. Each of these prizes was awarded for the first time at graduation in June 2014.

Ross Jamieson
Undergraduate Program Chair

Chris Papaianni
Manager and Academic Advisor

CAREY CUNNEYWORTH AND MELISSA SCOTT; 2013 FIELD SCHOOL, LION ISLAND, RICHMOND, BC.
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<td>2014</td>
<td>A Critical Review of Stable Isotopic Data on Neanderthal Subsistence</td>
<td>Dr. Mark Collard</td>
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<td>An Assessment of Sexual Dimorphism and Sex Estimation using Cervical Dental Measurements in a Northwest Coast Population</td>
<td>Dr. Hugo Cardoso</td>
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<td>Bakkelund, Aleesha</td>
<td>2013</td>
<td>Analysis of the Chipped Stone Assemblage from the Lithic Workshop at St’ames</td>
<td>Dr. Dennis Sandgathe</td>
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<td>Dick, Daniel</td>
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<td>Behind the Helmet: Analysis of Cranial Trauma in the Remains of a Greek Hoplite, with a Detailed Study on Supraorbital Notch Morphology, and its Potential as an Indicator of Sex</td>
<td>Dr. Deborah Merrett</td>
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<td>Following the Shore: Using Portable X-Ray Fluorescence Spectrometry (pXRF) to Reconstruct Material and Land-use Strategies in the Stave Watershed, British Columbia</td>
<td>Dr. Rudy Reimer</td>
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<td>The Backbone of Moche Society: Spinal Degenerative Joint Disease and Differentiating Social Stratification at San Jose de More, Peru</td>
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<td>An Exploratory pXRF Analysis of Non-Vitreous Igneous Artifacts at the Little John Site, Yukon Territory</td>
<td>Dr. Rudy Reimer</td>
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<td>The Metabolic Theory of Ecology does not explain variation in gestation duration, lactation duration, and development time in mammals</td>
<td>Dr. Mark Collard</td>
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<td>The Goat, the Clay, the Land and the People: A Bioarchaeological Analysis of Gender-Based Activity Patterns at Ganj Dareh Tepe, Iran</td>
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UNDERGRADUATE AWARDS AND PRIZES

Ingrid Nystrom Archaeology Award
- 2013/2014: Janice Nienaber
- 2014/2015: Daniel Heinrichs

Brian Williamson Memorial Award in Archaeology
- 2013/2014: Chloe Hemsworth
- 2014/2015: Michelle Murray

Jack Nance Memorial Essay Prize
- 2013/2014: Susan Blachnio
  “When the Past Speaks, the Future Listens: Analysis of Anishinabe Oral Traditions Through the Indigenous Perspective on its Presence in the Archaeological Record”
- 2014/2015: Christopher Nichols
  “Bare Bones of the Northman: A Review of English-Language Literature on Viking Osteoarchaeology”

Richard Shutler Memorial Essay Prize (formerly Chair’s Essay Prize)
- 2013/2014: Chloe Hemsworth
  “Identity Crisis: An Evaluation of Finding Two-Spirit People in the Archaeological Record”
- 2014/2015: Peter Carty
  “Rock Art of Arnhem Land: A case study from Narwala Garnmang”

Ann Sullivan Memorial Book Award (for service to the department)
- 2014: Michael Elvidge

Phil Hobler Memorial Book Award (highest academic standing)
- 2014: Janice Nienaber

FIELD SCHOOLS

Summer 2013
- Lion Island Historical Archaeology Field School
- Richmond, BC
- Field Director: Dr. Bob Muir

Summer 2014
- South Pacific Archaeology Field School
- Fiji and Tonga
- Field Director: Dr. David Burley

Fall 2014
- Dig Greece: Archaeology Field School
- Kefalonia, Greece
- Field Director: Dr. Geoffrey Schmalz

ROGER CRISOSTOMO AND ERIC SIMONS, 2013 FIELD SCHOOL, LION ISLAND, RICHMOND, BC.
**UNDERGRADUATE COURSES OFFERED**

**Spring 2013**

**ARCH 100-3 Ancient Peoples and Places**
- C100 Distance R. Jamieson
- D100 Burnaby D. Sandgathe
- D200 Burnaby E. Bumann
- D900 Surrey A. Higueras
- E100 Vancouver D. Ross

**ARCH 131-3 Human Origins**
- C100 Distance D. Sandgathe
- D100 Burnaby D. Sandgathe
- D900 Surrey D. Sandgathe

**ARCH 201-3 Introduction to Archaeology**
- D100 Burnaby D. Maxwell

**ARCH 273-3 Archaeology of the New World**
- D100 Burnaby E. Yellowhorn

**ARCH 321-3 Select Regions in World Archaeology I: First Nations Cultures of North America**
- D100 Burnaby R. Reimer

**ARCH 322-3 Select Regions in World Archaeology II: Near East Archaeology**
- E100 Burnaby L. Welton

**ARCH 349-5 Management of Archaeological Collections**
- E100 Burnaby B. Winter

**ARCH 372-5 Material Culture Analysis**
- D100 Burnaby B. Muir

**ARCH 373-5 Human Osteology**
- E100 Burnaby D. Merrett

**ARCH 376-5 Quantitative Methods in Archaeology**
- D100 Burnaby B. Muir

**ARCH 377-5 Historical Archaeology**
- D100 Burnaby R. Jamieson

**ARCH 383 Molecular Bioarchaeology**
- E100 Burnaby D. Yang

**ARCH 385-5 Paleoanthropology**
- D100 Burnaby M. Collard

**ARCH 471W-5 Archaeological Theory**
- D100 Burnaby G. Nicholas

**Summer and Intersession 2013**

**ARCH 100-3 Ancient Peoples and Places**
- C100 Distance R. Jamieson
- E100 Burnaby (Int) D. Sandgathe

**ARCH 131-3 Human Origins**
- C100 Distance D. Sandgathe
- E100 Burnaby (Int) D. Sandgathe

**ARCH 201-3 Introduction to Archaeology**
- D100 Burnaby (Int) D. Burley

**ARCH 285-3 Archaeological Science**
- D100 Burnaby (Int) F. Berna

**ARCH 301-3 Ancient Visual Art**
- C100 Distance B. Winter

**ARCH 322-3 Special Topics in Biological Anthropology: Plagues and People**
- E100 Burnaby (Int) D. Merrett

**ARCH 433-3 Background to Field Work**
- D100 Burnaby B. Muir
  (Local Field School)

**ARCH 434-3 Archaeological Field Methods**
- D100 Burnaby B. Muir
  (Local Field School)

**ARCH 435-6 Field Work Practicum**
- D100 Burnaby B. Muir
  (Local Field School)

**Fall 2013**

**ARCH 100-3 Ancient Peoples and Places**
- C100 Distance R. Jamieson
- D100 Burnaby D. Maxwell
- D200 Burnaby R. Jamieson
- D900 Surrey D. Sandgathe
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<td>Distance D. Sandgathe</td>
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<td>Burnaby M. Collard</td>
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<td>D900</td>
<td>Surrey D. Sandgathe</td>
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<td>Vancouver D. Maxwell</td>
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<td>Introduction to Archaeology</td>
<td>D100</td>
<td>Burnaby D. Maxwell</td>
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<td>D100</td>
<td>Burnaby D. Ross</td>
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<td>C100</td>
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<td>Burnaby F. Berna</td>
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The Archaeology Student Society has continued a strong presence in the Archaeology Department and Faculty of Environment over the last several years. We have continued the Meet and Greet socials every semester, which continue to be a success. We have also increased the amount of other social events in the first few months of each semester such as board game nights, pub nights, movie nights, camping trips, and so on. We re-established conference funding through the SFSS with a petition and letters, which has already helped interested undergraduates in attending conferences throughout the province. Every spring we have the Undergraduate Student Symposium with the Faculty of Environment, where our own students give presentations on research they are conducting or taking part in, with time for a question and answer period. Along with the symposium we have done more work with the Faculty of Environment and its other departments, helping to orchestrate the first of several Faculty of Environment Meet and Greets, Faculty of Environment Pub Nights, and a GIS Workshop that was aided by the Department of Geography. In the future we hope to increase this connection with inter-departmental field trips, social events, and more.

*The Debitage*, the A.S.S. newsletter, has continued to be successful and engaging to people presently in the department and beyond. Special thanks to the editors we have had over the last two years (Nyomi Sherwin, Courtney Rix, and Chelsea Muirhead) and its contributors.

We consider ourselves an active student society and are always striving for new ways to connect students, department, and faculty. Our goal is always to nurture the personal and professional relationships of our undergraduates. Our executives do an excellent job of keeping our students up to date on department and faculty news and ideas and vice versa. We can only hope to continue this positive work. A huge thank you goes to the department and staff for contributing so much to the A.S.S. as well as to the executives that make all of this work possible.

**Kristen McLaughlin**

*On Behalf of the Archaeology Student Society*
In the summer semester of 2013 the Department of Archaeology held a local field school on Don and Lion Islands along the lower Fraser River in Richmond, BC. Taught and co-directed by Drs. Robert Muir and Douglas Ross the field school included participation by nineteen undergraduate students.

The islands were once home to the Ewen Salmon Cannery (1885–1930), previously the subject of Dr. Ross’ doctoral research at SFU on the everyday lives of Chinese and Japanese labourers at the cannery (Ross 2009) and detailed in his book, *An Archaeology of Asian Transnationalism* (Ross 2013). Canneries usually included racially segregated, multiethnic work camps housed in seasonally occupied wooden buildings erected on pilings over the intertidal zone. Chinese immigrant men comprised a large proportion of the workforce inside the canneries, which also included European men and Japanese and aboriginal women, while Japanese men worked almost exclusively as fishermen, alongside First Nations and Europeans from various nations. Our research objective was to gather data from work camps and individual dwellings associated with the cannery to expand Ross’ comparative study to include individuals and groups from other ethnic/racial and class backgrounds. The bulk of investigation efforts focused on two adjacent
bunkhouses of unknown ethnic affiliation located midway along the north shore of Lion Island and the Japanese fishing camp at the eastern end of the island. We also conducted limited investigations at the location of two small dwellings in the industrial complex at the west end of Lion Island, plus surface collection of artifacts at the site of the cannery manager/caretaker’s house and the Chinese bunkhouse.

In conjunction with the field school, students completed independent research projects on some aspect of the history, archaeology, or material culture of the cannery and its inhabitants. Of particular note are Roger Cristostomo’s GIS-based reconstruction of the former locations of cannery structures and Eric Simons and Sara Bucci’s field survey of contemporary plant species on both islands for evidence of possible links to the cannery period.

In mid-July, a film crew from Metro Vancouver visited Lion Island and produced a short video on our research, which can be found in the Media Room section of the metrovancouver.org website or viewed directly. Some of the highlights of our fieldwork were also chronicled in a student-run blog, which we are updating as analyses progress.

References Cited

Ross, Douglas E.
2009. Material Life and Socio-Cultural Transformation among Asian Transmi-grants at a Fraser River Salmon Cannery. Ph.D. dissertation, Department of Archaeology, Simon Fraser University, Burnaby, BC.

Ross, Douglas E.
The 2014 South Pacific Archaeology Field School had 19 students who participated in classroom work on the SFU campus and at the University of South Pacific in Suva, Fiji with an excavation practicum in the Kingdom of Tonga. The field school provided students with 12 hours of SFU credit including courses in Culture, History and Heritage in Tonga and Fiji (ARCH 331-3), Archaeological Field Methods (ARCH 434-3) and Archaeological Fieldwork Practicum (ARCH 435-6). The field school was coordinated and offered through SFU International, the Department of Archaeology and the Oceania Centre for Arts, Culture and Pacific Studies at USP. While in Fiji, students also took part in a variety of tours and events, including a full day visit to Waidracia Village in the Naitasiri Highlands of Viti Levu. Stemming from their visit to the local high school in Naitisiri, they subsequently fundraised over $3500 at SFU to purchase computers for student use.

The first part of the practicum involved archaeological survey and site recording at the Sigatoka Sand Dunes National Park in Fiji. This follows up on archaeological surveys by several
earlier SFU field schools. The Fiji Museum and National Trust for Fiji use newly recorded and up-dated site data for conservation management along the 5.1 km long National Park coastline. The second practicum component incorporated student excavations at the Nukuleka site on the island of Tongatapu in southern Tonga. Based on radiocarbon and U/Th dates as well as early Lapita phase ceramic data, Nukuleka is identified as the founder settlement for Tonga and the earliest site thus far documented in Polynesia. Students undertook excavations in a section of the site where over 2 m of shell midden deposit and early Lapita ceramics had been recorded previously. The practicum additionally involved their participation in laboratory work for the curation, cataloguing and packing of recovered data. A range of other student practicum projects was carried out, from development of a lesson plan in archaeology for the local elementary school to the identification and mapping of late period burial mounds on the Nukuleka Peninsula as identified by air borne LiDAR imagery. The 2014 fieldwork practicum in both Fiji and Tonga implemented a “paperless archaeology” methodology, with virtually all field data recorded electronically using PC tablets.
Since 2008, SFU’s ‘Dig Greece’ program has operated on the Island of Kefalonia in the Ionian Sea under the auspices of the Greek Ministry of Culture and Archaeological Services. In 2014, excavations continued in the Pronnoi region (SE corner of the island near Poros) at the cemetery or necropolis dating from the late Archaic to early classical periods. The site overlooks the Arakli Valley just below the ancient Pronnoi acropolis or ‘Paliokastro’.

Sixteen students, under the supervision of the Director, Geoffrey Schmalz, combined field and lab work experience and were introduced to Mycenaean civilization through a special topics course “The Worlds of Homer….” A former SFU archaeology student osteologist, Lisa McKenzie, and bronze age specialist, Odysseas Metaxas, assisted.

The excavations themselves yielded insights into unusual burial practices (the dead are interred in elongated terra-cotta vases (pithoi) placed in horizontal positions), ceramics, jewelry and household items of the period.

The students also benefitted from numerous field trips to iconic sites ranging from Bronze Age to Byzantine both on and off the island.

Casey Gray summed up his experience as follows: “Excavation was not always easy; it required long periods of physical labour, sometimes in warm and humid conditions and often started early in the morning. But at the end of the day, it was some of the most rewarding work I’ve done so far in my life.”
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; oversee laboratory safety; and curate the department’s teaching and research collections. Currently the Laboratories are staffed by Shannon Wood, Manager, and Peter Locher, Technician.

In 2013-2014, laboratory staff supported eighteen laboratory classes, two field schools and approximately forty field and laboratory projects led by faculty, graduate and undergraduate students, and visiting researchers. Ten work-study students and five volunteers have been supervised on various projects, including work in the zooarchaeology collection, the historic collection and osteology. Department teaching and reference collections and excavation level materials are being stored and maintained on an ongoing basis. Databases are undergoing revisions.

In the fall of 2013, security was upgraded in the 8000 level of the laboratory hallway in the Education Building. This upgrade consisted of an alarm system, keypads on both doors and motion sensors. In the spring of 2014 a rolling storage system was installed in EDB 9643. This system increases storage capacity and improves the curatorial environment for the collections. In the fall of 2014, we received estimates and plans for the installation of windows in the laboratories on the 8000 level of the Education Building. This project is ongoing. Work has also begun on repairing the humidity systems in SWH 9120, 9121 and 9125.

Smaller projects include renovations carried out in response to the air quality problems plaguing the Education Building as a whole. Mould discovered in the General Office resulted in mitigation in fall, 2013. Following a building-wide inspection, work has also begun in EDB 9618 and 9627.

The response to air quality problems due to mould in the Education Building continues. Related to this, hepa vacuuming of the cedar ceiling grids in rooms on the 9000 level of the Education Building began in the fall. Laboratory staff took part in meetings involving all units in the Education Building on this matter. In January 2014 a survey was issued and in February a building-wide inspection took place. The final report issued in September 2014 identified any areas needing further inspection. Areas of
concern are or have been mitigated or are being monitored.

New safety policies were developed for the laboratories in January 2014: *Laboratory Safety Course Requirements and Policy for Undergraduate Students and Hazardous Chemicals*. All persons working in the Department Laboratories must now provide the Laboratory Manager with proof that they have taken all the University’s Laboratory Health and Safety courses pertinent to their research. Protocols for embedding soil samples were also tweaked in conjunction with investigations held by Environmental Health and Research Safety. Chemical disposal and door signage were updated. As needed, laboratories were recertified. The Laboratory Manager also took part in a university-wide field safety working group.

With the assistance of Laura Walker, laboratory staff updated the Department webpages to the new, more mobile friendly format. Computers in the computer lab have been put on NexGen, a university management system that, among other things, performs automatic updates. Staff continue to update webpages and support all department members with computing related operations and trouble-shooting issues. Staff also attend the regular meetings of the university-wide Local Area Network Administrator Group.

In October 2013, the laboratories repatriated four individuals from Bliss Landing to the Tla’amin. In July 2014 the Labs hosted a lunch for representative of the Laich–Kwil-Tach Treaty Society and repatriated five individuals. Peter was able to attend the reburial ceremony. We continue to be involved in the logistics of returning Jack Nance’s Kentucky material to the Land Between the Lakes National Recreation Area (US Forest Service).

Major purchases for the department during this time include a boat motor, microscopes, teaching casts and equipment for the bioanthropology courses, tablets for ‘paperless’ field work and software for 3-D reconstructions. Staff also assisted faculty in major purchases for their projects or to set up their new laboratories. Replenishment of general field school and small laboratory equipment continues. Field and laboratory equipment is serviced on an annual or biennial basis. All marine vessels have been registered in accordance with new Risk Management requirements and in fall 2014 the *Archaeonaut* was recertified.

A number of laboratory tours have been conducted for high school students, lower division introductory archaeology courses, the university’s Day of Welcome, self-identified archaeology majors and visiting researchers. We have also assisted in providing material for the FEnv table at Science Alive. Peter has been involved in organizing and leading two geoarchaeology field trips, one for ARCH 438 and one for the Geological Society of America conference.

**Shannon Wood**  
*Laboratory Manager*
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 North America’s Northwest Coast, Latin America, Africa, and the Pacific Rim.

The highly successful Research Associates programme continued since its launch in 2012. All positions are project-oriented with career and learning aspirations matched to projects. The programme allows research associates to relate theory to practice and gain practical experience in a field of interest. The first six RAs have all been successful in finding employment in the field or graduate school acceptance.

Balanced with the needs of the RAs, several Museum goals have been completed by the RAs. The Archival RA organized and continued digitization of 35mm slides. I am arranging with the Library to use their digitization and backup facilities for this collection. After the installation of new exhibit cases, the RAs lead a team of students/volunteers to completely renew the exhibit galleries. Every exhibit was completely re-designed with new themes, artifacts, labels and images. The new exhibits include: large objects from the NWC, including a new conservation mount for the bear costume; ethnobotany/birchbark; weapons, featuring a newly acquired sword with an Arabic inscription that has drawn a great deal of visitor attention; artifacts found in recent field schools; ivory and elephant poaching;

Jackie Timothy, Tla’amin Carver, was Artist in Residence in the Fall 2014.
argillite; NWC masks; new mounting systems for two canoes and objects from the South Pacific. The Museum acquired two free drawer exhibit cases, which have small exhibits tied into themes taught in the material culture class.

The 2014/2015 RAs have specific projects; Amanda Smith-Weston is developing a series of exhibits for the 50th anniversary, Marie Gurr is revising and compiling the museum’s Procedures Manual and Robyn Ewing is editing collection records and revising on the collection database. During the summer of 2015 most exhibits will be dismantled and a new series created celebrating SFU’s 50th anniversary with important, significant or visually interesting objects that have rarely or never been exhibited before.

The curator continued the practice of engaging local communities by working with Karen Aird of the Treaty 8 group in Fort St John to design the Tse’K’wa Interpretive Centre at Charlie Lake Cave, travelling to Ft. St. John with Jon Driver for Aboriginal Day celebrations and to Tumbler Ridge to assist the local museum in their successful application to UNESCO for GeoPark status. A large collection of lithics from the Fort St. John area were donated to the museum in December 2012. This collection is being accessioned, catalogued and photographed by students and volunteers prior to its repatriation to Tse’K’wa.

We continue to build the collections of the museum through an active acquisitions and donation programme. Donations of objects received during the review period include the large lithics collection from Fort St. John, ethnographic objects from Ethiopia, and contemporary NWC masks. The archival collection is being actively developed through donation and ongoing collection management. Image collections are increasing in importance with the expansion of the web, virtual exhibits, reconstructions and online education. The collection documents 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, web and gallery based exhibits and limited use rights are sold to publishers and documentary filmmakers, providing a small revenue stream for the museum. In the last two years we have received images of archaeological sites, objects and people from North America, Europe and Africa.

Barbara Winter
Museum Curator
The Administrative Offices of the Department of Archaeology are responsible for the timely execution of the approved academic plan, for managing enrollments, executing the temporary instruction and general operating budgets on target, and for administering student award and scholarship funding. The Administrative Office supports Archaeology undergraduate and graduate students through academic and procedural advising from application through to graduation, and our faculty with teaching and research grant administration, appointments, leaves, promotions, and salary reviews.

During this biennial period the Administration office administered the mounting of approximately 220 class sections, at both the undergraduate and graduate level. Approved enrollment increases were implemented as space and financial opportunities became available. There were approximately 6,500 undergraduate course registrations, 210 undergraduate majors, and 54 graduate students enrolled in Archaeology programs during this period. Support to students included the financial administration of approximately $300,000 in scholarship and award funding for graduate students and $9000 for undergraduate students.

Following the academic plan and its subsequent temporary instruction budget, teaching and support positions were advertised and contracts prepared and executed for approximately $660,000 during this two-year period. There were 16 sessional, 58 teaching assistant, and 6 lab instructor positions filled between January 2013 and December 2014. Administrative staff also managed the collection of TSSU’s time use guidelines for teaching assistants, workload reviews and their teaching evaluations.

Archaeology faculty research portfolios continued to be very strong and provided a great deal of financial support to graduate students and research fellows alike. The Administrative Office supported faculty research by providing financial administration, assisting and facilitating with approximately 200 employment contracts for research assistant and work study students, numerous independent contractor agreements, and by providing and administering purchasing, payment and reimbursement advice and support for research grant and special purpose expenditures during the biennial period.

New technologies and procedures are ongoing. New systems implemented during this period included a new course outline administration system, textbook requisition system (Verba Collect), and a new graduate application and admission system (OASIS).

Chris Papaianni
Department Manager
CENTRE FOR FORENSIC RESEARCH (CFR)

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 2013. With the hiring of Dr. Hugo Cardoso in 2013, as a faculty replacement for Dr. Mark Skinner, Dr. Cardoso replaced Dr. Yang as one of the co-directors of the Centre in 2014. During 2013-14 Andrew Barton continued to be the operations manager of the Centre.

The Centre has provided forensic anthropology, forensic archaeology and forensic DNA services to both BC and Yukon Coroner’s Service and the RCMP. Although the capacity of this service was significantly affected by the retirement of Dr. Skinner in 2011 and later with the departure of Dr. Ana Boza-Arlotti from the Centre to another position in 2012, since 2013 it has been considerably increased and enhanced with the hiring of Dr. Cardoso, with the assistance of graduate students and other Research Associates of the CFR, namely Dr. Francesco Berna a new faculty member from the Department of Archaeology and Dr. Deborah Merrett an existing adjunct faculty from the Department. Dr. Cardoso has been involved in case work for the RCMP and the Yukon Coroner’s Service and his graduate students are currently involved in different research projects to develop new and enhanced techniques that will improve facial approximations in children (Lisa Simon), determinations of cause of death from blunt force trauma analysis (Luisa Marinho) and age estimation in juvenile skeletal material (Laure Spake). Dr. Cardoso has also received a grant from The Natural Sciences and Engineering Research Council of Canada (NSERC) to develop an outdoors taphonomy facility on the Burnaby campus to investigate long term changes in the physical and chemical structure of bone. In addition, Dr. Yang and his graduate students have been involved in individual identification of cold cases using ancient DNA methods, in experiments to study molecular taphonomy and DNA degradation in bones, teeth and soils, as well as developing DNA identification methods for human skeletal remains, animal and plant materials for forensic and wildlife investigations. Graduate student Antonia Rodrigues continues to develop DNA-based techniques for specific identifications of processed pangolins products under the C. Stevens Wildlife Award.

Hugo Cardoso
CFR Co-Director
The SFU-JLU Joint Centre for Bioarchaeological Research (JCBR) was officially opened in Nov., 2013 when SFU President Andrew Petter visited Jilin University (JLU) in China. The centre provides a platform for faculty, scholars and students from both SFU and JLU to join forces to advance bioarchaeological studies in Canada and in China and to create an opportunity for both Canadian and Chinese students to gain international research experience in both countries.

JLU is the largest university in China and it is often rated among the top 10 in the country. JLU also runs the largest university training program in archaeology in China. The relationship between SFU and JLU is historically significant and highly valued, as JLU has been SFU’s partner for almost 30 years. It is the first partnership that SFU developed in China, and one of the first in Canada.

The Centre currently has 6 SFU faculty members, Dongya Yang (as the SFU director), Jon Driver, Cathy D’Andrea, Deborah Merrett, Hugo Cardoso, Francesco Berna and 11 JLU faculty members with Hong Zhu as the JLU director.

In the past 18 months, with the support from a SSHRC Partnership Development Grant, the Centre has been focusing on two major tasks: undertaking planned collaborative research projects, and creating opportunities for graduate and undergraduate training.

On-going projects include those in human osteoarchaeology in which Deborah Merrett and I have been involved with both Ph.D. and M.A. graduate students (Grace Zhang and Evan Hardy), and others in zooarchaeology in which Jon Driver has been involved with a visiting graduate student Zhe Zhang from JLU. Efforts are being made to develop new research projects involving expertise of the other members of the JCBR.

Faculty and graduate students from SFU and JLU have run two very successful two-week summer workshops in human osteoarchaeology at JLU with 26-28 top students from 13-16 top universities in China in 2013 and 2014 respectively. The competition to get into the workshop is extremely high as English is used as an instructional language. The impact is expected to be huge to both Chinese and SFU students as most of the participants will continue their academic and professional careers in archaeology in and outside China.

Through the Centre, three JLU graduate students (Xiaoming Xiao, Xu Zhang, and Zhe Zhang) have each spent one semester at SFU as a visiting research student conducting their visiting research in the Department, and two SFU graduate students (Grace Zhang and Evan Hardy) and three SFU undergraduate students (Chichi Lam, Matthew Go and Peter Wallace) have each spend 1-2 months at JLU helping run a workshop, collecting research...

data and undertaking their experiential learning of Chinese archaeology.

With the support from SFU International Engagement Fund, in April 2014, the Centre ran one-day SFU-JLU Graduate Symposium on Bioarchaeology at SFU, with 27 presentations, 9 from Chinese faculty and graduate students, 16 from SFU and 2 from UBC.

The Centre has also hosted two public lectures related to bioarchaeology or Chinese archaeology:

Desert Dwelling and Living on the Fringe: a Bioarchaeological Approach to the Interpretation of Ancient Lives in the Dakhleh Oasis, Egypt (on Oct.1, 2014) by Dr. Toshia Dupras of University of Central Florida; and Hydrological Changes and Early Rice Farming in China: a Molecular Isotope Analysis (on Oct.21, 2014) by Dr. Hong Yang of Bryant University.

Dongya Yang
JLU-SFU Director

SFU ARCHAEOLOGY PRESS

Archaeology Press remains in the black in spite of the increases in costs of formatting, printing and binding, and mailing using Canada Post. The only new publication is Toolstone Geography of the Pacific edited by Terry Ozbun and Ron Adams that contains chapters by former SFU students including Ron Adams as well as by archaeologists from other universities and consulting firms. The only other publication in preparation is Archaeology of the Fraser Valley being edited by Mike Rousseau and Roy Carlson that will be ready before the SAA meets in Vancouver in 2017.

Sales prompted by our website have noticeably decreased although both Debbie Cannon’s Marine Fish Osteology and Projectile Point Sequences in Northwestern North America continue to be ordered frequently. Most sales continue to be at professional conferences notably the CAA, the NW Anthropological Conference, and the BC Archaeology Forum thanks to the volunteer efforts of Maureen Carlson who manages the sales and sold and took orders for $4,400 worth of books at the most recent NW conference.

Indian Art Traditions of the Northwest Coast edited by Roy Carlson and published in 1983 is now out of print and will not be reprinted as it is judged to be too out of date. It has been reprinted twice and has sold slightly over 5,400 copies.

Most monographs over ten years old have now been declared to be “remainders” and are being sold at $5.00 per copy at professional meetings, but remain available on-line at their original price. Fed-Ex is currently a cheaper way of sending books than Canada Post and is being used for sending on-line orders. Consideration is being given to publishing new material on-line.

Brian Hayden, Alan McMillan, and George Nicholas continue as the Archaeology Press Advisory Board and assess all manuscripts before publication. Roy Carlson continues as Managing Editor.

Roy Carlson
Managing Editor
The SFU Human Evolutionary Studies Program (HESP) involves faculty, postdocs, graduate students, and undergraduates from several SFU units, including the Departments of Archaeology, Biological Sciences, Economics, Health Sciences, and Linguistics, and the Beedie School of Business. Established in May 2011 with a $1,143,125 grant from the Community Trust Endowment Fund, its goal is to become an internationally-recognized research and training “hub” that will simultaneously advance the integrated understanding of the body, mind, behaviour, and social institutions of Homo sapiens within the framework of evolutionary theory, and maximize the contribution of SFU researchers to this important, dynamic, and publicly visible field of research.

The Department of Archaeology is heavily involved in HESP. Its director is a faculty member from the Department of Archaeology, Prof. Mark Collard. Among the other members of the Department of Archaeology who take part in HESP’s activities are Dr. Francesco Berna, Dr. Dennis Sandgathe, Dr. Pablo Nepomnaschy, Dr. Kimberly Plomp, Dr. Benjamin Raffield, Dr. Vance Hutchinson, and Dr. Marina Elliott. Archaeology graduate students who currently participate in HESP include Amelia Barker, Chris Carleton, Mana Dembo, Gabby Jackson, Luseadra McKerracher, Megan Thibodeau, and Don White.

In the 24 months covered by this biannual report, we have made progress toward HESP’s goal of creating and fostering Human Evolutionary Studies at SFU by recruiting faculty, postdocs, graduate students, and undergraduates to HESP, and by organizing events that are designed to foster collaborative relationships not only among the members of HESP but also between HESP members and researchers at other research institutions. We have also worked towards HESP’s goal by supporting interdisciplinary research projects, and by providing HESP’s student and postdoc members with training that crosscuts traditional disciplinary boundaries. Lastly, we have pursued HESP’s goal by disseminating the results of our research in peer-reviewed books, papers, and academic presentations, and by organizing symposia that are accessible to researchers in other disciplines and the general public. Details of these activities can be found at the following website: http://hesp.irmacs.sfu.ca/

Mark Collard
HESP Director
INTELLECTUAL PROPERTY ISSUES IN CULTURAL HERITAGE PROJECT (IPINCH)

The Intellectual Property Issues in Cultural Heritage (IPinCH) Project, based at Simon Fraser University, is an eight-year international research initiative exploring the rights, values, and responsibilities associated with material culture, cultural knowledge and the practice of heritage research, with a particular focus on Indigenous peoples. The project serves as both a practical resource and a network of support for communities and researchers engaged in cultural heritage work. The international research team consists of 52 scholars representing 28 universities, 26 partnering organizations, 16 graduate fellows, and 80 Associates. It is directed by George Nicholas.

IPinCH has three primary research components: 1) a total of 15 Community-Based Initiatives exploring topical heritage issues in specific local contexts; 2) eight thematic Working Groups examining theoretical, practical, ethical, and policy implications of IP issues in heritage; and 3) the IPinCH Knowledge Base. This framework provides grounded, case-based, empirical data that inform collective analyses of theory, practice, policy and research on IP issues and their implications in domains such as research ethics, human rights, sovereignty, open access, resource management, and cultural commodification.

The first five years of the IPinCH project focused on community-based research initiatives and the collection of empirical data. IPinCH works closely with Indigenous communities in many parts of the world. Through funded case studies spanning the globe, the initiative’s community-based approach engages communities in all aspects of the research process—from development of research topics and research design to conducting the research, designing outputs, and disseminating results. These studies are designed to meet community needs related to heritage:

MEMBERS OF THE IPINCH PROJECT AT THE 2014 “WEAVING US TOGETHER” IPINCH FALL GATHERING, MUSQUEAM HERITAGE CENTRE.
In the final phase of the project, IPinCH is now focused on data synthesis, exploration of implications of findings for broader themes, and completion of community initiatives. This has included efforts to improve university research ethics policies, and the drafting of the 2014 Declaration on the Safeguarding of Indigenous Ancestral Burial Grounds as Sacred Sites and Cultural Landscapes to help address outstanding issues in BC heritage management.

The IPinCH team has organized international symposia, workshops, and conferences, and provided extensive support and mentoring to many graduate and undergraduate students.

A variety of scholarly and applied outputs are completed or in progress, including toolkits documenting good practices in community-based heritage research, videos and podcasts to better educate the public about IP issues, edited volumes to share new theoretical and practical understandings, and targeted reports to inform relevant policy at local to international levels. Additional information on these and more is available on the project website: www.sfu.ca/ipinch

George Nicholas
IPinCH Director
Since achieving departmental status in 2012, First Nations Studies is becoming a fixture in the Faculty of Arts and Social Sciences. The department has five faculty representing 3.75 full-time equivalent appointments. Drs. Annie Ross and Deanna Reder were both awarded tenure in 2013. Four continuing faculty hold joint appointments: two are ¼ time in Archaeology; one is ¼ time in English; one is ½ time in Anthropology. Our mission is to deliver courses within the Faculty of Arts and Social Sciences that investigate indigenous knowledge in its traditional and contemporary milieux. First Nations Studies curriculum specializes in topics that reference perspectives derived from the experience of Aboriginal people. Moreover, the principle of respect for Aboriginal peoples and cultures is implicit in the creation of the Department of First Nations Studies.

By its very nature, First Nations Studies encourages interdisciplinary research and our faculty have made significant contributions to their respective disciplines. In 2013, Dr. Marianne Ignace received a SSHRC Partnership Grant of $2.7 million for a project focused on revitalizing aboriginal languages in British Columbia. Our faculty 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 indispensible for certificates, such as the CRM certificate in Archaeology, minors, such as Development Studies (DEVS), and the proposed major leading to a BENV. Media outlets routinely contact our department for expert analysis of topics germane to Aboriginal people.

The Department of First Nations Studies encourages interdisciplinary research grounded in the fine arts, social and natural sciences and humanities. Constructing a dynamic scholarly regime that engages aboriginal communities in our studies of traditional and ecological knowledge, ancient and modern aesthetics, languages and literatures fulfills that ideal. We are also sensitive to the principle that our research must be respectful of Aboriginal peoples and cultures, so our faculty members are mindful of adding accurate content to the discourse that chronicles the aboriginal experience in contemporary society.

We offer undergraduate courses in First Nations Studies that span environmentalism (ethnobotany, environmental justice), gender studies, heritage stewardship, traditional knowledge and humanities. Teaching and researching in these subjects will give our department, and SFU, a pivotal role in producing students who can appreciate the conditions affecting Aboriginal people and perhaps contribute to making a difference. A better understanding about this segment of Canadian society depends on the university and the broader community receiving the latest data and the most accurate interpretation. 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
FRANCESCO BERNA

I joined the department in January 2013 and expanded the Geoarchaeology lab instrumentation with Fourier transform infrared spectrometry and micro-spectrometry capability and thin sectioning machinery. The core of my 2013-2014 research has been the onset of the controlled use of fire during the Lower and Middle Paleolithic in South Africa, Europe, and the Middle East and the origin of the Upper Paleolithic in Southern Levant. These two lines of research saw me co-directing excavation at Early Stone Age sites of Wonderwerk cave in South Africa, excavating and being in charge of reconstructing site formation processes at the Upper Paleolithic site of Manot Cave in Israel, and analyzing Neanderthal combustion features from Oscurusciuto rock-shelter in Southern Italy. Being awarded a SSHRC development grant I had the opportunity of involving undergraduate (Jan Anderson, Peter Wallace, Lisa Chatwin) and graduate students (Meg Thibodeau) both in the field and lab to work on the analysis of occupational deposits and combustion features from these sites. With Meg Thibodeau, as part of her MA thesis, we have been working on the development of a protocol to identify single grains of wood ash using Infrared micro-spectroscopy. The Geoarchaeology lab has contributed to other several important issues in Old and New World Archaeology. These include: Dating the earliest out-of-Africa evidence of Homo erectus at Dmanisi; The nature of the evidence of fire at the Early Stone Age site of Koobi Fora, Kenya; The origin of Middle Paleolithic/Middle Stone Age in South Africa (Fauresmith level at Wonderwerk cave, Kathu Pan 1, and Bestwood farm) and in the Caucasus (Proto-levallois levels in Armenia); the site formation processes at the Final Pre-Pottery Neolithic site of Beisamoun in the Upper Jordan Valley, as part of the PhD dissertation thesis work of Harris Greenberg (co-supervisee at Boston University, USA).

DAVID BURLEY

My research activities in 2013/2014 were split between longstanding interests in the Kingdom of Tonga and more recent research being conducted with Dr. Robyn Woodward (SFU Adjunct Professor) in Jamaica. Additionally, I published a review paper in *Current Anthropology* on Fijian ethnogenesis, addressing the question of Fijian origins and bringing together strands of work in Fiji and Tonga over the past two decades.

During the 2013/2014 period, I was fortunate to receive a SSHRC Insight grant (2013-2016) to pursue additional investigations related to Polynesian origins in Tonga. In this respect, the 2013 field program was preparatory for a major excavation project to be carried out at the Tongan founder settlement of Nukuleka. Additionally in 2013, PhD student Bre Phaff and I visited previously excavated Lapita sites on Tongatapu and Ha’apai to collect vegetation samples as environmental background for a stable isotope research project being planned. Fieldwork also included a survey for rock art sites in Ha’apai in
followup to our prior discovery of Hawaiian-type rock art imagery on Foa Island.

In February 2014, Dr. Robyn Woodward, PhD student Shea Henry and I initiated a survey and test excavation program at the Taino village of Maima on Jamaica’s north coast. In 1503/1504 Christopher Columbus was stranded here with Maima residents providing he and his crews with provisions. Our goal was to gain at least a preliminary understanding of the site’s extent and integrity, tasks we believe we succeeded in. A noteworthy discovery was a series of artificially constructed marl/clay platforms on which Taino houses were built into the hill slope. Future excavations, we hope, will be able to provide detailed information on Taino residential architecture and household layout.

Finally in summer semester 2014, I taught the SFU South Pacific field school with students involved in large-scale excavations at the early Lapita site of Nukuleka in Tonga. Also involved in this work were SFU students Kathleen LeBlanc (PhD), Travis Freeman (PhD), Kody Huard (MA) and ChiChi Lam (undergrad) as well as a local Tongan crew of ten. In previous fieldwork I had identified a site area with 2 m or more of cultural deposit from which very early Lapita style ceramics were eroding. Trench excavation through this deposit as well as adjacent test excavations was rewarding. The deep deposit was the result of Lapita-age excavations of an aroid planting pit that, in later prehistory, was in-filled with shell midden debris. Pit bottom sediments incorporate a very large volume of decorated Lapita ceramic wares and analysis of associated plant micro-fossils has isolated taro and other domesticates. These results provide new insight into subsistence economy and adaptation associated with first Polynesian settlement.

HUGO CARDOSO

I joined the Department as an Assistant Professor in 2013 and I have been recently appointed co-director of the Centre for Forensic Research at SFU. I am primarily a biological anthropologist and a human skeletal biologist interested in developing theory and methods in bioarchaeology and forensic anthropology. My research interests fall in the following three broad areas. The first one is experimentation in bone trauma and bone taphonomy. I was awarded a Discovery grant from the Natural Sciences and Engineering Research Council of Canada (NSERC) to develop the
first dedicated outdoors facility in Canada to study bone decomposition. My second area of interest refers to the validation of methods for the estimation of identity from the skeleton. I have been working on a number of different projects that I carried over to SFU from my previous appointment in Portugal. This includes the conclusion, in 2013, of the fully funded stage of BoneMedLeg research project by the Portuguese government. The purpose of the project is to critically test, validate and develop a series of new forensic methods for adult sex, age and stature estimation. I have also been developing new techniques for age estimation from juvenile skeletal material and living individuals in collaboration with researcher partners from Portugal, the UK and Spain. My last broad area of interest is in child growth and health in the past. Growth and health status of children can provide powerful insights in the effects of transition and change in the past. As such, I have started a new research project to study the impact of the Muslim occupation of Portugal during the Islamic Medieval Golden Age period on health and well-being of local populations. To carry out this project I am partnering with the heritage department of the Santarem municipality, in Portugal, where a field school in bioarchaeology is currently being planned and prepared. I have also done forensic anthropology consulting work for the Yukon Coroner’s Office and the RCMP.

ROY CARLSON

Projects: On-going research with Mike Richards on the marine reservoir correction for the southern Gulf Islands.

Thesis supervision: Supervised PhD thesis by Andrew Hickock on NWC treponemal disease that was successfully defended.

Honours: Attended the Canadian Archaeological Association in Whistler where a symposium in my honour had been organized in which there were 18 presentations by former students and colleagues.

MARK COLLARD

In 2013-2014 I worked in three main areas: 1) the evolution of human anatomy, 2) the patterns and processes of cultural evolution, and 3) human-environment interaction. In addition, I initiated some projects in what is a new research area for me, the evolution of religion. My work in the latter area was carried out under the aegis of the Cultural Evolution of Religion Consortium (CERC). CERC is funded by a Partnership Grant from the Social Sciences and Humanities Research Council, and involves professors and trainees from several universities, including

Other: Continued to manage Archaeology Press and arranged for publication of Toolstone Geography of the Pacific Northwest edited by Ron Hastings and Terry Ozmund to be published in 2015.
I am a co-PI on the grant and a member of CERC’s management team. In addition to my personal research, I continued to act as the Director of the SFU Human Evolutionary Studies Program (HESP). Funded by a grant from SFU’s Community Trust Endowment Fund, HESP is an interdisciplinary research group involving researchers from five faculties. As far as outputs are concerned, I managed to get 13 peer-reviewed journal articles into print, plus a chapter in an edited volume, two critiques, and a journal report. I was also involved in successful grant applications with a total value of more than a million dollars.

Catherine D'Andrea

The Eastern Tigrai Archaeological Project (ETAP) continued field-based investigations in northern Ethiopia in 2013-14. ETAP includes participants from Canada (SFU, UBC, U of T), Ethiopia (Addis Ababa University, Aksum University, Adigrat University), USA (University of Florida, Arizona State University, Washington University), and Italy (University of Naples). SFU team members include Shannon Wood, Habtamu Mekonnen, Barbara Winter, Elizabeth Peterson, Laurie Darcus and Sarah Oas. We are examining the dynamics of early state formation in northern Ethiopia, concentrating on the pre-Aksumite period (>800-400 BC). Our objectives are to examine the role of indigenous and exogenous cultural elements in the development of pre-Aksumite polity or polities of the early-mid first millennium BC; document pre-Aksumite internal political and economic organisation; and study ancient trade/exchange patterns through the analysis of ceramic and obsidian artefacts.

In order to accomplish this set of goals, we are focusing on regional survey and excavation of two sites: the rural village of Mezber which was completed in 2013; and Ona Adi, which is a large town site with the remains of large-scale architecture. We are now working on a monograph presenting our results of six seasons of survey and four years of excavations at Mezber. Excavations at Ona Adi began in 2013 and will continue until at least 2016.

Highlights of our 2013 and 2014 field seasons included the identification of domesticated chicken at Mezber dating to c. 800 BCE, representing the earliest directly dated chicken in Africa (identified by Helina Solomon Wolde-Kiros, Wash U). At Ona Adi, excavations through deeply stratified deposits have recovered undisturbed pre-Aksumite occupations overlain by later Aksumite structures. This is a unique feature of the site which will inform us on the poorly-understood pre-Aksumite to Aksumite transition in highland Ethiopia. In September 2014, ETAP was very pleased to welcome the Honourable Mr. Abay Woldu, President of Tigray Regional State.
on his visit to Ona Adi. On the same occasion, ETAP research was featured in a documentary produced by EBS (Ethiopian Broadcast System). ETAP excavation data were analyzed in two dissertations completed in 2013 by Michela Gaudiello (Ph.D. University of Naples) and Laurie Darcus (M.A. SFU).

Palaeoethnobotanical research continued in 2013-14 in with the completion of a study focusing on the Later Stone Age site of Bosumpra, Ghana, in collaboration with Dr. Derek Watson (Forest Occupations Project, Ghana). Bosumpra excavations resulted in an incredible 10,000 year record of plant use for tropical West Africa. This work formed the basis of an M.A. thesis completed by Sarah Oas, entitled, Revisiting Bosumpra: Examining 10,000 years of plant use at the Bosumpra rockshelter, Ghana, which was awarded the 2014 John Evans Masters Dissertation Prize by the Association for Environmental Archaeology. Archaeobotanical research in Turkey (in collaboration with Timothy Harrison, University of Toronto) continued in the fall semester of 2014 with a visit to SFU by Doga Karakaya (Ph.D. student, Tübingen University) who continued laboratory analysis of macrobotanical remains from Early Bronze to Iron Age contexts at Tel Tayinat, Turkey.

JONATHAN DRIVER

In 2013 and 2014 I continued to serve as SFU’s Vice-President Academic and Provost. I also took on the role of President of the Western Canadian Universities Marine Sciences Society that runs the Bamfield campus on the west coast of Vancouver Island.

Administrative work occupies most of my time, but I am staying in touch with archaeological research, thanks to collaborations with former graduate students. Dave Maxwell and I have been working on models to account for the population structure of bison death assemblages, and have published and presented our work at conferences. Together with Shaw Badenhorst (now back in South Africa) Dave and I put the finishing touches on our report on the animal bones from Pueblo Bonito, New Mexico. We anticipate that this will be published in an exciting new book on the material culture of this unique and important site.

Earlier work on Charlie Lake Cave in northeastern British Columbia has been revived, because a consortium of First Nations bands from the Treaty 8 Tribal Council has purchased the land on which the site is located. They have named the site Tse’K’wa (stone house), and Barbara Winter and I have started to work with them to prepare the archaeological materials for eventual repatriation, and to assist in the preparation of educational materials based on the site.

While on a trip to Australia I gave presentations on my research at Griffith University and Monash University, and was fortunate to visit Mark Collard who was working at Lake Mungo on a joint Griffith/SFU project. I also attended the ICAZ conference in Argentina and SAA meetings in Austin and Honolulu, and connected with many SFU alumni.

BIRUTÉ GALDIKAS

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 44 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.

ROSS JAMIESON

My work on the colonial period of Chimborazo Province in Ecuador continued throughout 2013/14. Rudy Reimer and I have completed pXRF analysis of ceramics from the region, allowing us to further understand ceramic trade in this important period of Ecuador’s history. I have also completed work on a process of further understanding the role of haciendas to the area’s agricultural history, and particularly the ongoing role of the ruins of these buildings to the painful memories that many have of the hacienda era.

In 2014 I became part of a team led by Peter Stahl at the University of Victoria, which was awarded a SSHRC Community Partnership Development Grant for a three-year study of the historical ecology of the Galapagos Islands. This partnership, between the University of Victoria, SFU, and the Universidad San Francisco in Quito, Ecuador, will allow us to study the history and ecological impact...
of a large 19th century plantation that covered a large portion of the Island of San Cristóbal in the Galapagos. The plantation was run partially with prison labourers brought over from the mainland, and was an integral part of Ecuador’s efforts to exert sovereignty over the islands in the 19th century. As a co-investigator on the project, I am providing expertise in historical archaeology, while Fernando Astudillo, my PhD student, is looking at macrobotanical and phytolith materials from the plantation. Initial fieldwork in summer 2014 set up community relations, and we have begun archival and background research on this operation. In summer 2015 I will join the team in the field to undertake further archaeological investigation of the plantation operations and layout.

As program chair for the Society for Historical Archaeology, I worked throughout 2014 (along with a dedicated conference committee, Shea Henry and Doug Ross) to bring together the program for the SHA Conference in Seattle, Washington in January 2015. The conference, with 800 presentations given, and a multitude of associated events, was a great success, and I am pleased that Shea, Doug, and I were able to represent SFU in creating this event, along with Robyn Woodward from SFU, who was one of the conference Co-Chairs. I now have a much greater understanding of the work that goes into the creation of such a major international conference.

On the teaching side, in January 2014 I was pleased to team-teach our first offering of ENV412: Technologies, Cultures, and a Sustainable World, with John Jones from the School of Engineering Science. The course is an opportunity for students from across SFU to come together to work as small interdisciplinary teams, looking at the crossover between technological and social factors in the implementation of sustainable solutions to global environmental problems. My interests in global colonialism have now been stretched to include greater understanding of issues as broad as sewerage technologies and carbon capture. I think both John and I, as well as the students in the course, have had a wonderful time getting out of our silos, and immersing ourselves in interdisciplinary learning.

Both Fernando Astudillo and Daniela Balanzategui are continuing their PhD studies with me at SFU, with ongoing support from the SENESYT program of the government of Ecuador. This program, and Daniela and Fernando themselves, give me great hope for a very bright future for the further professionalization of archaeology in Ecuador, and I am very proud to be part of that process.

DANA LEPOFSKY

During the 2013-2014 period, my graduate students and I have continued our cross-disciplinary and cross-community collaborations. I continue to be centrally involved in the Herring School, a coast-wide network of people interested in the cultural and ecological importance of herring. Our approach to combine archaeology and ecology resulted in one publication (McKechnie et al. 2014) with several others in the works. This publication, in PNAS, received considerable media coverage.

We are continuing our approach of combining
cutting edge western scientific methods with traditional ecological knowledge. With Lorenz Hauser, we were successful in receiving a large Washington Sea Grant to allow us to work up the genetics of archaeological and modern samples of herring and to expand our TEK interviews into Washington state. With SFU MA graduate, Andrea Weiser, we are conducting numerous interviews with Tribal knowledge holders in Washington and are bringing this knowledge together with the knowledge shared with us throughout the BC coast.

As before, the education component of the Herring School is central to our initiative. To this end, videographer Mark Wunsch and I produced a comprehensive web site on the ecology and cultural context of Pacific herring (www.PacificHerring.org). The many voices and knowledge represented in this web site reflects well my approach to science and to education. Mark and I are currently working on a follow-up documentary film on herring.

My interest in conducting research outside of traditional boundaries is also reflected in my involvement as one of the coordinators of the coast-wide Clam Garden Network. Again, this group represents people with diverse interests in clam gardens – ancient rock-walled features designed to improve clam productivity by improving clam habitat. Our interests include the importance of these features for policy, food security, cultural reconnection, and understanding culture history. Our joint efforts have resulted in one publication (Groesbeck et al. 2013), which received much media attention, another in press (Lepofsky et al. 2015), and a newly launched website (www.clamgarden.com). My specific fieldwork on clam gardens is focused on northern Quadra Island and areas near Bella Bella, both generously funded by the Tula Foundation.

I continue my work with Nancy Turner in other areas documenting ancient and traditional resource management and use. In particular, our Tula-funded work in the Hauyat watershed with Jennifer Carpenter and other Heiltsuk community members continues to grow. We have just received a generous grant from National Geographic to document both community knowledge and our scientific discoveries in an interactive web site and touch screen. The archaeological survey and excavation work of SFU doctoral student Julia Jackley will play a big role in this outreach endeavor.

Finally, Nancy Turner, Chris Picard, Jeremy Janz, and I are working with the Gitga’at community in Hartley Bay to document the history of management and use of “Old Town” – a culturally significant landscape to the Gitga’at. Similar to the Hauyat project, this initiative, we will bring together knowledge compiled from interviews and ethno-ecological and archaeological surveys in a web site and touch screen. This knowledge will be shared with the Gitga’at community and beyond.

ROBERT MUIR

Since 2012 I have been working with the Tsleil-Waututh Nation (North Vancouver), conducting archaeological site inventory of their traditional territory. This involves locating, mapping,
recording, and dating archaeological sites around Burrard Inlet, Indian Arm, and Port Moody. This inventory project will be the focus of our local archaeological field school program in summer 2015. In the summer of 2013 I co-directed the department’s local archaeological field school with Dr. Douglas Ross (PhD SFU 2009). The primary research component of this program focused on excavations of an historic salmon cannery complex at Lion Island, in Richmond, B.C. These investigations were an extension of Doug Ross’ PhD research. I also continue to act as an advisor to both BC Hydro and the consulting archaeology firms conducting archaeological inventory work on their behalf throughout the province. This included development an archaeological inventory sampling scheme for BC Hydro’s Kinbasket Lake Reservoir, East Kootenay Region, BC. in 2013. This project is related to an archaeological inventory strategy that I developed for BC Hydro’s reservoir areas in 2007.

GEORGE NICHOLAS

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

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 to study human responses to environmental change.

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, in addition to such related topics as degree of congruence between Traditional Knowledge and archaeology. At a more meta-analytical level, I analyze archaeological theory, both in the classroom and beyond, as a means to better understand what we do and why, and also to understand why heritage preservation doesn’t always work as expected. I am also involved with efforts to improve the policies of both universities and national funding agencies regarding research involving Indigenous peoples.

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 facilitate fair and equitable exchanges of knowledge relating to archaeology and heritage. This 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 involving more than 50 scholars, and 80 Associate members.

Through IPinCH I am currently working with community partners from around the world, including, in North America—the Sto:lo, Secwepemc, and Yukon First Nations, the Hopi, Saginaw-Chippewa, Penobscot, and Penobscot Tribes, and Inuvialuit; and elsewhere—Indigenous groups in Japan, Australia, New Zealand, southern Africa, and Kyrgyzstan.

In 2013 I was recipient of the inaugural Impact Award for Partnerships by the Social Sciences and Humanities Research Council. In 2014 I received an SFU Excellence in Teaching Award.

**RUDY REIMER**

My current research operates in different areas and techniques. Currently I am continuing to refine and add to the SFU Archaeology X-ray Fluorescence reference library through running multiple source samples from a variety of materials from across the Pacific Northwest of North America. Most of this material is obsidian, but I am also growing a reference library for basaltic rocks, slate and shale and ochre. Many of the obsidian sources in British Columbia are now well characterized and to the extent that the reference library is of similar level of detail to other XRF labs. Of note, recent research submitted for publication shows insight into the known use of distribution of Mount Edziza obsidian. New analysis indicates that flows previously interpreted as having no use to ancient populations actually show extensive use over the last 1000 years. These and other analysis in preparation for publication are of use in work and research done with First Nations communities and the Cultural Resource Management industry.

Elsewhere I am promoting Indigenous Archaeology through the filming of a television series titled *Wild Archaeology.* The first season of this series will have 13, half hour episodes to air on Aboriginal Peoples Television Network (APTN). For each episode, I as the main host of this series will send two First Nations co-hosts on investigative missions. We will move from Culture Area and environmental region across Canada, to highlight cutting edge, ongoing archaeological projects that illustrate meaningful and collaborative projects. This is a production by Palefox Pictures and a teaser/trailer of the series is at this web address [http://palefoxpictures.com/productions/wild-archaeology](http://palefoxpictures.com/productions/wild-archaeology).

In First Nations Studies, my current research is focusing on the use of interactive computer technology and developing computer/tablet/smart phone applications to offer an augmented reality experience to Squamish Nation place names and oral history. This application will geo-reference Squamish Nation cultural knowledge, and when a computer/tablet/smart phone scans the landscape through a webcam or GPS, place names will appear on the screen. When clicked, sound and video files will illustrate the Squamish Nation cultural landscape.

**JOHN WELCH**

Welch's long-term research and outreach partnerships with US tribes and BC First Nations continued to center on the investigation and advancement of indigenous stewardship.
and sovereignty. Two U.S. National Science Foundation (NSF) grants and participation as a member of the Steering Committee in the IPinCH SSHRC MCRJ (2008–15) directed by George Nicholas (SFU Archaeology) funded Welch’s research. He served as faculty (2010–13) for the Western Apache Ethno-Geography Field School (White Mountain Apache lands, Arizona), a NSF-funded research and outreach project that engaged undergraduate students (11 Apaches and 14 non-Apaches) in four six-week programs. Welch is also collaborating on the NSF-funded U Arizona-Southern Methodist U Fire and Humans in Resilient Ecosystems project, with responsibilities focused on the engagement of Jemez Pueblo and other Native communities in the assessment of ecological change and management responses on the Jemez Plateau northeast of Albuquerque.

Several recent publications strike a balance between higher impact journal articles and ethical and collaborative commitments to assure that contributions find publication outlets. Welch edited and contributed several chapters to two volumes. The first, Kinishba Lost and Found: MidCentury Excavations and Contemporary Perspectives (2013), presents the results of excavations conducted more than 60 years ago at Kinishba Ruins National Historic Landmark. The volume also includes six chapters that squeeze the early excavations and museum and archival collections to offer new data and opinions about Kinishba’s ancient significance and ongoing research potentials. The second volume, Transforming Archaeology: Activist Practices and Prospects (2014, edited by S. Atalay, L. R. Clauss, R. H. McGuire, and me) is the product of an invited Amerind Foundation 2013 seminar on activism in archaeology that I co-organized with the other editors. Our recent piece in the International Journal of Cultural Property (Welch and Lilley 2013) presents highlights from a forum I organized on institutional arrangements for international cultural resource management at the 2013 meeting of the Society for American Archaeology.

DONGYA YANG

In 2013 and 2014, working closely with many collaborators and my own graduate students, I have continued to focus my research on ancient DNA analysis to generate DNA-based data to address archaeological questions. DNA-based species identification has become a routine practice in my lab to provide accurate species ID for a wide range of faunal remains. New efforts have also been made to reconstruct the population fluctuations of faunal species over time to investigate dual interactions between humans and faunal species in the past.

While my lab group has been working on
faunal remains from all over the world, my own geographic research regions have gradually focused on the Northwest Coast of North America and China. I have made a few field trips to see archaeological sites and to visit the First Nations communities on the Coast to gain personal understanding of the region. My ancient DNA work in China is mainly done through collaborations with Dr. Xin Zhao in her ancient DNA laboratory in the Institute of Archaeology, CASS in Beijing.

My human osteological research in China has been significantly enhanced through the newly created SFU-JLU Joint Centre for Bioarchaeological Research (JCBR) with the support from a SSHRC Partnership Development Grant. I have been actively involved in several projects initiated by Dr. Deborah Merrett and Grace Zhang of the Centre. As the director of the Centre, I have helped create the Centre as a category of research institutes at SFU, helped plan research activities of visiting students at SFU and JLU respectively, actively facilitated on-going collaborations and made efforts to plan for new research initiatives.

With their strong motivation, dedication and determination, graduate students have continued to serve as the main working force in my lab. At one point in 2013-2014, there were eight Ph.D. and M.A. graduate students under my supervision.

ELDON YELLOWHORN

I began my career in archaeology in southern Alberta and I learned my skills at sites across the province. My emphasis on the northern plains is no accident since that is the homeland of my Piikani ancestors. Examining the ancient manifestations of human activity there brought me to sites where rock art, stone alignments and burial places marked their presence. Studying the antiquity and origins of Piikani traditions is what motivates my interest in using archaeological methods to conduct research of the past. Initially I concentrated on examining the physical remains of communal hunting on the northern plains and piecing together the data to better understand the lived experience of ancient people. Since then I have come to appreciate the nuances of antiquity on the northern plains by investigating the links between Piikani oral narratives and the archaeological record.

ELDON YELLOWHORN

While digging through bison bone discarded by ancient people took up many summers’ labour, situating the data in a larger context is a more complicated task and it has kept archaeologists busy. However, answering some basic questions about ancient times is also possible by listening to old Piikani stories about buffalo hunts or planting tobacco gardens. They help explain the data that archaeologists extract when they collect at sites. In turn the archaeological research has helped me organize Piikani mythology in calendar years so that for the first time in our history to speak of absolute chronology.

Historical archaeology of first nations is my current research focus so as to chronicle the experience of Aboriginal people who made the transition to reserve life. I have been working with the Piikani First Nation to conduct more research there, emphasizing the early reserve era.
MERRILL FARMER

Merrill Farmer joined the department in 2007 after graduating from Simon Fraser University with a Bachelors degree in Political Science. Merrill’s main roles as Graduate Program 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

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. Peter also organizes and leads Geoarchaeology fieldtrips including a two day fieldtrip for the 2014 Geological Society of America Conference.

LAURA WALKER

Laura graduated from Simon Fraser University in 2005 with a BA in Archaeology and joined the Department in 2008. Some of her duties as Undergraduate Program Assistant & Budget Clerk include: coordinating course materials such as textbook orders, course outlines, and exam duplicating; preparing and processing a variety of financial paperwork; and account reconciliation.

CHRIS PAPAIANNI

Chris joined the department in 2006 and holds a BA in Psychology from SFU. Chris manages the departmental operating accounts, developing and proposing the instructional teaching budget for the Chair’s approval, and provides administrative support for research and specific purpose budgets. Chris is also the academic advisor for undergraduates, is a member of the undergraduate curriculum committee, monitors course enrollments and develops and participates in long-range course planning.

BARBARA WINTER

I have been directing the Museum of Archaeology and Ethnology since 1990. During the report period I have managed the renovation and renewal of the museum exhibit galleries, upgrading the HVAC systems in the museum to provide stable temperature and humidity conditions. I teach courses in Ancient Visual Art, Archaeological Conservation, Archaeological Collections Management and group directed study courses in exhibit design on an ongoing basis. During the report period I served on graduate committees for Sarah Carr-Locke and Kelly Brown. I have consulted with community museums in Fort St John, Tumbler Ridge, Port Coquitlam, and Chase locally in British Columbia and provided advice on museum development in Adigrat Ethiopia and northern Israel.

SHANNON WOOD

Shannon earned a BA, High Honours, in Anthropology from the University of Saskatchewan and an MA in Archaeology at SFU. Her thesis was entitled: Tooth wear and the sexual division of labour in an Inuit population. Her areas of interest are bioanthropology and field methods. She currently participates in the Eastern Tigrai Archaeological Project in Ethiopia.
VANCE HUTCHINSON

I am a new postdoctoral research assistant working with Prof. Mark Collard and the Human Evolutionary Studies Program. I am an alumnus of the Department (I obtained a BA here, before pursuing graduate studies in the USA) and I am very glad to be back. My main research areas are fossil hominin morphology and phylogeny. Prof. Collard and I are using three-dimensional geometric morphometric techniques to understand the functional and systematic significance of morphological differences between various hominin species. Currently we are preparing a paper on the differences in shape between the femurs of Neanderthals and various modern human groups. In a related project, Prof. Collard and I are using geometric morphometrics to analyze early Pleistocene femurs from Koobi Fora, Kenya in order to better understand the number of, and differences between, the various species of early Homo.

In addition, I have submitted a grant application to SSHRC for a project to improve methods for documenting and interpreting musculoskeletal markers of activity in human skeletons. This research is expected to help us more reliably answer questions about the behavior of people in the past.

DAVID MAXWELL

During the period of 2013-2014, much of my time has been devoted to teaching as a Limited-Term Lecturer for the Department of Archaeology at SFU. During this period, I have taught ARCH 100-3 (Ancient Peoples and Places) twice, ARCH 131-3 (Human Origins) twice, ARCH 201-3 (Introduction to Archaeology) twice, along with ARCH 340-5 (Zooarchaeology), ARCH 372-5 (Material Culture Analysis), and ARCH 376-5 (Quantitative Methods in Archaeology) once each. The introductory courses ranged in size from 40 - 250 students, while the upper division lab courses ranged from 17 - 37 students each.

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 five courses, including two-part course based on ARCH-131, entitled Human Origins: Where Did We Come From and How Did We Get Here? (Parts I and II), a course entitled Rubbing Shoulders: Prehistoric Cultural Interaction in the Americas, and a course entitled Six Topics in Maya Archaeology, and a course based on ARCH 100 entitled Before Time: Six Milestones in World Prehistory. Each class was filled to capacity and all were extremely satisfying to me as an instructor.

I also was an instructor in two multi-instructor courses, including What Researchers Really Do (my lecture was entitled Digging Without Digging: Archaeology in the Laboratory and focused on my
zooarchaeological research), and another course called *Quantum Leaps* (my lecture was entitled *The Origin of Cities*).

Dr. Jonathan C. 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. The first of these was published in *Quaternary International* in 2013, and the second is under review for publication in an edited volume from the University of Colorado Press. Anticipated publication date is 2016.

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, some time ago; this has now been reviewed and accepted for publication through the University of New Mexico Press, and is undergoing final revisions. Anticipated publication date is late spring 2016.

I continue in my role as senior faunal analyst on a long-term project in Kamloops, under Dr. George Nicholas, which is ongoing. I have also been involved in several small consulting faunal analyses for Antiquus Consulting in Maple Ridge, both of which resulted in technical reports. I have also begun working with Dr. Farid Rahemtulla (UNBC) on analysis of fauna from site EjTa-4 on Calvert Island on the BC Central Coast; this project is ongoing.

Finally, over the same span, I presented research papers in invited symposia at the Society for American Archaeology meetings in Honolulu, Hawaii (2013, on Bison Kill Sites) and Austin, Texas (2014, on Fish Remains in Maya Ritual Contexts). The Bison Kill symposium has been accepted for publication by the University of Colorado Press, and the Fishing symposium is under consideration by the same publisher.

**IAIN MCKECHNIE**

I am an environmental archaeologist with a specialty in zooarchaeology and historical ecology along the Northwest Coast of North America. In 2014, I began a 2-year SSHRC postdoctoral fellowship in the Department of Anthropology at the University of Oregon and am grateful to have an additional post-doctoral affiliation with the SFU Department of Archaeology as a scholar with the Hakai Institute. In Oregon, I am collaborating with Dr. Madonna Moss on the zooarchaeology of Northwest Coast fisheries and domestic dogs. At SFU, I am collaborating with Dr. Dana Lepofsky and other Hakai Institute researchers in investigating the historical ecology of sea otters, rockfish, and Pacific herring.

In 2014, I published an article in the *Proceedings of the National Academy of Sciences* ‘Archaeological
data provide alternative hypotheses on Pacific herring distribution, abundance, and variability’ co-authored by archaeology faculty member Dana Lepofsky and seven others. I also presented on my post-doctoral programme of research at the Society for American Archaeology meetings in Austin; the Salish Sea Ecosystem Conference in Seattle, and the International Congress of Archaeozoology in San Rafael, Argentina. While in Argentina, I organized a symposium on digital archaeozoological methods and secured an open-access venue for its publication in Ethnobiology Letters which I am guest editing with Sarah Kansa (OpenContext.org). I am concurrently guest editing a special issue of BC Studies with Alan McMillan (SFU) on the archaeology of BC’s outer coast and contributing my own papers to these special issues which are scheduled for publication in Fall 2015.

I also participated in community outreach events with the Tseshaht, Huu-ay-aht, and Heiltsuk First Nations, gave three departmental seminars, five guest lectures, and attended a workshop on ‘Visioning the Future of Kelp Forest, Sea Otter and Human Interactions’ on the central BC Coast. I also undertook field work on Quadra and Calvert Islands and co-instructed a 2-week Hakai Institute sponsored graduate field course on the ‘Intersections of Ecology and Archaeology.’

In 2013, I co-instructed a 6-week field course, ‘Coastal Field Archaeology,’ on the west Coast of Vancouver Island for the Bamfield Marine Sciences Centre and the Huu-ay-aht First Nations which involved several SFU archaeology undergraduate students. This course will run again in summer 2015.

KIMBERLY PLOMP

From July 2013 to April 2014 I worked as a part-time Research Assistant for Professor Mark Collard with the Human Evolutionary Studies Program. I also held two sessional teaching positions, one in the Department of Archaeology at Simon Fraser University and one in the Department of Anthropology at the University of British Columbia. In April 2014, I was awarded the Mitacs Elevate Postdoctoral Fellowship and have since been working full-time with Prof. Collard as a Postdoctoral Researcher.

I investigate how evolutionary adaptations related to bipedalism have influenced human spinal health. This has included a comparative skeletal analysis of the two-dimensional morphological variation of human and non-human ape vertebrae to identify a relationship between vertebral morphology, locomotion and the presence of a common spinal pathology, Schmorl’s nodes. A paper from my PhD research identifying a relationship between vertebral shape and Schmorl’s nodes in archaeological humans is currently in press at the American Journal of Physical Anthropology. Also, a manuscript for a comparative study of humans, chimpanzees, and orangutans investigating the relationship between locomotion, vertebral shape, and the presence of...
Schmorl’s nodes is currently under revision for publication.

Since April 2014, I have undertaken an investigation of the three-dimensional shape of human and non-human ape vertebrae. I spent the summer and fall collecting this new data and have since been preparing a manuscript on the functional anatomy of human vertebrae. I also have developed a professional relationship with Canada Diagnostics Centre in Vancouver, where I am currently collecting CT images of voluntary patients in order to investigate the relationship between vertebral morphology and spinal health in living people.

I have presented my postdoctoral research at the 2014 American Association of Physical Anthropologists and European Society of the study of Human Evolution annual meetings. I also chaired a session on human evolution and presented my research at the 2014 and Canadian Association of Physical Anthropology annual meeting.

BEN RAFFIELD

I am a postdoctoral research fellow working with Professors Mark Collard and Neil Price (University of Uppsala, Sweden). Having worked for SFU as an independent research assistant in the UK throughout 2014, I have recently moved to Vancouver to continue my work in the Human Evolutionary Studies Program and Department of Archaeology. Professors Collard, Price and I are currently researching the biocultural effects of religious change in Viking Age Scandinavia as part of the Cultural Evolution of Religion Consortium, based at the University of British Columbia. At present, we are preparing three papers for publication that focus on how polygynous and monogamous marriage systems influence competitive behaviour amongst males. Through the use of comparative anthropological data, we are contributing to current debates surrounding the origins of Viking raiding at the end of the 8th century AD, social interaction and gender roles amongst Viking Age societies, and the role of the Church in enforcing socio-political change in Scandinavia. We are presenting aspects of this research at the Society for American Archaeology conference in April 2015.

DENNIS SANDGATHE

In 2013 and 2014 I continued my ongoing research on Neanderthal adaptation in SW France. In 2014 my colleagues and I wrapped up excavations at the site of La Ferrassie, completing 6 years of work there supported in large part by a 2012, $175,000 grant from the National Science Foundation. Some of our undergraduate and graduate students were important members of our project crews during the 2012 and 2013 seasons. One of my main interests in working at sites like La Ferrassie is addressing the validity of claims that Neandertal skeletons discovered there a century ago had been intentionally buried. Since 2011 I have published a number of papers on this topic. In 2013/14 I also published a graphic book on
this topic designed to introduce to students some of the issues in interpreting Palaeolithic behaviour.

Another major research interest of mine is use of fire in the Palaeolithic. In 2014, Francesco Berna and I were successful in getting Wenner-Gren support for a symposium called Fire and the Genus Homo which will be held in Portugal in the fall of 2015.

In 2013-14 my research was presented at several conferences: the 2014 European Society for Human Evolution; the 2014 Union Internationale des Sciences Préhistoriques et Protohistoriques meetings; the 2014 Simon Fraser University Human Evolutionary Studies Program 3rd Annual Symposium (I was a co-organizer with Mark Collard and Francesco Berna); and the 2013 Canadian Archaeological Association annual meeting (at which I co-organized a session).

I have continued to regularly teach Human Origins; Ancient Peoples and Places; Lithic Technology; and in Spring of 2014 I developed a new course called Neanderthals. I have also been serving on the supervisory committees of several graduate and undergraduate students.

In 2012 I have been working on a project aimed at exploring First Nations Observations of and Adaptations to Climate Change in Central British Columbia, under the direction of Dana Lepofsky. This research, initially funded by DFAIT (Government of Canada), is still ongoing thanks to funding provided by the Hakai Institute. My study provides data on Coastal First Nations observations of natural resources (e.g., changes in food availability, shifts in seasonality, phenology, fish spawn, etc.) in relation to climate change, but also information on strategies to cope with these changes. While working at the local level with First Nation communities, I am also exploring ways in which Traditional Ecological Knowledge can add new perspectives into climate change research. Many interrelated changes in weather and the environment are already affecting subsistence oriented communities globally as I documented in an extensive review (~1000 sources) currently under review in Nature [1]. The observations collated in this paper show that climate change is having more disruptive effects at a local level than is highlighted by global models. Moreover, these observations can increase our understanding of the pervasiveness of these effects on humans and ecosystems [2,3,4]. Currently, I am collaborating with several scholars at Simon Fraser University to combine qualitative with
 quantitative research. This is driven mostly by the fact that formal research is often disconnected from real problems at a local level; the variables used for studying climate and climate variations do not always bring out trends that are of greatest concern for people. For instance, we are currently spatially analyzing global rainfall data [5] to highlight which instrumental data are the most meaningful for local people needs. In addition, Drs Dana Lepofsky and Nick Hedley, and I are partnering with Heiltsuk Nation on a project [6] aimed at assessing the vulnerability of this coastal community to climate change impacts, combing ethnographic data and 3D visualizations of sea level rise (currently under review).


**SUZANNE VON DER PORTEN**

My postdoctoral research with my supervisor Dana Lepofsky is with the Herring School and Hakai Institute and is funded by a SSHRC Post-Doctoral Fellowship. The research examines the role of Indigenous governance in marine decision-making. The resurgence of Indigenous self-determination and nationhood are playing an increasingly important role in marine governance impasses between Indigenous governments and the state. In marine governance contexts, the importance of Indigenous governance is related to both (1) the assertion of Indigenous decision-making over lands and waters in their traditional territories, and (2) the protection of marine resources such as fish. This research uses a multi-case study in Western North America to explore the role of Indigenous governance in the management of herring fisheries.
RON ADAMS

I am an adjunct professor in the Department of Archaeology at Simon Fraser University and a Supervising Archaeologist/Ethnologist at AINW, Inc., in Portland, Oregon. My primary research interests are concerned with the social practices of complex early agricultural societies and complex hunter-gatherers. Within this broad framework, I am interested in the ways in which settlement patterns, the built environment, and material culture distribution can inform archaeologists of not only forms of socio-political organization but also the lived experiences associated with interpersonal relations, power negotiation, and social memory. I have explored these issues through the ethnoarchaeological examination of traditional feasting and megalith building in eastern Indonesia (Tana Toraja and West Sumba), the ethnographic data from which I am continuing to analyze to address issues pertaining to the social dynamics of early agricultural societies, particularly megalithic societies, in the Old World. Most recently, I have begun coordination with European archaeologists on potential future collaborative ethnoarchaeological research in West Sumba.

In terms of North American field endeavors, I have been directing cultural resource management fieldwork throughout the Pacific Northwest of the U.S. for several years, dealing in large part with the archaeology of pre-contact complex hunter-gatherers. Much of this work has led me (and colleagues at AINW, Inc.) to examine toolstone geographies and pre-contact quarrying behavior of the region, particularly in the Columbia Plateau region of Washington and Oregon. This interest in regional lithic resources, led my AINW colleague Terry Ozbun and I to collaborate on a written synthesis of toolstone geographies in the wider Pacific Northwest region of North America with contributions from archaeologists from both sides of the Canada-U.S. border.

JOHN CLAGUE

My primary research interests are environmental earth science and natural hazards. In recent years, I have expanded my research activities from northwest North America into Argentina, Bolivia, Italy, and Switzerland. I have two PhD students working in South America, one studying landslide hazard and risk in La Paz, Bolivia, and another studying Pleistocene glaciation in Argentine Patagonia. As part of the latter study, my Argentine colleagues and I have jointly studied late Pliocene and earliest Pleistocene glaciation on the east flank of the southern Andes. We have found evidence for an extensive glaciation that is more than 3 million years old, prior to the first period of ice-sheet glaciation in North America. An MSc student has studied large-scale liquefaction of sediments on the floor of the Rhine Valley by the Flims rockslide, the largest Holocene landslide in Europe. The impact of the Flims rockslide on the valley floor liquefied more than 1 km3 of valley-fill sediments, generating mass flow that traveled more than 20 km downvalley. Bodies of rockslide material up
to several hundreds of metres across and scores of metres high were rafted distances of kilometres by the mass flow.

I also coordinated a student exchange program on natural hazards (‘geoNatHaz’) involving faculty and students from the University of Torino (Italy), four other European universities, and three Canadian universities.

I continue to be employed as a special forensic crime scene investigator with the Royal Canadian Mounted Police, posted at the new ‘E’ Division Headquarters in Surrey BC. My research in relation to forensic taphonomy continues with my examination of decomposition and scavenging of human remains at crime scenes in Canada. I am currently working in cooperation with the Yukon College in Whitehorse and researchers at Simon Fraser University to examine the progression of decomposition in northern environments. Multiple pig and bear carcasses have been buried at the research facility and we are examining the long term morphological changes of the buried subjects and the grave itself to determine the impact of extreme temperatures and humidity ranges.

Two of my projects in bioarchaeology involve the indigenous history of the North American Northwest Coast and a third concerns ancient Egypt. For the Northwest Coast, I have been studying the human skeletal evidence for warfare and its time depth in the Tsimshian region. The evidence includes patterns in specific forms of trauma, gender differences, and sample vital statistics. These data have recently been published in *The Routledge Handbook of the Bioarchaeology of Human Conflict* (C. Knüsel and M.J. Smith eds., Taylor & Francis, 2014). Chronologies were concurrently developed for six archaeological sites spanning a regional history of 3,000 years based on accumulated AMS collagen dates. Those data have been presented in *Violence and Warfare Among Hunter-Gatherers* (M.W. Allen and T.L. Jones eds., Left Coast Press, 2014). I am also studying ancient and modern genomic variation in collaboration with other researchers and the communities of Lax Kw’alaams, Metlakatla and Laxgalts’ap.
Results have been published in *PLoS ONE* (Cui et al. 2013), *PNAS* (Achilli et al. 2013), and *PLoS Genetics* (Verdu et al. 2014); a fourth article is in preparation. My Egyptian research is at the Tombs of the Nobles in collaboration with the Hungarian Mission in Thebes; two papers have been produced on the human remains in and about Theban Tomb TT65 and are scheduled for publication in 2015.

**JAMES DELGADO**

James Delgado has worked on a variety of archaeological survey projects in the United States, emphasizing surveys, discovery and documentation of historic shipwrecks in the Gulf of Mexico, California and Hawaii, as well as New Jersey. Notable projects have included the discovery of the WWII Japanese aircraft carrier submarine I-400, an ongoing survey of historic shipwrecks off San Francisco which resulted in a series of discoveries including the worst disaster off the Golden Gate, the immigrant steamer SS City of Rio de Janeiro, lost in 1901, and the U.S. Coast Survey steamer Robert J. Walker, lost off New Jersey in 1860.

**PAUL GOLDBERG**

During the past two years I have been carrying out geoarchaeological research, primarily at Palaeolithic sites. Dr. Francesco Berna, Michael Chazan and I just had a paper accepted to African Archaeological Review, in which we summarized some of our preliminary research on the site formation processes at Wonderwerk Cave, South Africa. My main area of field research involves the geoarchaeological aspects of the Mousterian site of La Ferrassie, France, along with Dr. Vera Aldeias (Max Planck Institute, Leipzig), and Dr. Dennis Sandgathe at SFU. The specific (geo)archaeological goals are aimed to establish the stratigraphic framework of the site and
reconstruct its sedimentary history (origin of the deposits, agents of accumulations, syn- and post-depositional modifications). In addition, we have been investigating the stratigraphic context of the human occupations, and particularly, the stratigraphic association of the Neandertal remains there. Lastly, I have just begun to collaborate with Drs. Michael Morley and Dr. Richard G. Roberts (University of Wollongong, Australia) on a long-term project involving the microstratigraphy and micromorphology of the Liang Bua site on Flores. This research is in its very early stages, but the thin sections show great promise in deconstructing the complex processes operating there.

**GEORGE MACDONALD**

As Director of the Bill Reid Centre for Northwest Coast Studies at S.F.U., a major activity was moving the centre from the Bill Reid Gallery, adjacent to the downtown campus of S.F.U. in June 2014 to its new location in the Saywell Building on the Burnaby campus. This move addressed the difficulty students had accessing the Centre at its previous location on Hornby St. that was only open at limited gallery hours.

As part of the move to the Burnaby campus, I proposed a concept for a Totem Trail to focus attention of First Nations art and culture along corridors from the bus arrival area through the Academic Quad. A major new feature of the trail is the fifty foot painted canoe and paddles by the Haida artist Bill Reid. The plan was endorsed by the administration and is being implemented. A concept was initially requested from me by former President Stevenson. It resulted in the monumental sculpture “Constellation of Frogs” by Jim Hart being acquired and installed in the atrium next to the Museum of Archaeology and Ethnology in 2012. The Bill Reid Centre is now producing a multimedia app for cell phones to introduce the artists and concept for each piece along the totem path.

My own research continued in 2013-14 on reconstructing the settlement pattern shifts in First Nation villages throughout the coast from late pre-contact times, through the period of drastic depopulation and consolidation of survivors, and the missionary period when traditional communal houses were replaced on reserves by single family European style residences. Monumental art such as totem poles were either cut down or moved from the houses in the village to the adjacent cemeteries where the missionaries tolerated them.

Work progressed in compiling visual history files on over 100 indigenous communities on the coast using over one hundred thousand historic photographs, drawings and maps along with oral
The response to these visual village histories by community members has been very positive, particularly by the youth.

Multimedia productions were produced in the review period on the following communities – Lax Kwa’alaams (Fort Simpson) Nine Coast Tsimshian communities: seven Haida villages (Kiusta, Yan, Masset, Skidegate, Skedans, Tanu, Skungwaii), Kitselas and Kitkatla (Coast Tsimshian); Komkotes (Nuxhalk); Yalis (Alert Bay) and Tsaxis (Fort Rupert) (Kwakwakawakw); Yuquot (Nuu Chath Nulth), and Songhees (Coast Salish). They can be viewed at www.sfu.ca/brc

To make my previous research more accessible, I posted 69 of my academic papers and books and my complete CV on a new web site I created on Academia.edu.

Research continued through the review period on differentiating the regional art styles throughout the coast down to the village level where sufficient samples of artworks are available. The Bill Reid Centre has joined forces with the Reciprocal Research Network at the Museum of Anthropology, UBC. To date, some 5,000 images from my teaching collection have been added to the RRN database and are being used by researchers throughout the world.

**ROLF MATHEWES**

During the review period, I published 8 papers in refereed journals, dealing with aspects of palynology, paleobotany, and paleoclimatology. Of special archaeological interest is the publication with Shannon Croft (2013/14) titled Barking up the right tree: understanding birch bark artifacts from the Canadian Plateau, British Columbia in *BC Studies* 180: 83-124. This paper is also currently used in a display at the SFU Museum of Archaeology. My MSc student Emily Helmer defended her thesis last fall titled “Palynology and paleoecology at Kilgii Gwaay archaeological site, southern Haida Gwaii” with interesting results on early coastal occupation (paper in progress).

In May 2014 I was also invited to lecture on paleoecology of coastal forests and run a field trip at the Hakai Beach Institute, Calvert Island, which included many First Nations students. In October and November 2014 I worked on a paleoecology project in the Black Forest of Germany, using plant macrofossils to track past forest disturbances. In this joint project with the University of Bonn and funded by the Alexander von Humboldt Foundation, we hope to find ways to separate environmental disturbances caused by past medieval human activities to those of climatic origin.

**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 of the world: Near East and northeastern China. For the Near East: tooth crowns of infants from one Neolithic and one Chalcolithic site in Iran have been embedded for analysis of the enamel microstructure and estimation of chronological age-at-death. 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. Bone and tooth samples from both of the above sites have
been taken to University College Dublin for aDNA and stable isotope analysis in the lab of Dr. Ron Pinhasi. The aDNA analysis using Next Generation Sequencing is part of an ongoing study of genomes of Neolithic peoples across the Near East and Europe. The stable isotope analyses will give detailed data of diet through childhood – ages birth to 8 years and provide insight into the lifeways of Neolithic and Chalcolithic people in the high Zagros Mountains of Iran.

My research in China is as a collaborator in a multidisciplinary SSHRCC-funded project with principal investigator Dr. Dongya Yang of 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 linear enamel hypoplasia (LEH) analysis in the people of the Houtaumuga site has been submitted to the journal Quaternary International and is in revisions (Merrett et al.) (Fig 1). The companion paper of the oral health of people from the same site has also been submitted and is in revisions (Zhang et al.). Additional health-related research will be continuing in the field season of 2015 with the aim of establishing population parameters for health from tooth microstructure.

NEIL PRICE

The past two years have seen work on three major research streams. The primary focus of my work, funded by the Leverhulme Trust in the UK, has been a study of Viking Age burial customs across the northern world. This has resulted in numerous publications, and also considerable work for the British Museum's touring Viking exhibition and accompanying catalogue. My Viking research has also developed in collaboration with Mark Collard and his team within the CERC consortium at SFU, studying Viking demographics, including shared postdoc supervision.

Over the same period I have travelled throughout the Indian Ocean region in connection with my project on the early modern opium trade, with periods of research spent especially in Guangzhou (Canton) and Mauritius. This has resulted in two edited volumes to appear in 201g-17, covering the Indian Ocean and the Chinese diaspora respectively. The final branch of my research concerns the archaeology of the Pacific theatre in World War II, pursuing themes of memory and reconciliation, with fieldwork in the Palau islands and, again, associated publications. There has also been a recent shift in my employment circumstances, leaving the University of Aberdeen in October 2014 to take up the Established Chair of Archaeology at Uppsala, Sweden.
DARLENE WESTON

Darlene Weston is a bioarchaeologist whose research is focused on paleodemography, health, and disease in archaeological populations from the Pre-Columbian Caribbean, Medieval Western Europe, and the Northwest Coast. In 2013 she was part of a consortium awarded a 5 year, 15 million Euro European Research Council Synergy grant, one of the largest social sciences/humanities grant ever awarded in Europe. The research project, entitled Nexus 1492: New World Encounters in a Globalizing World, is investigating the impact of colonial contact on indigenous communities in the Caribbean, as well as investigating indigenous/African/European interaction during the early part of the transatlantic slave trade.

In 2014, together with colleagues from Cuba, The Netherlands, the US, and the UK, her work on the Cuban cemetery site of El Chorro de Maita was awarded a National Award for Scientific Investigation from the Cuban Academy of Sciences. Recently her research has been presented at the Society for American Archaeology conference, the American Association of Physical Anthropologists conference, and the British Association for Biological Anthropology and Osteoarchaeology Conference, as well as being published in the American Journal of Physical Anthropology, Homo: the Journal of Comparative Human Biology, and by the University Press of Florida.

MICHAEL WILSON

Michael C. Wilson continued as Adjunct Professor of Archaeology, and in 2014 he retired from Douglas College after several years as Chair of the Department of Earth & Environmental Sciences. In 2013-2014 he conducted research and consulting projects in geoarchaeology, zooarchaeology, vertebrate paleontology, and heritage resources assessment. His work in the Pacific Northwest on the Late Pleistocene vertebrates of the San Juan Islands, Vancouver Island, Olympic Peninsula, and Kitsap Peninsula (with Steve Kenady, Bob Mierendorf, Randall Schalk, Carl Gustafson, Bax Barton, Richard Hebda, and Grant Keddie) continued with radiocarbon dating of early postglacial Bison antiquus and giant ground sloth (Megalonyx) specimens as well as a pre-Last Glacial mammoth tooth. Michael described in detail the bison and bear remains from the Manis Mastodon Site and (with Mierendorf, Kenady and Gustafson) revisited the site to make new geoarchaeological observations.

In Metro Vancouver he supervised an undergraduate student project relating to the sedimentology and paleontology of Late Pleistocene glaciomarine sediments in South Surrey, and advised on another relating to the stratigraphy and paleontology of interstadial deposits in Port Moody.

As for Great Plains research, he analyzed faunal remains from new excavations at the U.P. Mammoth Site (Wyoming) and Horse Thief Cave (Montana); and (with Chris Hill, Patrick Rennie, and David Batten) restudied the geoarchaeology of the Sheep Rock Spring Site (Montana). His advocacy for Urban Geology was expressed through his co-chairing (with Lionel E. Jackson, Jr.) of a thematic session and a field trip for the annual meeting of the Geological Society of Canada.
America, in Vancouver, and a public talk for APEGBC (North Vancouver chapter).

As a consultant to several heritage assessment companies, Michael studied and wrote up the geoarchaeology of early to mid-Holocene occupation sites east of Kamloops and south of Clinton, B.C.; wrote paleontological overviews for pipeline, power line, and wellsite projects in Alberta and B.C.; and documented the impact of the devastating 2013 Bow River (Alberta) floods on Quaternary palaeontological resources within, as well as upstream and downstream of, the city of Calgary. He presented papers on his research at national or regional meetings of the Geological Society of America, Northwest Scientific Society, Western Division of the Canadian Association of Geographers, B.C. Studies Conference, Canadian Quaternary Association, B.C. Paleontological Conference, American Quaternary Association, and Plains Anthropological Society.

In addition to several consulting reports, Michael co-authored (with Lionel E. Jackson, Jr.) the paper “Urban geology and geoheritage of Metro Vancouver, British Columbia” for the volume Trials and Tribulations of Life on an Active Subduction Zone: Field Trips in and around Vancouver, Canada, pp. 1-17 (Geological Society of America, Field Guide 38, 2014, ed. by S. Dashtgard and B.C. Ward). A milestone was reached with the 2013 publication of a new edition of the 1974 George Frison volume, The Casper Site (Percheron Press: Foundations of Archaeology Series), with Michael’s chapter on the Casper Local Fauna and its fossil bison. Michael’s 1995 book Beyond Subsistence (co-edited with Philip Duke) was also reissued to a new generation as an e-book (University of Alabama Press). For SFU Archaeology Michael served as an M.A. thesis external examiner. He attended a training workshop in Colorado (by Bruce Kaiser, for Bruker AXS) for handheld pXRF devices. He reviewed submitted articles for five journals, an environmental science textbook, and also proposals for NSF. His community service also included continuing membership (reappointed annually) on the Sustainability and Environmental Advisory Committee for the City of Coquitlam, and his role as an adjudicator for the City of Coquitlam’s Environmental Awards.
FACULTY GRANTS

Francesco Berna

2014 - 2016 SSHRC-SFU Institutional Grant - Small. “Archaeology of fire: exploring ultrahigh resolution protocols for the identification of wood ash in early human sites” F. Berna (PI) $5,698 CAD


David Burley

2014 Faculty of Environment, Chairs Research Support Grant $8,000.


2013 Faculty of Environment, Chairs Research Support Grant $8,000.

2012 - 2013 SFU VPR Support Grant. “Data Mining in the South Pacific Archaeology Lab”. $10,000.

2012 - 2013 SFU/SSHRC Small Project Grant. “Conflict and Warfare in the Archaeology of Northern Fiji”. $6,000.

Hugo Cardoso

2014 SFU Vice President Academic Conference Fund. “Heat and Human Evolution - 3rd Annual Symposium of the Human Evolutionary Study Program” F. Berna (PI). $4,000 CAD

2014 The Bertha and Louis Weinstein Research Fund. F. Berna (PI). $27,000 CAD

2013 - 2015 SSHRC Insight Development. “Evaluating the nature of fire associated with Homo erectus in Africa and Eurasia” F. Berna (PI), $71,400 CAD

2013 - 2016 SSHRC Insight Grant. “Polynesian Origins” $210,000.

2013 Faculty of Environment, Chairs Research Support Grant $8,000.

2012 - 2013 SFU VPR Support Grant. “Data Mining in the South Pacific Archaeology Lab”. $10,000.

2012 - 2013 SFU/SSHRC Small Project Grant. “Conflict and Warfare in the Archaeology of Northern Fiji”. $6,000.


2013 SFU Start-up Grant. $50,000.

Mark Collard


2013  VPR/Griffith/SFU Collaborative Travel Grant. $9,812.


2012 - 2014  SSHRC/University of British Columbia $50,000.

Catherine D’Andrea


2011 - 2016  SSHRC Partnership Grant ($60,000). “Computational Research on the Ancient Near East (CRANE)”. Timothy Harrison, University of Toronto (PI), A.C. D’Andrea (Co-Investigator) ($1.9 million), Years 3-4.

Ross Jamieson

2013-2016  Co-investigator, SSHRC Partnership Development Grant (SFU/UVIC/USFQ) -“Historical Ecology and Archaeology of the Galapagos Islands” ($197,000).


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)

Dana Lepofsky


2014 - 2016  Washington Sea Grant. “Shifting baselines in Puget Sound: population diversity of Pacific herring and its use by Native

EXCAVATION OF AN AROID PLANTING PIT. GLEYED BOTTOM SEDIMENTS BEING POINTED TO INCORPORATE A RICH ASSEMBLAGE OF DECORATED LAPITA CERAMICS (WITH DAVID BURLEY).
Americans over the millennia”. (co-PI with Lorenz Hauser). $219,098.


George Nicholas


2013 Impact Partnership Award, SSRHC, $50,000.


Rudy Reimer

2013 – 2015 SFU VP Research Grant. $10,000.

2013 Squamish Nation Trust. $15,000.

John Welch


Dongya Yang


FIELD TRIP TO AN ARCHAEOLOGY SITE IN HARBIN IN AUG., 2014 BY ALL THE PARTICIPANTS OF THE SECOND JLU-SFU WORKSHOP ON HUMAN OSTEOARCHAEOLOGY.
FACULTY PUBLICATIONS


Carleton, W.C., Conolly, J. and Collard, M. 2013 Was the corporate kin-group the main
form of social organization at Çatalhöyük during the Pre-Pottery Neolithic B? *Journal of Archaeological Science* 40, 1816-1822.

**Carlson, R.**

Coelho L, Cardoso HFV

Collard, M., Buchanan, B., and O’Brien, M.J.
2013 Demography as an explanation for culture change during the Paleolithic: More caution is needed. *Current Anthropology* 54 S8, S388-S396.

Collard, M., Buchanan, B., O’Brien, M.J. and Scholnick, J.

Collard, M. and Dembo, M.

Collard, M., Ruttle, A., Buchanan, B., and O’Brien, M.J.

Coombe, R., K. Bannister, D. Schaepe, and G. Nicholas


Dibble, H. L., V. Aldeias, P. Goldberg, S. P. McPherron, D. Sandgathe, and T. E. Steele

Driver, J.C. and D. Maxwell


Ferris, N. and J.R. Welch

Ferris, N., J.R. Welch, and A. Cannon

Goldberg P., Berna F., Chazan M.


Guérin et al (19 others, incl. D. Sandgathe) accepted A Multi-method Luminescence Dating of the Palaeolithic Sequence of La Ferrassie Based on New Excavations Adjacent to the La Ferrassie 1 and 2 Skeletons. Journal of Human Evolution.

Harrower, M.J. & A.C. D’Andrea

Hayden, B. and R.L. Adams

2015 “Levantine cranium from Manot Cave (Israel) foreshadows the first European modern humans” Nature 520, 216-219

Jackson, G., Dubman, E., Mooers, A.O. and Collard, M.
2014 Basal metabolic rate and maternal energetic investment durations in mammals. BMC Evolutionary Biology 14, 194.

Jamieson, R. W.

Jamieson, R.W., RGV Hancock, LA Beckwith and AE Podruszyn.

Lepofsky, D. and M. Caldwell

Lepofsky, D. and N. Lyons

Lepofsky, Dana and Kevin Feeney


Lepofsky, Dana and Marsha Quinlan.

Locher P. and F. Berna
2014 “Holocene human interaction and
adaptation to geological and climatic changes in the Lower Mainland, Fraser Canyon, and Coast Mountain area of British Columbia: A geoarchaeological view”. In Dashtgard, S., and Ward, B., eds., Trials and Tribulations of Life on an Active Subduction Zone: Field Trips in and around Vancouver, Canada: Geological Society of America Field Guide 38, 53-77.


Miller C., Goldberg P., Berna F. 2013 “Geoarchaeological investigations at Diepkloof Rock Shelter, Western Cape, South Africa” Journal of Archaeological Science 40(9) : 3432-3452


Ozbun, Terry L. and Ron L. Adams (editors) 2015 Toolstone Geography of the Pacific Northwest. Archaeology Press, Simon Fraser University, Burnaby, B.C.


Nicholas, G.P.


Nicholas, G.P., and N.M. Markey 2014 Traditional Knowledge, Archaeological


Nicholas, G.P. and J. Watkins

Puentes K. and Cardoso, HFV

Quinlan, M. and D. Lepofsky (editors)
2013 Explorations in Ethnobiology: The Legacy of Amadeo Rea. Contributions in Ethnobiology 1. [editorship shared equally]

Reimer, R.


Shahack-Gross R., Berna F., Karkanas P., Lemorini C., Gopher A., Barkai R.
2014 “Evidence for the repeated use of a central hearth at Middle Pleistocene (300 ky ago) Qesem Cave, Israel” Journal of Archaeological Science 44: 12-21

Sistiaga A., Berna F., Laursen R., Goldberg P.
2014 “Steroidal Biomarker Analysis of a 14,000 Years Old Putative Human Coprolite from Paisley Cave, Oregon” Journal of Archaeological Science 41: 813-817

Speller, C., D.V. Burley, R. Woodward and D. Yang


Tehrani, J.J. and Collard, M.

Turner, N., D. Deur, and D. Lepofsky.

Turner, Nancy and Dana Lepofsky (editors)
2013 Ethnobotany in British Columbia. BC Studies vol 179. [editorship shared equally]

Velliky, E. and R. Reimer

Vezina, B., and G. Nicholas
2014 Supporting Indigenous Communities at the Grassroots. WIPO Magazine, February,

Watkins, J.E., and G.P. Nicholas


Welch, J.R.


Welch, J.R., M.T. Altaha, and N.C. Laluk

Welch, J.R. and T.J. Ferguson

Welch, J.R. and N. Ferris
2014 ‘We have Met the Enemy and It is Us’: Improving Archaeology through Application of Sustainable Design Principles. Pp. 91-113 in Atalay, S., L. Rains Clauss, R.H. McGuire, and J.R. Welch (eds.) Transforming Archaeology: Activist Practices and Prospects. Left Coast Press, Walnut Creek, CA.

Welch, J.R. and I. Lilley (editors and authors of introduction with same title)

Williams, A.N., Ulm, S., Cook, A.R., Langley, M.C., and Collard, M.

SEMINARY SERIES SPEAKERS

Spring 2013

January 10
George Nicholas, Mark Collard, Dongya Yang, Department of Archaeology, SFU

January 17
Rob Losey, Department of Anthropology, University of Alberta
“The Archaeology of Human-Animal Relationships: Siberia and Beyond”

January 24
Peter Merchant, Department of Anthropology, University of British Columbia
“Shishalh Responses to the Colonial Conflict (1791-present): Resilience in the Face of Disease, Missionaries, and Colonization”

January 31
Rudy Reimer, Department of Archaeology and First Nations Studies, SFU
“Adventures in pXRF – ‘Ask not what the instrument can do for you, but what can I do with the instrument!’”

February 7
Darcy Mathews, Department of Anthropology, University of Victoria
“Power, Place and Ritual in the Late Period Straits Salish Ways of Death”

February 21
Harold Dibble, Department of Anthropology, University of Pennsylvania
“New Controlled Experiments on Flake Production: Implications for the Utility and Economization of Unretouched Flakes”

February 28
Julie Cruikshank, Department of Anthropology, University of British Columbia
“Melting Glaciers and Emerging Histories in Canada’s Far Northwest”

March 7
Robyn Woodward, Department of Archaeology, SFU
“Ghost Ships of the Klondike Gold Rush”

March 14
Margaret Nelson, School of Human Evolution and Social Change, Arizona State University
“Climate Shocks, Food Security, and Transformation: A Long-Term View”

March 21
Kathryn Bernick, Royal BC Museum
“Four Decades of Wet Site Archaeology in the Lower Mainland: Lessons Learned, Missing Links, and Relevance to Current Research Trends”
March 28  
**Marina LaSalle,** Department of Anthropology, University of British Columbia  
“Excavating ‘Nature’”

April 4  
**Peter Johansen,** Department of Anthropology, University of British Columbia  
“Investigating the Politics of Prehistoric and Early Historic Settlement and Land-use in South India: the Maski Archaeological Project”

April 11  
**Bruce Miller,** Department of Anthropology, University of British Columbia  
“Oral History, The Law, and Archaeology”

**Fall 2013**

September 12  
**David Burley,** Department of Archaeology, SFU  
“History of the Department of Archaeology”

September 19  
**George Nicholas,** Department of Archaeology, SFU  
“Cultural Heritage, Community, and Collaboration – from A(inu) to Z(ibiwing): The First Five Years of the IPinCH Project”

September 26  
**Steve Wolverton,** Department of Geography, University of North Texas  
“Conservation, Political Ecology, & Zooarchaeology”

October 3  
**Dana Lepofsky,** Department of Archaeology, SFU  

October 10  
**Lynn Welton,** Department of Classical, Near Eastern and Religious Studies, University of British Columbia  
“Social Regeneration and Identity Formation in the Early Iron Age: The View from the Northern Levant”

October 17  
**Kate Hennessy,** School of Interactive Arts and Technology, SFU  
“Co-curation and Participatory Media Production in the Virtual Museum”

October 24  
**Todd Koetje,** Department of Anthropology, Western Washington University  
“25 Years of Investigation at the Middle Paleolithic Site of Weasel Cave, North Ossetia, Russia”

October 31  
**Rudy Reimer,** Department of Archaeology and First Nations Studies, SFU  
“Reevaluating the Northern Northwest Coast, Sub-Arctic and Plateau Obsidian Exchange Network”  
with scenes from “Life from Ash and Ice”
November 7

**Various Graduate Students**, Department of Archaeology, SFU

“Snapshots of Summer 2013 Graduate Student Fieldwork: 8 Students, 5 Minutes, 3 Slides, 1 Question”

November 14

**Bruce Smith**, Department of Anthropology, National Museum of Natural History


November 21

**Shelby Anderson**, Department of Anthropology, Portland State University

“Ceramics and Social Networks in the Arctic”

November 29

**Duncan McLaren**, Department of Anthropology, University of Victoria

“Archaeology and Ancient Landscapes of the Hakai Luxvbalis Conservancy Region on the Central Coast of BC”

Spring 2014

January 9

**Jack Ives**, Department of Anthropology, University of Alberta


January 16

**Joseph Owen**, Department of Archaeology, Simon Fraser University & University of Aberdeen

“Geometric Morphometrics and Its Application to Pig Domestication”

January 23

**Bob Muckle**, Department of Anthropology, Capilano University

“Archaeology of Japanese Camps in North Vancouver”

January 30

**Richard Inglis**, Independent

“The Whalers’ Washing House of Nootka Sound”

February 6

**Lisa Cooper**, Department of Classical, Near Eastern and Religious Studies, University of British Columbia

“Investigations of a Late Assyrian Settlement at Bestansur, Iraqi Kurdistan”

February 20

**Michael Wilson**, Department of Earth and Environmental Systems, Douglas College

“Northward After Retreating Last-Glacial Ice: Fossil Clues to Megafaunal Evolution, Extinction, and Early Ecosystem Establishment in Western Canada”

February 27

**Jenny Adams**, Desert Archaeology Inc.

“No Stone Unturned: Connecting Ground Stone Tools to the People Who Used Them”
March 6
Kimberly Plomp, Department of Archaeology, SFU
“Quantifying Palaeopathology Using Geometric Morphometrics”

March 13
Rodolfo Fattovich, Universita degli Studi di Napoli “L’Orientale”
“The Northern Horn of Africa from Late Prehistoric to Early Islamic Time, ca. 3000 BCE – 1000 CE”

March 20
Ian Kuijit, Department of Anthropology, University of Notre Dame
“Evolutionary Grains? Rethinking Neolithic Food Storage and Social Inequality”

March 27
Grace Zhang & Deborah Merrett, Department of Archaeology, SFU
“Teeth Do Leave Impressions: Health and Subsistence in Ancient NE China”

April 3
Hugo Cardoso, Department of Archaeology, SFU
“Cautionary Note to Archaeologists of the Future: Burial Practices in the Contemporary Western World and the Disturbance of Human Remains”

Fall 2014

September 11
Francesco Berna, David Burley, Dana Lepofsky, and Dongya Yang, Department of Archaeology, SFU
“Notes From The Field”

September 18
Kevin Fisher, Department of Classical, Near Eastern and Religious Studies, University of British Columbia
“Investigating Urban Landscapes and Social Change on Late Bronze Age Cyprus”

September 25
Thomas Schneider, Department of Classical, Near Eastern and Religious Studies, University of British Columbia
“Egyptology in the Nazi Era”

October 2
Andrew Martindale, Department of Anthropology, University of British Columbia
“A line in time: archaeological evidence of Tsimshian narratives of the ‘War with the Tlingit’”

October 9
Genevieve Hill, Madrone Environmental Services, Ltd.
“Traditional wetland ecology and archaeology in the Cowichan Valley: A case study in perception”

October 16
Marc-Andre Bernier, Chief, Underwater Archaeology Service
“Parks Canada and the 1690 Wreck of the Elizabeth and Mary”
October 23
Molly Malone, Senior Researcher, The Firelight Group
“Charting Histories: Projection and Narrative in Coast Salish Aboriginal Territory Atlas Projects”

October 30
Morley Eldridge, President, Millenia Research Limited Archaeological and Heritage Consulting
“The Digital Revolution in Field and Analytical Archaeological Methods: a case study from the Northwest Coast”

November 6
Iain McKechnie, Department of Archaeology, SFU
“The Contemporary Relevance of Ancient Hunting and Fishing Traditions on the Northwest Coast”

November 13
Michael Blake, Department of Anthropology, University of British Columbia
“Sunrise over the Salish Sea: 5000 years of sacred solar orientation on the Northwest Coast”

November 20
Dan Martin, Independent Contract Archaeologist and Researcher
“Power Belts, the Spermatic Economy and Masculine Panic of the Turn of the Century”

November 27
Michael Richards, Department of Anthropology, University of British Columbia
“The ‘paleo-diet’ and the archaeological evidence for the evolution of human diets”