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University of Victoria

NOWCAM

FIFTEENTH ANNUAL MEETING

May 15–17, Victoria, BC

2014



Cogito ergo incola aquilo occasus



NOrth**W**est **C**ognition **A**nd **M**emory

NOWCAM is an annual venue for students and researchers from the Pacific Northwest working in the general area of memory and cognition to meet and share their current research with an informed, sympathetic, and good-humoured audience.

NOWCAM 2014 PROGRAM

University of Victoria

May 15th -17th

NOWCAM 2014

Hosted by the University of Victoria

Dr. D. Stephen Lindsay

Financially supported by: Kwantlen Polytechnic University, Simon Fraser University, University of Victoria, University of British Columbia, University of Washington, and Western Washington University

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NOWCAM Mission Statement

The Pacific Northwest is home to numerous wide-flung Psychology departments with strengths in cognition and memory. NOWCAM provides a forum for faculty and students from these departments to get together and discuss their latest research. Interactions with other researchers can spark innovations and cross-fertilizations that move the research forward in new and exciting ways. In any case, it's good fun to get together with friends and colleagues who share similar interests, chew the cognitive rag a bit, and quaff a beer or two over a good meal.

The aim of NOWCAM is to support Pacific Northwest faculty and student researchers working in the general area of memory and cognition by creating an annual venue in which they can share their current research activities with an informed, sympathetic, and good-humoured audience. With the exception of keynote addresses, NOWCAM favours papers and posters presented by students (usually with faculty as co-authors). This gives students an opportunity to develop their chops, and faculty a chance to sit back and relax.

Acknowledgements

Steve Lindsay is Grand Poo-bah Mother Hen of NOWCAM, and the NOWCAM Executive Committee (aka the Exalted Order of the Group of 7 ± 2) consists of Deb Connolly (SFU), Daniel Bernstein (Kwantlen), Peter Graf (UBC), Ira Hyman (WWU), Mike Masson (UVic), and Don Read (SFU/UVic). The Executive thanks the Student Organizing Committee of NOWCAM 2014: Tanjeem Azad, Mario Baldassari, Carrie Courchene, Kaitlyn Fallow, Simen Hagen, Azadeh Hajhosseini, Alison Heard, and Akina Umemoto. We would also like to express our gratitude to Andreas Breuer for assisting with the conference program booklet and to the volunteers for helping at the registration desk. We also thank Thrifty Foods, Starbucks Coffee, Hot House Pizza, and UVic for their generous discounts toward supplying the food and beverages.

Locations of Paper and Poster Presentations

Presentations by the keynote and other speakers will be held in the Bob Wright Centre, room A104. Poster sessions will be held in the Bob Wright Centre lobby.

Gala Dinner Information

On Friday, May 16th an exquisite three-course gala dinner will be held at Wild Saffron Bistro, 1605 Store St, from 7:30pm. Wild Saffron is located just off the Inner Harbour in beautiful downtown Victoria, and the banquet offers excellent food in a beautiful setting for just \$35 per person. Wild Saffron Bistro is part of Swans Hotel, equally famed for its hand-crafted beers brewed on site and its striking art collection. Swans brewpub features an indie rock band from 10pm that evening, and there are a number of other venues within a few blocks. The folks at the Bistro recommend approaching the restaurant from the north to avoid construction. Park in any of the conveniently located pay lots nearby if street parking is unavailable. You could also hop off the #4, #7, or #14 bus on Government St. or Johnson St. and walk over two blocks to Pandora St. and Wharf St. (which becomes Store St.).

Internet Access

If your institution is a member of eduroam and your wireless device (laptop, tablet, etc.) has been configured to use eduroam, please connect to the eduroam network and enter the credentials you would enter if logging on at your institution. This will provide you secure internet access (<https://wiki.bc.net/atl-conf/display/Services/How+to+use+eduroam>).

If your institution does not belong to eduroam or your wireless device has not been configured to use eduroam, you may use the NetLink ID NOWCAM14 and password CogRulz to log in to the regular UVic servers via UVic or UVicOpen. We recommend avoiding UVicOpen as you'd have to log in constantly to stay connected.

Program Outline

Thursday, May 15

8:00 pm – 11:00 pm No host reception at The Guild Freehouse (1250 Wharf St.)

Friday, May 16

8:00 am – 8:45 am Registration (breakfast refreshments provided)
8:45 am – 9:00 am Opening Remarks
9:00 am – 10:30 am **Paper Session I: Memory**
10:30 am – 10:45 am Break
10:45 am – 12:00 pm **Paper Session II: Eyewitness Testimony and False Memory**
12:00 pm – 1:15 pm Lunch (on your own)
1:15 pm – 2:30 pm **Paper Session III: Cognitive Performance**
2:30 pm – 2:45 pm Break
2:45 pm – 4:00 pm **Paper Session IV: Perception & Attention I**
4:00 pm – 4:15 pm Break
4:15 pm – 5:45 pm **Poster Session I: Memory and Cognitive Performance**
5:45 pm – 7:00 pm **Keynote by Larry L. Jacoby**
7:30 pm – 11:00 pm Gala dinner at Wild Saffron Bistro (1605 Store St.)

Saturday May 17

9:00 am – 9:30 am Registration (breakfast refreshments provided)
9:30 am – 11:00 am **Paper Session V: Perception and Attention II**
11:00 am – 11:15 am Break
11:15 am – 12:30 pm **Paper Session VI: Executive Function and Learning**
12:30 pm – 2:00 pm **Pizza Lunch & Poster Session II: Cognitive Performance and Decision Making**

Detailed Program

Thursday, May 15

8:00 pm – 11:00 pm No host reception at The Guild (1250 Wharf St.)

Friday, May 16

8:00 am – 8:45 am **Registration (Coffee and snacks available)**

8:45 am – 9:00 am **Opening Remarks**

Steve Lindsay, Grand Poo-Bah Mother Hen of NOWCAM
Peter Keller, Dean, Faculty of Social Sciences

9:00 am – 10:30 am **Paper Session I: Memory**

Chair: Tanjeem Azad

9:00 am Effects of level-of-processing and test context on pupil dilation and recollect/familiar judgments

Alexander Taikh & Glen E. Bodner

9:15 am Evaluating the basis of the production effect in recall

Angela M. Lambert, Alexander Taikh, Erin J. Shumlich, Camille C. Weinsheimer, & Glen E. Bodner

9:30 am A response deadline approach to understanding conservative response bias in recognition memory for paintings

Kaitlyn M. Fallow & D. Stephen Lindsay

9:45 am Children's memory for instances of a repeat event when one instance contains a deviation from the routine

Dayna M. Gomes & Deborah A. Connolly

10:00 am Task feedback alters the revelation effect

Devon Currie, Bertrand Sager, André Afzal, & Daniel M. Bernstein

10:30 am – 10:45 am **Break**

10:45 am – Noon **Paper Session II: Eyewitness Testimony and False Memory**

Chair: Kaitlyn Fallow

10:45 am Good things come to those who wait: Initial testing reduces suggestibility over a delay

Camille C. Weinsheimer, Mark J. Huff, & Glen E. Bodner

11:00 am The effect of a continuous deviation and post-event information on adults' memory for a repeated event

Kristin Chong, Patricia I. Coburn, Carla L. MacLean, Deborah A. Connolly, & Hongyuan Qi

- 11:15 am Proclivity to choose (PTC) on lineups predicted by PTC in face recognition
Mario J. Baldassari, Justin D. Kantner, & D. Stephen Lindsay
- 11:30 am The effects of race on mock juror decisions
Erin J. Shumlich & Melissa Boyce
- 11:45 am The effect of a potential motive to fabricate on individuals' interpretation and memory for information in legal cases
Patricia I. Coburn & Deborah A. Connolly
- 12:00 pm – 1:00 pm Lunch (on your own)**
- 1:15 pm – 2:45 pm Paper Session III: Cognitive Performance**
Chair: José J. F. Ribas Fernandes
- 1:15 pm The interaction of feedback, framing bias and affect in ambiguous and described risk decision making
Cristina G. Wilson, John M. Hinson, & Paul Whitney
- 1:30 pm Inducing preference reversals in aesthetic choices
Zornitza Belchev & Glen E. Bodner
- 1:45 pm Laterality, hemispheric interaction, and mathematical processing
Eric Failes, Andrew Hughes & Barbara Rutherford
- 2:00 pm Witness fatigue and misinformation
Tanjeem Azad, Carla L. MacLean, & D. Stephen Lindsay
- 2:15 pm Dissociating state and trait influences on inhibition in pre-clinical depression
Regard Booy & Mario Liotti
- 2:30 pm – 2:45 pm Break**
- 2:45 pm – 4:00 pm Paper Session IV: Perception and Attention I**
Chair: Akina Umemoto
- 2:45 pm Target enhancement or active distractor suppression following involuntary attentional capture?
Ashley C. Livingstone, Gregory J. Christie, & John J. McDonald
- 3:00 pm Exogenous and endogenous salience as a determinant of perceived temporal order throughout the attentional blink
Hayley E. P. Lagroix, James W. Patten, & Thomas M. Spalek
- 3:15 pm The Effects of Action Representations on Identification of Handled Objects
Luke Mountjoy, Daniel N. Bub, & Michael E.J. Masson

- 3:30 pm Form follows function: The time course of hand action representations evoked by handled objects
Ragav Kumar, Michael E. J. Masson, & Daniel N. Bub
- 3:45 pm Time course of evoked action representations
Carrie Courcbene, Daniel N. Bub, & Michael E. J. Masson
- 4:00 pm – 4:15 pm Break**
- 4:15 pm – 5:45 pm Poster Session I: Memory and Cognitive Performance (Details page 8-9)**
- 5:45 pm – 7:00 pm Keynote: Noticing and Recollecting Change: Looking Back**
Dr. Larry L. Jacoby, Professor of Psychology, Washington University in St. Louis
- 7:30 pm – 11:00 pm Gala dinner at Wild Saffron Bistro**

Saturday, May 17

- 9:00 am – 9:30 am Registration
- 9:30 am – 10:45 am **Paper Session V: Perception and Attention II**
Chair: Azadeh HajiHosseini
- 9:30 am Turning in front of motorcycles: The effect of lane position on motion-camouflage
Bertrand Sager & Thomas M. Spalek
- 9:45 am The roles of visible persistence and transient neural responses in temporal integration masking
James W. Patten, Hayley E. P. Lagroix, Vincent Di Lollo, Bertrand Sager, Ali Jannati, Matthew R. Yanko, & Thomas M. Spalek
- 10:00 am Reward/valence processing and attention shifting in athletes: Examining the neural markers of concussion
William R. Moore, Justin E. Karr, Emily C. Duggan, Corson Areshenkoff, Iris Gordon, & Mauricio A. Garcia-Barrera
- 10:15 am Potential electrophysiological evidence for auditory search asymmetry
Elizabeth Blundon & Lawrence Ward
- 10:30 am Mind wandering redux
Trish Varao Sousa & Alan Kingstone
- 10:45 am Efficient visual search is impaired during the attentional blink: An event-related potential study
John M. Gasper, Hayley E. P. Lagroix, Vincent Di Lollo, Pierre Jolicoeur, & John J. McDonald
- 11:00 am – 11:15 am Break**

11:15 am – 12:30 pm Paper Session VI: Executive Function and Learning

Chair: Mario J. Baldassari

11:15 am The role of beta-gamma oscillations in feedback processing
Azadeh HajiHosseini & Clay B. Holroyd

11:30 am Neural correlates of planning
José J. F. Ribas Fernandes, Azadeh HajiHosseini, & Clay B. Holroyd

11:45 am Task-specific effects of reward on task switching
Akina Umemoto & Clay B. Holroyd

12:00 pm Updating working memory and inhibition in athletes: Examining the neural markers of concussion
Emily C. Duggan, Ryan Lim, Kelly A. Sutton, Justin E. Karr, William R. Moore, Corson N. Areshenkoff, Iris Gordon, & Mauricio A. Garcia-Barrera

12:30 pm – 2:00 pm On-site Pizza Lunch and Poster Session II: Cognitive Performance and Decision Making (Details pp. 10-11)

Friday, May 16 (continuation)

Poster Session I: Memory and Cognitive Performance

4:15 pm – 5:45 pm

1. The good, the bad and the neutral: An investigation of affect, motivation and memory
Anna Maslany, Peter Graf, Ashlee Ko, & Matei Stoian
2. Suggested invisibility: Leading people to mistakenly report not seeing visible details
Alice Wilson, Tanjeem Azad, Brittany Cardwell, & D. Stephen Lindsay
3. Effects of initial testing and previewing on recognition
Zornita Belchev & Glen E. Bodner
4. Differences among trauma memories and the relationship between rehearsal and recall
Chelsea J. Melton, Ariel E. Luna, Christina A. Byrne, & Ira E. Hyman
5. Feature overlap in action sequence
Alexandra Stubblefield, Richard Leary, & Lisa Fournier
6. The limits of eye contact effect: Prolonged eye contact impedes memory
Mona J. H. Zbu, Crystal S. J. Byun, Sophie N. Lanthier, Michelle Jarick, & Alan Kingstone
7. Presentation frequency of the last feature of a stimulus event may not result in partial repetition costs
Ezana Taddese, Torii Anderson, Rebecca La, & Lisa R. Fournier
8. Interaction of memory facilitation constructs: A factorial analysis of survival processing and the production effect
Brandon M. Tomm & Andrea Hughes
9. On the revelation effect and cognitive effort
Devon Currie, André Afzal, & Daniel M. Bernstein
10. Proportional manipulation of produced words tests the distinctiveness and strength accounts of the production effect
Dawn-Leah McDonald, Daniel M. Bernstein, Randall K. Jamieson, & Glen E. Bodner
11. Does perceptual elaboration affect co-witness suggestibility?
Kaitlin Blackwood, Tanjeem Azad, D. Stephen Lindsay
12. Practice makes perfect? The effect of feedback on timing accuracy
Janel Fergusson, Samantha Limvalencia, Sean Olsen, & Peter Graf
13. Recall me maybe: Thought suppression and the song stuck in my head
Kayleigh I. Cutshaw, Samantha M. Clark, Kylee Pomerville, Sydney Drever, Joseph S. Blyth, Madeline C. Jalbert, & Ira E. Hyman

14. Factors that influence perceived cognitive control during childbirth and the effect on the infant and mother's well-being
Alina Benischek & Erica Woodin
15. Perception of marital harmony influences binge-eating disorder
Kennie Cannady, Stephanie Hancock, Carrie A. Leonard, Robert Williams, & Robert Hann
16. Anxiety in social situations
Jennifer Kenworthy
17. Examining personality facets and neurocognitive functions underlying theory of mind
K. B. Zaidi & Wendy J. L. Thornton
18. The relation between executive function and sibling status in children with and without autism
Natasha Senghera, Sarah M. Hutchison, & Grace Iarocci
19. Learned differences in the spatial distribution of eye movements.
Jordan I. Barnes & Mark R. Blair
20. Cross-cultural influences on prospective memory and executive functions
Julie Chang & Peter Graf

Saturday, May 17 (continuation)

Poster Session II: Cognitive Performance and Decision Making

12:30 pm – 2:00 pm (pizza lunch provided)

1. Knowledge mobilization: Preliminary evaluation of an assistive app for cognitive impairments after traumatic brain injury
Nicholas Hargrove, Sharon Livingstone, & Ronald Skelton
2. Broken promises and sex
Shabr̥zad Jamali, Peter Graf, Michelle Crease, & Christopher Lee
3. Psychology telemetry from video game data
Scott Harrison, Mark R. Blair, Andrew J. Henry, Bill Chen, & Joseph J. Thompson
4. A novel training regimen for studying visual expertise acquisition
Verena Willenbockel, Alette Lochy, Renaud Laguesse, Adam R. Dryden, Bruno Rossion, & Quoc C. Vuong
5. Look who's talking: Effect of knowledge and talking on social gaze
Simon Ho, Tom Foulsham, & Alan Kingstone
6. Developmental continuity between early social-cognitive abilities and later theory of mind
Emanuela Yeung, Ulrich Muller, & Jeremy I. M. Carpendale
7. "Mind reading" by face and voice: An examination of the effects of ageing on the comprehension of emotion
Karisa Teindl & Lesley J. Jessiman
8. Are erroneous cognitions key in the development of problem gambling?
Carrie A. Leonard, Robert J. Williams & Robert Hann
9. Poker skill: Do professionals know what they're talking about?
Cassandra J. Jackson & Carrie A. Leonard
10. Strategy choice in a new dual-strategy virtual Morris Water Maze (MWM) depends on environment features, instructions, and gender
Thomas Ferguson, Dustin van Gerven, & Ronald Skelton

11. Low-level stress strongly affects navigational strategy choice in a dual-strategy virtual Morris Water Maze in both men & women
Thomas van Heyningen, Dustin van Gerven, Thomas Ferguson, & Ronald Skelton
12. Acute stress affects navigational strategy choice in a dual-strategy virtual Morris Water Maze only in women
Dustin van Gerven & Ronald Skelton
13. A way with words: Straight or crooked? Fluency of processing in a lexical decision-making task?
Natasha Pestonji, Ashvini Sunthoram, Francine de los Reyes, & Peter Graf
14. Decisions, decisions... Individual differences in decision-making under prospect theory
Claire McCormick & Adam Krawitz
15. Neural correlates of intuitive prosocial decision-making: An ERP investigation
Ryan W. Carlson, Mario Liotti, & Lara B. Akinin
16. I'd like to see less of you: Subjective evaluation and visual information
Lauren Krowicki & Javid Sadir
17. Children's and adults' interpretation of brand labels
Tina S.-T. Huang & Geoffrey Hall
18. Disposal bin positioning and colouring influences recycling behaviour
Peter Lenkic, Vanessa Wong, David Wu, Alessandra DiGiacomo, & Alan Kingstone
19. Costs due to action-feature overlap between action plans are influenced by working memory span
Alexandra Stubblefield, Lisa R. Fournier, & Lawrence P. Behmer, Jr.
20. Social cognition is impaired in alcoholics, a meta-analysis.
Kimia Nassebi, Daniel M. Bernstein, & Alan E. Thornton

Abstracts

Paper Session I: Memory

9:00 am **Effects of level-of-processing and test context on pupil dilation and recollect/familiar judgments**

Alexander Taikh & Glen E. Bodner

Recollection has been found to elicit greater pupil dilation than familiarity at test. We measured level-of-processing effects on pupil dilation both at study and during a recognition test to clarify whether pupil dilation differences at test reflect differences at encoding and/or retrieval. Pupil dilation was also used to resolve a discrepancy in the literature regarding whether test-list context has a dissociative or parallel effect on recollection/familiarity judgments at test.

9:15 am **Evaluating the basis of the production effect in recall**

Angela M. Lambert, Alexander Taikh, Erin J. Shumlich, Camille C. Weinsheimer, & Glen E. Bodner

The production effect refers to a memory advantage for items read aloud versus silently. Across three experiments we show that the production effect in free recall is limited to mixed lists, reflects a cost to silent items, and is not attenuated by the presence of a second distinctive encoding manipulation (generation or imagery). This pattern challenges both distinctiveness and strength accounts of the production effect but supports an item-order account.

9:30am **A response deadline approach to understanding conservative response bias in recognition memory for paintings**

Kaitlyn M. Fallow & D. Stephen Lindsay

A series of experiments have consistently found recognition memory response bias to be conservative when subjects study and are tested on paintings, but efforts to understand the mechanism(s) of this bias have been inconclusive. The proposed paper describes a recent attempt to narrow down the possible origins of the bias by implementing a response deadline at test and outlines some potential next steps given the questions raised by the results.

9:45 am **Children's memory for instances of a repeat event when one instance contains a deviation from the routine**

Dayna M. Gomes & Deborah A. Connolly

We investigated the effects of different types of event changes (i.e., deviations) on children's memory for an instance of a routine. For some children the change affected how the instance was experienced (continuous deviation), for others the change did not affect how the instance was experienced (discrete deviation), and for others there was no change (no deviation). Only the continuous deviation affected children's memory reports during cued recall.

10:00 am **Task feedback alters the revelation effect**

Devon Currie, Bertrand Sager, André Aßfalg, & Daniel M. Bernstein

Problem-solving tasks preceding recognition decisions yield more “old” responses—the Revelation Effect (RE). In most RE studies, participants successfully solve the task, giving participants implicit feedback about their performance. This feedback might influence the recognition decision, causing the RE. We manipulated explicit feedback after tasks: “correct” or “incorrect.” “Correct” feedback resulted in a RE, while “incorrect” feedback caused a misattribution to claim “new”—a reversed RE.

10:15 am **Cross-cultural influences on prospective memory and executive functions**

Julie Chang

Prospective memory is the ability for carrying out plans and intentions after a delay and is assumed to depend on executive functions. Cross-cultural research points to differences in the development of some executive functions. Our study revealed cultural upbringing may have influenced performance on prospective memory and associated cognitive tasks.

Paper Session II: Eyewitness Testimony and False Memory

10:45 am **Good things come to those who wait: Initial testing reduces suggestibility over a delay**

Camille C. Weisenheimer, Mark J. Huff, & Glen E. Bodner

Using a misinformation paradigm, we examined whether taking an initial test after encoding improves memory accuracy. Participants studied household scenes, then completed initial recall testing (vs. not), viewed fictitious recall tests containing misleading scene items, and performed final recall and source tests after a 0- or 48-hour delay. Initial testing increased correct recall and reduced suggestibility on both tests, particularly after a delay, indicating protective effects of testing.

11:00 am **The effect of a continuous deviation and post-event information on adults' memory for a repeated event**

Kristin Chong, Patricia I. Coburn, Carla L. MacLean, Deborah A. Connolly, & Hongyuan Qi

This research investigated the effect of continuous deviation and post-event information on adults' memory of a repeated event. Participants engaged in five related sessions (with/without interruption) and were interviewed two days later. Half of the participants were told that the research assistant was on probation with the lab. Accuracy was highest and internal intrusions were lowest in the continuous deviation condition when participants received post-event information.

11:15 am **Proclivity to choose (PTC) on lineups predicted by PTC in face recognition**

Mario J. Baldassari, Justin D. Kantner, & D. Stephen Lindsay

Can we estimate in advance a witness's susceptibility to making false identifications in culprit-absent lineups? Kantner and Lindsay (2012) found that response criterion on a standard test of old/new recognition correlated with the likelihood of making lineup identifications. After several pilots, we found and replicated a relationship between rate of false alarms on 3AFC, target-absent face recognition trials and false alarm rates on TA lineup trials (both r 's = 0.45).

11:30 am **The effects of race on mock juror decisions**

Erin J. Shumlich & Melissa Boyce

Research suggests that certain races and crimes are associated (Sannafrank & Fontes, 1983). The current study tested whether common prejudicial beliefs about Aboriginal Canadians and the type of crime committed will affect individuals' perceptions of guilt. Results suggest that race-crime congruency had a significant effect on the conviction, consistent with previous research. This study can bring awareness that the criminal justice system does not treat everyone equally.

11:45 am **The effect of a potential motive to fabricate on individuals' interpretation and memory for information in legal cases**

Patricia I. Coburn & Deborah A. Connolly

This research explored the effect of motive on memory for judgments in legal cases. Participants read a trial direct-examination, rated witness credibility and weighed ambiguous evidence. One week later participants read the cross-examination (motive / no motive) and completed the same questionnaires as session one. Half the participants were asked to report their original responses. Ratings shifted across sessions regardless of memory instructions and motive influenced ratings of ambiguous evidence.

Paper Session III: Cognitive Performance

1:15 pm **The interaction of feedback, framing bias and affect in ambiguous and described risk decision making**

Cristina G. Wilson, John M. Hinson, & Paul Whitney

The role of feedback in reducing risky decision biases has been largely unexplored. This study examined whether feedback could reduce framing bias in ambiguous and described risk decisions. We used novel tasks involving repeated decisions and a normatively correct option on each trial. Frame-induced decision errors declined when feedback was provided on each trial. Partial feedback did not reduce errors even though it allowed for accurate knowledge of choice outcomes.

1:30 pm **Inducing preference reversals in aesthetic choices**

Zornitza Belchev & Glen E. Bodner

We often flip-flop in our preferences and choices (e.g., food, music, art). Yet preference reversals in decision making are typically studied by manipulating choice wording across trials (i.e., framing). We attempted to reverse participants' preferences for paintings across trials within a single task. After participants chose between two average paintings, we compared preference reversal rates for the same pair of paintings after a contrast (vs. control) manipulation across intervening trials.

1:45 pm **Laterality, hemispheric interaction, and mathematical processing**

Eric Failes, Andrew Hughes & Barbara Rutherford

Physiological measures suggest that both brain hemispheres are involved when processing simple addition problems, while complex addition problems are best processed by the left hemisphere.

Few studies have tested addition-processing laterality using behavioural measures. The present study examined hemispheric lateralization of simple and complex addition problems using a novel behavioural procedure in which addition problems are presented at fixation, with or without a lateralized distractor. Findings converge with physiological measures.

2:00 pm

Witness fatigue and misinformation

Tanjeem Azad, Carla L. MacLean, & D. Stephen Lindsay

Are witnesses who are mentally fatigued more likely to recall misinformation about an industrial incident than witnesses who are not fatigued? We recruited participants from the Canadian Nurses Association to explore this issue. Fatigued and non-fatigued nurses viewed a simulated industrial incident, were exposed to misinformation about certain aspects of the incident and then completed a memory test. Fatigue did not increase susceptibility to misinformation and we discuss our findings.

2:15 pm

Dissociating state and trait influences on inhibition in pre-clinical depression

Regard Booy & Mario Liotti

Methodological concerns and population choice, prevents previous research using the Negative Affective Priming (NAP) paradigm from differentiating between State and Trait influences in depression. To address this question, participants completed two NEO-PI-R subscales, as well as the NAP task under three different mood induction conditions. Results suggest that trait effects are much stronger than mood state effects, which might explain the high remission rates of certain therapeutic approaches.

Paper Session IV: Perception and Attention I

2:45 pm

Target enhancement or active distractor suppression following involuntary attentional capture?

Ashley C. Livingstone, Gregory J. Christie, & John J. McDonald

After a distractor captures attention, distractor processing may be suppressed to reorient attention elsewhere. Consistent with this, researchers have asserted that a distractor elicits an N2pc and then a Pd (ERP indices of selection and suppression, respectively). We show that the putative Pd is elicited not by the distractor, but by a subsequent search array item. We interpret this ERP index in terms of attentional enhancement, not distractor suppression.

3:00 pm

Exogenous and endogenous salience as a determinant of perceived temporal order throughout the attentional blink

Hayley Lagroix, James W. Patten, & Thomas M. Spalek

The perceived temporal order of two sequential targets is impaired during the attentional blink (AB). We tested a prior-entry account of this finding by manipulating the targets' relative salience, either endogenously or exogenously. Consistent with prior entry, exogenous salience was equally effective throughout the AB; however, inconsistent with prior entry, endogenous salience was fully effective only outside the AB. Parallels are drawn with the effects of exogenous and endogenous cueing.

3:15 pm The effects of action representations on identification of handled objects

Luke Mountjoy, Daniel N. Bub, & Michael E.J. Masson

We demonstrate that motor actions associated with handled objects play a role in the identification of these objects. Identification was slowed when the object was presented immediately following the action cue and matched both in hand alignment and wrist orientation. However, when presentation of the object was delayed, wrist orientation slowed identification but hand alignment facilitated. These results imply a change in neural representations of features over time.

3:30 pm Form follows function: The time course of hand action representations evoked by handled objects

Ragav Kumar, Michael E. J. Masson, & Daniel N. Bub

Subjects made vertically or horizontally oriented reach and grasp actions primed by handled objects that were depicted in upright or rotated orientation. Congruency effects between action and object orientation were driven by the object's canonical orientation at 0-ms SOA, but by its depicted orientation at 250-ms SOA. We conclude that subjects initially access a conceptual representation of the object, before its form has had time to elicit an action representation.

3:45 pm Time course of evoked action representations

Carrie Courchene, Daniel N. Bub, & Michael E. J. Masson

Hand grasps for manipulable objects are either functional (applied when using an object) or volumetric (applied when merely lifting an object). Participants made a reach and grasp response in the context of a pictured object. In contrast to the pattern of action priming effects previously obtained using object names, these results show a tight coupling in the temporal dynamics of functional and volumetric action representations elicited by object form.

Paper Session V: Perception & Attention II

9:30 am Turning in front of motorcycles: The effect of lane position on motion-camouflage

Bertrand Sager & Thomas M. Spalek

What influence does an oncoming motorcycle's trajectory have on a driver's decision to turn left in front of it? Using a high-fidelity driving simulator, we examined the deceleration profiles of drivers intending to make a left-turn at an intersection where they were confronted with a motorcycle on a collision course, either in a left-of-lane or a right-of-lane position. Braking was consistent with motion-camouflage impairing the detection of left-of-lane position motorcycles.

9:45 am The roles of visible persistence and transient neural responses in temporal integration masking

James W. Patten, Hayley E. P. Lagroix, Vincent Di Lollo, Bertrand Sager, Ali Jannati, Matthew R. Yanko, & Thomas M. Spalek

A brief target continues to be visible for a period of time after its offset. The duration of this visible persistence is said to be inversely related to the duration of stimulus presentation (Di Lollo, 1980). We propose that results previously attributed to visible persistence may instead arise from onset and/or offset transients. The results of three experiments supported the role of transients in mediating target identification.

10:00 am **Reward/valence processing and attention shifting in athletes: Examining the neural markers of concussion**

William R. Moore, Justin E. Karr, Emily C. Duggan, Corson Areshenkoff, Iris Gordon, & Mauricio A. Garcia-Barrera

Past research has identified neurophysiological (EEG) variability as a potential indicator of concussion, but rarely in relation to executive functions (EF). The current study presents the results of two computerized tasks used to assess the effects of concussion and exercise on two neural markers of EF: reward/valence processing (reward positivity) and attention shifting (P300). Three groups were compared: athletes with concussion, athletes without concussion, and sedentary controls (without concussion).

10:15 am **Potential electrophysiological evidence for auditory search asymmetry**

Elizabeth Blundon & Lawrence Ward

It has been shown that an object containing a feature that is absent among distractors "pops out", while finding an object with a missing feature requires sustained attention. This has been shown in visual search, but could the equivalent be seen in the auditory domain? We explored auditory analogues of these search items, and suggest some possible electrophysiological evidence of the existence of search asymmetry in the auditory modality.

10:30 am **Mind wandering redux**

Trish Varao Sousa & Alan Kingstone

The frequency of mind wandering during reading, and the factors that give rise to it, are well researched. But how is reading behaviour affected after a mind wandering episode? We addressed this question by asking students to read "War & Peace" and to self-report when they were mind wandering, and if and where they reread text. Our findings indicate that after a mind wandering episode people often compensate by rereading.

10:45 am **Efficient visual search is impaired during the attentional blink: an event-related potential study**

John M. Gasper, Hayley E. P. Lagroix, Vincent Di Lollo, Pierre Jolicoeur, & John J. McDonald

Visual search has been found to be delayed during the attentional blink (AB). Here, we asked whether this impairment is related to target selection or distractor suppression processes. We found that during the AB, targets elicited a delayed N2pc and distractors did not elicit a PD (ERP indices of selection and suppression, respectively). These results indicate that both target selection and distractor suppression are disrupted by the AB.

Paper Session VI: Executive Function and Learning

11:15 am **The role of beta-gamma oscillations in feedback processing**

Azadeh HajiHosseini & Clay B. Holroyd

Reward feedback stimuli elicit EEG oscillatory activity in beta-gamma frequency band (20-35 Hz) but the function and origins of this activity are not clearly established. In a set of two experiments, we showed that these oscillations are mainly sensitive to the valence of feedback and are localized in the right dorsolateral prefrontal cortex (DLPFC). These findings suggest that beta activity might represent the role of DLPFC in learning from feedback.

11:30 am **Neural correlates of planning**

José J. F. Ribas Fernandes, Azadeh Hajihosseini, & Clay B. Holroyd

We sought to explore the poorly understood EEG correlates of planning in a spatial navigation task, in a reward-driven context. Human subjects were asked to conjure new paths, prior to movement, in a familiar virtual town. After a delay, participants had to enact the paths and were rewarded for fast and accurate performance. We observed fronto-temporal potentials in planning trials, the nature of which is still under exploration.

11:45 am **Task-specific effects of reward on task switching**

Akina Umemoto & Clay B. Holroyd

We examined the interrelationship between cognitive control and reinforcement learning in a standard task-switching experiment. Reaction times and error-rates, as well as switch costs in error-rates, were reduced for the reinforced task compared to the non-reinforced task, revealing a “non-paradoxical” asymmetric switch cost. Our findings suggest that reinforcement at the task level resulted in greater application of top-down control rather than in stronger stimulus-response pathways for the reinforced task.

12:00 pm **Updating working memory and inhibition in athletes: Examining the neural markers of concussion**

Emily C. Duggan, Ryan Lim, Kelly A. Sutton, Justin E. Karr, William R. Moore, Corson N. Areshenkoff, Iris Gordon, & Mauricio A. Garcia-Barrera

This event-related potential study examined how fitness-based cognitive gains may buffer against the adverse effect of concussion on two components of executive functioning: updating working memory (N-back; P300) and inhibition (Go/No-Go; N200). Three groups (concussed athletes, non-concussed athletes, and non-concussed sedentary controls) were compared on task performance and component peak-amplitude and latency. Neurophysiological and subtle task-performance differences inform researchers on the combined influence of fitness and concussion on cognition.

Poster Session I: Memory and Cognitive Performance

Friday, May 16, 4:15 pm – 5:45 pm

1. The good, the bad and the neutral: An investigation of affect, motivation and memory
Anna Maslany & Peter Graf

Valence (stimulus perception) can be positive, negative, or neutral. Researchers suggest positive affect broadens attention and negative affect narrows attention (Fox, 2008). Others suggest attentional breadth is determined by motivational intensity (the strength of the tendency to approach/avoid a stimulus) (Harmon-Jones & Gable, 2008). These predictions were tested. Participants viewed short and long valenced picture sequences, and unrelated words. Participants completed a recognition test for the words. Results are discussed.

2. Suggested invisibility: Leading people to mistakenly report not seeing visible details
Alice Wilson, Tanjeem Azad, Brittany Cardwell, & D. Stephen Lindsay

We examined the suggested invisibility effect, in which witnessed details are erroneously suggested to not have been visible. After witnessing a crime video, participants read mock witness reports that misinformed them that certain details in the video had been invisible. Compared to control details, participants more often reported that suggested invisible details had been forgotten.

3. Effects of initial testing and previewing on recognition
Zornita Belchev & Glen E. Bodner

Initial testing improves memory more than an additional study experience (i.e., the testing effect). We examined the effect of whether Test 1 and 2 items were the same or different, and the effect of previewing versus making recognition judgments on Test 1. Recognition was generally worse on Test 2 regardless of whether Test 1 and 2 were the same versus different, or whether participants previewed versus responded on Test 1.

4. Differences among trauma memories and the relationship between rehearsal and recall.
Chelsea J. Melton, Ariel E. Luna, Christina A. Byrne, & Ira E. Hyman

Participants (N=561) provided narratives and ratings of their worst and positive life events. They then completed the Posttraumatic Stress Disorder Checklist (PCL) and the Beck Depression Inventory (BDI). For this poster, we will investigate differences in how people rate their memories and the narrative coherence of memories for different types of traumatic events. We then looked at relationships between narrative coherence, memory ratings, and the measure of post-traumatic stress.

5. Feature overlap in action sequence
Alexandra Stubblefield & Richard Leary

An action plan maintained in memory can interfere with an ongoing action if they partly overlap (partial repetition costs; PRC). We examined whether all action elements of a plan held in memory interfere equally

with an ongoing action or whether interference varies depending on which action elements overlap. We found no evidence that interference varies depending on which action elements overlap. This contrasts previous findings that examined shorter action sequences.

6. The limits of eye contact effect: Prolonged eye contact impedes memory

Mona J. H. Zhu, Crystal S. J. Byun, Sophie N. Lanthier, Michelle Jarick, & Alan Kingstone

Females remember words better when an experimenter speaks to them while making eye contact. The current experiment explored the limits of this effect. An experimenter read aloud a list of words while directing eye contact toward or away from the participant for prolonged periods. The gaze effect was reversed with prolonged eye contact impeding memory performance. Results and implication will be discussed with regards to a performance-arousal hypothesis.

7. Presentation frequency of the last feature of a stimulus event may not result in partial repetition costs

Ezana Taddese, Torii Anderson, Rebecca La, & Lisa R. Fournier

An action plan in memory interferes with an ongoing action if they partly overlap (partial repetition cost; PRC). These PRCs have been found when overlap occurs for the first, but not the last feature of the action sequence. We examined whether PRCs would occur for last-feature overlap if this feature occurred with higher frequency than the first. No PRC was found, suggesting PRCs are likely restricted to first-feature overlap.

8. Interaction of memory facilitation constructs: A factorial analysis of survival processing and the production effect

Brandon M. Tomm & Andrea Hughes

Memory facilitation constructs (survival processing and verbal production) were manipulated in a within-subjects 2x2 design. Subjects (N=60) read word lists either silently or out loud (production), and rated words for usefulness in a survival scenario (survival processing) or an unrelated scenario. Retention was measured by a forced-choice recognition test. After a d-prime analysis, significant main effects for survival and production were found, as well as a survival x production interaction.

9. On the revelation effect and cognitive effort

Devon Currie, André Afzal, & Daniel M. Bernstein

Problem-solving tasks preceding recognition decisions yield more “old” responses—the Revelation Effect. Prior research has dismissed cognitive effort’s role in the effect without independently measuring effort manipulations. We compared solution times of practiced and non-practiced problem-solving tasks. Despite almost threefold faster solution times for practiced tasks, the Revelation Effect was identical for practiced and non-practiced tasks. This further supports the claim that the Revelation Effect is an “all-or-nothing” phenomenon.

10. Proportional manipulation of produced words tests the distinctiveness and strength accounts of the production effect

Dawn-Leah McDonald, Daniel M. Bernstein, Randall K. Jamieson, & Glen E. Bodner

Words produced by reading aloud or writing are remembered better than words read silently - the production effect. We manipulated the proportion of produced words in two experiments (N = 290) and evaluated the evidence in consideration of both strength and distinctiveness as explanations for the production effect. Production increased memory traces at encoding (strength); by making words stand out in comparison to others, production made them distinctive and memorable.

11. Does perceptual elaboration affect co-witness suggestibility?

Kaitlin Blackwood, Tanjeem Azad, D. Stephen Lindsay

We investigated whether having subjects perceptually elaborate on witnessed details not seen by their co-witness would lead the co-witness to imagine and later experience illusory recollections of the witness-suggested details. Subject pairs jointly watched a simulated crime video using the MORI technique and then either perceptually elaborated or did not elaborate on details from the video. Perceptual elaboration did not increase erroneous reports of witness-suggested details or illusory recollections.

12. Practice makes perfect? The effect of feedback on timing accuracy

Janel Fergusson, Samantha Limvalencia, Sean Olsen, & Peter Graf

Many tasks require us to accurately judge the passing of time using internal and intuitive devices rather than clocks. The present study was designed to determine whether subjects are able to use feedback to improve timing accuracy. Subjects produced intervals of 2, 4, and 6 minutes and received feedback regarding accuracy. Accuracy, in terms of the percentage subjects under- or overestimate by, was compared across intervals and across trials.

13. Recall me maybe: Thought suppression and the song stuck in my head

Kayleigh I. Cutshaw, Samantha M. Clark, Kylee Pomerville, Sydney Drever, Joseph S. Blyth, Madeline C. Jalbert, & Ira E. Hyman

We explored how attempting to suppress a song in awareness may cause a rebound effect using two different methodologies. First using a classic instruction to not think about the song and second by having music in the background while people engaged in another cognitive task. We found that classic thought suppression techniques did not cause songs to get stuck but that music in the background frequently returned to awareness.

14. Factors that influence perceived cognitive control during childbirth and the effect on the infant and mother's well-being

Alina Benischek & Erica Woodin

We examined how perceived sense of cognitive control during child birth influences postpartum mental health. The cognitive and social risk factors associated with cognitive control were examined. Low perceived

partner support, prenatal anxiety symptoms and associated cognitive difficulties were associated with low perceived control. Mental stress and low perceived control were associated with postpartum PTSD, postpartum depression symptoms, and an increase in attention and emotional behavioral concerns in the infant.

15. Perception of marital harmony influences binge-eating disorder
Kennie Cannady, Stephanie Hancock, Carrie A. Leonard, Robert Williams, Robert Hann

Absent in the literature is the effect of perceived marital harmony on Binge-eating Disorder (BED) behaviours. The aim of the current research was to fill this literary void. Using a sample of $n = 4121$, tested once per year across five years, it was found that those (regardless of gender) who reported being less than satisfied in their marriage engaged in significantly more BED behaviours.

16. Anxiety in social situations
Jennifer Kenworthy

The purpose of this study is to see if anxiety is reduced via breathing technique. Participants read a short passage to the researcher and a camera. The experimental group does the breathing exercise and the control sits quietly. The participants are asked to read another short passage. Measurements are the state and trait anxiety inventories. Results should show that the experimental group experiences less anxiety after the breathing technique.

17. Examining personality facets and neurocognitive functions underlying theory of mind
K. B. Zaidi & Wendy J. L. Thornton

We examined associations between personality traits and theory of mind (ToM) in 209 adults, after controlling for traditional neurocognitive abilities. Younger age, higher verbal knowledge, and higher cognition predicted better cognitive ToM. With affective ToM, a significant age-by-openness interaction emerged, such that higher openness predicted better affective ToM in younger adults beyond gender, verbal-knowledge, and cognition. Results suggest personality factors contribute to social cognition beyond neurocognitive abilities.

18. The relation between executive function and sibling status in children with and without autism
Natasha Senghera, Sarah M. Hutchison, & Grace Iarocci

Fifty-three children (6-13 years) with and without autism were compared on parent reports of executive function (EF). Consistent with previous research, typically developing children with siblings had better EF skills (inhibit, shift, working memory) than children without siblings. However, there were no differences in EF skills among ASD children with or without siblings. The relation to autism-specific characteristics, as well as methodological implications, will be discussed.

19. Learned differences in the spatial distribution of eye movements
Jordan I. Barnes & Mark R. Blair

Numerous studies have supported varying interpretations of the shapes of spatial attention. One way we propose to investigate these patterns is through eye tracked category learning experiments that manipulate the distances of relevant information. In two experiments, the spacing between simple features is changed and the corresponding affects on spatial distribution and fixation duration of eye movements are reported.

20. **Cross-cultural influences on prospective memory and executive functions**

Julie Chang & Peter Graf

Prospective memory is the ability for carrying out plans and intentions after a delay and is assumed to depend on executive functions. Cross-cultural research points to differences in the development of some executive functions. Our study revealed cultural upbringing may have influenced performance on prospective memory and associated cognitive tasks.

Poster Session II: Cognitive Performance & Decision Making

Saturday, May 17, 12:30 pm – 2:00 pm

1. Knowledge mobilization: Preliminary evaluation of an assistive app for cognitive impairments after traumatic brain injury

Nicholas Hargrove, Sharon Livingstone, & Ronald Skelton

Cognitive impairments associated with traumatic brain injury (e.g., memory, decision-making problems) can make community travel difficult. CanAssist is developing a smartphone app to help brain-injury survivors take the bus. To evaluate it, we mobilized knowledge regarding TBI sequelae and test-instrument construction. We piloted the evaluation with 5 brain-injured participants on accompanied bus trips. Participants found the app helpful. The protocol was successful, but showed that the app required further development.

2. Broken promises and sex

Shabrazad Jamali, Peter Graf, Michelle Crease, & Christopher Lee

To investigate the influence of sex on the interpretation of trifling versus important promises that were not kept, undergraduate students read vignettes, each describing a promise broken by the man versus woman from a romantic pair. Participants scored each promise on a number of attribution scales (e.g. the protagonist is unreliable). The results showed similarities and differences between male & female protagonists, and between male & female participants.

3. Psychology telemetry from video game data

Scott Harrison, Mark R. Blair, Andrew J. Henry, Bill Chen, & Joseph J. Thompson

Data relevant to many fields of psychology can be extracted from the video game starcraft2. In our expertise study we isolated the important cognitive variables associated with expertise and we showed how these variables begin declining at 24. I will discuss our longitudinal studies involving 100000s of games from many players.

4. A novel training regimen for studying visual expertise acquisition
Verena Willenbockel, Alette Lochy, Renaud Laguesse, Adam R. Dryden, Bruno Rossion, & Quoc C. Vuong

The mechanisms underlying visual expertise and their relation to mechanisms mediating face perception are not yet fully understood. To investigate this, we developed a controlled set of novel objects and an extended expertise training regimen. Using both behavioural and EEG (steady-state) measures, we compared observers' performance pre- vs. post-training to shed light on the mechanisms of expertise. We are currently using this paradigm with neurotypical observers and individuals with prosopagnosia.

5. Look who's talking: Effect of knowledge and talking on social gaze
Simon Ho, Tom Foulsham, & Alan Kingstone

We look toward people for a variety of reasons, e.g., they are attractive, prestigious, possess unique knowledge, or are talking. In the present study we teased apart the roles of knowledge and talking. We eye tracked dyads while they interacted, and the talker either did or did not possess unique knowledge. Our results indicate that gaze acts independently of knowledge, and is guided by who is talking.

6. Developmental continuity between early social-cognitive abilities and later theory of mind
Emanuela Yeung, Ulrich Müller, & Jeremy I. M. Carpendale

The present study examined the longitudinal relation between visual perspective-taking, comprehension of pretense, early language ability, and later ToM. Results showed that perspective-taking and comprehension of pretense at age 2 significantly predicted ToM at age 4. This suggests that pretense and perspective-taking may be important precursors to ToM development, and confirms previous suggestions regarding the developmental continuity between early social-cognitive abilities and later ToM.

7. "Mind reading" by face and voice: An examination of the effects of ageing on the comprehension of emotion
Karisa Teindl & Lesley J. Jessiman

The present study examined how older and younger adults differ in their ability to comprehend emotion. Participants completed a battery of neuropsychological assessments, including the Tower of Hanoi, Geriatric Depression Scale, digit-span test, Social Inference-Minimal test, and Mini-mental State Examination, before attending to emotional stimuli conveyed by The Awareness of Social Inference Task and Comprehensive Affect Testing System. Older adults were significantly worse than younger adults at recognizing negative emotions.

8. Are erroneous cognitions key in the development of problem gambling?
Carrie A. Leonard, Robert J. Williams, Robert Hann

The cognitive model of problem gambling (PG) suggests that gambling fallacy (GF) susceptibility is key in the development and maintenance of PG. The current study (n = 4121) evaluated the relationship between gambling fallacy susceptibility and actual gambling engagement measures: gambling expenditures (time and money), and number of gambling formats engaged in. It was found that GF are statistically - but not

practically - significant in association with PG.

9. Poker skill: do professionals know what they're talking about?

Cassandra J. Jackson, Carrie A. Leonard

Empirical evidence suggests that poker skill is a multifaceted construct. Novice players often seek game improvement advice from the professionals via professional poker player and/or non-professional/non-player authored mediums. We examined whether these authors are cognizant of, and accurate in, the traits they assert comprise poker skill. In the current archival research study, we found significant differences between author type and few similarities between author assertions and empirical evidence.

10. Strategy choice in a new dual-strategy virtual Morris Water Maze (MWM) depends on environment features, instructions, and gender

Thomas Ferguson, Dustin van Gerven, & Ronald Skelton

Participants (20/30 male/female) were probed for navigation by cue or landscape after each of 10 trials in a virtual MWM containing intra-maze cues and a clear or fogged view of distal landscape. Some received 2 additional instructions about opportunities for exploratory movement. The fog and instructions together reduced navigation by landscape, and more for females than males (Males ~85%-->60%, Females ~75%-->20%). Changes in landscape or instructions alone produced intermediate reductions.

11. Low-level stress strongly affects navigational strategy choice in a dual-strategy virtual Morris water maze in both men & women

Thomas van Heyningen, Dustin van Gerven, Thomas Ferguson, & Ronald Skelton

Using a dual-strategy virtual Morris water maze, we measured navigational strategy in a low-stress condition (after 3 cognitive tests) or in a no-stress condition (after 10 min of relaxation). In the low-stress condition, both males and females chose allocentric navigation about 70% of the time. However, in the no-stress condition, 100% of the males chose allocentric and 100% of the females chose egocentric navigation. Clearly, stress affects navigational strategy choice.

12. Acute stress affects navigational strategy choice in a dual-strategy virtual Morris water maze only in women

Dustin van Gerven & Ronald Skelton

Three previous studies on stress and landscape-based navigation had conflicting results but none examined strategy choice. We tested 64 undergraduates (gender balanced) for navigation by cue or landscape after each of 10 trials in a dual-strategy virtual MWM. Half of each gender were given a stressful math/attention test (the PASAT). The stressor shifted preference to landscape-based navigation in women (27%-->61%) but had no effect in men (48%-->46%).

13. A way with words: Straight or crooked? Fluency of processing in a lexical decision-making task?

Natasha Pestonji, Ashvini Sunthoram, Francine de los Reyes, & Peter Graf

Perception of everyday objects is difficult when objects are partially obscured. We examined the relationship

between speed/accuracy and amount of an object available for perception. We required students to make fast word/non-word decisions about letter strings (words/pseudo-words) displayed on a computer. Each was partially obscured with a crosshatched mask varying in density. Results showed a linear increase in time required for lexical decision-making with a linear increase in mask density.

14. Decisions, decisions... Individual differences in decision-making under prospect theory

Claire McCormick & Adam Krawitz

Kahneman and Tversky's Prospect Theory is the most prominent theory of decision-making under risk. The present study employs Prospect Theory to investigate individual differences in decision-making styles. To assess the consistency of these decision-making styles we compare patterns of decision-making across two different tasks. Finally, a model is fit to the data and assessed for fit as well as its ability to predict decision-making behaviour across tasks.

15. Neural correlates of intuitive prosocial decision-making: An ERP investigation

Ryan W. Carlson, Mario Liotti, & Lara B. Ankin

We investigated neural markers (ERPs, event-related potentials) of empathic prosocial decision-making in an intuitive scenario. Twenty-four undergraduates given \$20 were asked to accept or reject donation offers either quickly (<5s) or slowly (>5s) towards charities they had previously labelled as high or low empathy targets. Findings suggest larger P300 amplitude over the centro-parietal regions may a) signal empathic motivation in intuitive situations, and b) predict subsequent engagement in prosocial behavior.

16. I'd like to see less of you: Subjective evaluation and visual information

Lauren Krowicki & Javid Sadir

High-level processes involving subjective evaluation, preference, decision-making, and aesthetics can be strongly influenced, consciously and not, by low-level factors, including objective features that influence the processing "fluency" of the stimuli under consideration. Relating specific stimulus dimensions with their strength -- and direction -- of influence is not trivial, however, and here we report a surprising link between reduced (not enhanced) stimulus quality/information and increased subjective preference.

17. Children's and adults' interpretation of brand labels

Tina S.-T. Huang & Geoffrey Hall

The present study examined how older and younger adults differ in their ability to comprehend emotion. Participants completed a battery of neuropsychological assessments, including the Tower of Hanoi, Geriatric Depression Scale, digit-span test, Social Inference-Minimal test, and Mini-mental State Examination, before attending to emotional stimuli conveyed by The Awareness of Social Inference Task and Comprehensive Affect Testing System. Older adults were significantly worse than younger adults at recognizing negative emotions.

18. Disposal bin positioning and colouring influences recycling behaviour
Peter Lenkic, Vanessa Wong, David Wu, Alessandra DiGiacomo, & Alan Kingstone

Sustainable behaviour is an increasingly important issue in society. We investigated how the positioning and colouring of recycling bins influences waste disposal. Using a touchscreen reaching task, we found that fixed compared to random bin positioning had a large effect on both speed and accuracy (i.e., putting the waste item in the correct bin), and that predictable colouring helps, particularly with established colour pairings (e.g., green for compost bins).

19. Costs due to action-feature overlap between action plans are influenced by working memory span
Alexandra Stubblefield, Lisa R. Fournier, & Lawrence P. Behmer, Jr.

An action can be delayed if it partly overlaps with another maintained in WM (overlap cost). We examined whether the degree of overlap costs are dependent on WM span. Two visual events (A and B) occurred sequentially. Participants planned and maintained an action in WM to A while executing an action to B. Afterwards, participants executed an action to A. All participants showed overlap costs, and costs were greater for low-WM span participants.

20. Social cognition is impaired in alcoholics, a meta-analysis.
Kimia Nassebi, Daniel M. Bernstein, & Alan E. Thornton

This meta-analysis compared recovering alcoholics with healthy adults on two tests of social cognition: emotional facial expression recognition (EFER) and reading the mind in the eyes test (RMET). Alcoholism was associated with moderate impairments on both tests ($d=-0.57$ C.I. $=-0.72$ to -0.42). In EFER studies, recognition of happiness was less impaired than recognition of sadness. Anxiety had a positive effect while depression had a negative effect on social cognition.

Travel Directions

Ferries to Victoria, BC

From Vancouver, the ferry from Tsawwassen Ferry Terminal to Swartz Bay takes 1 hr 35 minutes, plus 15 minutes offloading time. Departures are generally every two hours but for additional departure times during May 15-17 check the “Metro Vancouver-Vancouver Island-Sunshine Coast” schedule at www.bcferries.com.

From Seattle, the Victoria Clipper takes you directly into the inner harbour of downtown Victoria. There are only two departure times per day and sailing time is 2 hr 45 minutes. For fare and schedule information check www.clippervacations.com/schedules-fares.

From Port Angeles, the Black Ball ferry line also docks at the inner harbour of downtown Victoria. Sailing time is 1 hr 30 minutes but departure times are infrequent so check www.cohoferry.com/Schedule.

Driving to UVic

From Swartz Bay Ferry Terminal (30-40 minutes)

When you exit the ferry terminal, you will be directed to Patricia Bay Highway 17 south. After 20-25 minutes, take exit 7 and turn left onto McKenzie Avenue. Continue for 7km to the UVic campus and turn right onto McGill Road.

From Victoria International Airport (25-35 minutes)

Leaving the airport, follow the signs for Victoria that will direct you onto Patricia Bay Highway 17 south. (Be alert as you leave the airport as you will encounter some new roundabouts.) Follow the Pat Bay Highway for approximately 20 minutes and take exit 7. Turn left onto McKenzie Avenue, continue for 7km to the UVic campus and turn right onto McGill Road.

From Downtown Victoria (15-20 minutes)

There are two recommended routes: (1) Turn onto Fort St. and then turning left at Foul Bay Rd. or (2) At the north side of downtown, turn onto Hillside Ave. and turning left at Foul Bay Rd (just after Camosun College). In both cases, Foul Bay Rd. will lead you directly into the UVic campus (or for a more scenic drive, give yourself 40 minutes and drive south down Douglas Rd. until Dallas Rd., turn left and follow Dallas Rd., which turns into Beach Dr., and finally turn left at Sinclair Rd. to the UVic campus.)

YYJ Airport Shuttle

Offers service from Victoria Int'l Airport to various city locations. Shuttles leave the airport every half hour between 4 a.m. and midnight, 7 days a week (see www.yyjairportshuttle.com).

Travel Directions (continued)

Public Transit

Bus fare is \$2.50 (for all distances) and a dayPASS can be purchased for \$5.00 (e.g., from 7-Elevens) for unlimited travel for selected day. Current schedules and route maps are available at www.bctransit.com/regions/vic. <http://www.translink.bc.ca/>

From Victoria Int'l Airport and Swartz Bay Ferry Terminal (60-70 minutes)

Public transit is inconvenient from the airport to downtown Victoria and is not recommended. Public transit is timed with the arrival of ferries at Swartz Bay, and a bus stop is just outside the ferry terminal front doors. The two bus routes between Swartz Bay and downtown are **#70X** and **#72**, with **#70X** being 10-15 minutes faster.

Between Downtown Victoria and UVic (15-25 minutes)

#4 bus

Daily, from UVic bus loop to downtown every ten minutes or so, via Hillside Rd. Does not stop as close to downtown as routes below.

#7 bus

Daily from UVic to downtown via Fairfield Rd (passes near Cook Street Village), every 20-30 minutes and taking slightly longer than other routes.

#14 bus

Daily, UVic bus loop to downtown via Fort/Yates St. Slightly less often than #4.

#15x bus

Daily express between UVic (stops at SUB, not bus loop) and downtown. Same route as #14 but fewer stops.

Parking on Campus

There are many parking lots available on campus for visitors. Parking permits are purchased from dispensers located in all parking lots, with the following costs (excluding UVic Centre parkade): Weekdays are \$7.50 (daily) and \$1.25 (hourly); weekdays from 6pm to 11:59pm is \$2.50 in total; on Saturday it is \$2.50 for the whole day. The parking lot closest to where the conference will be held (Bob Wright Centre) is **Lot 1**, which is near the Cedar Hill Cross Rd. UVic (i.e., south) entrance.

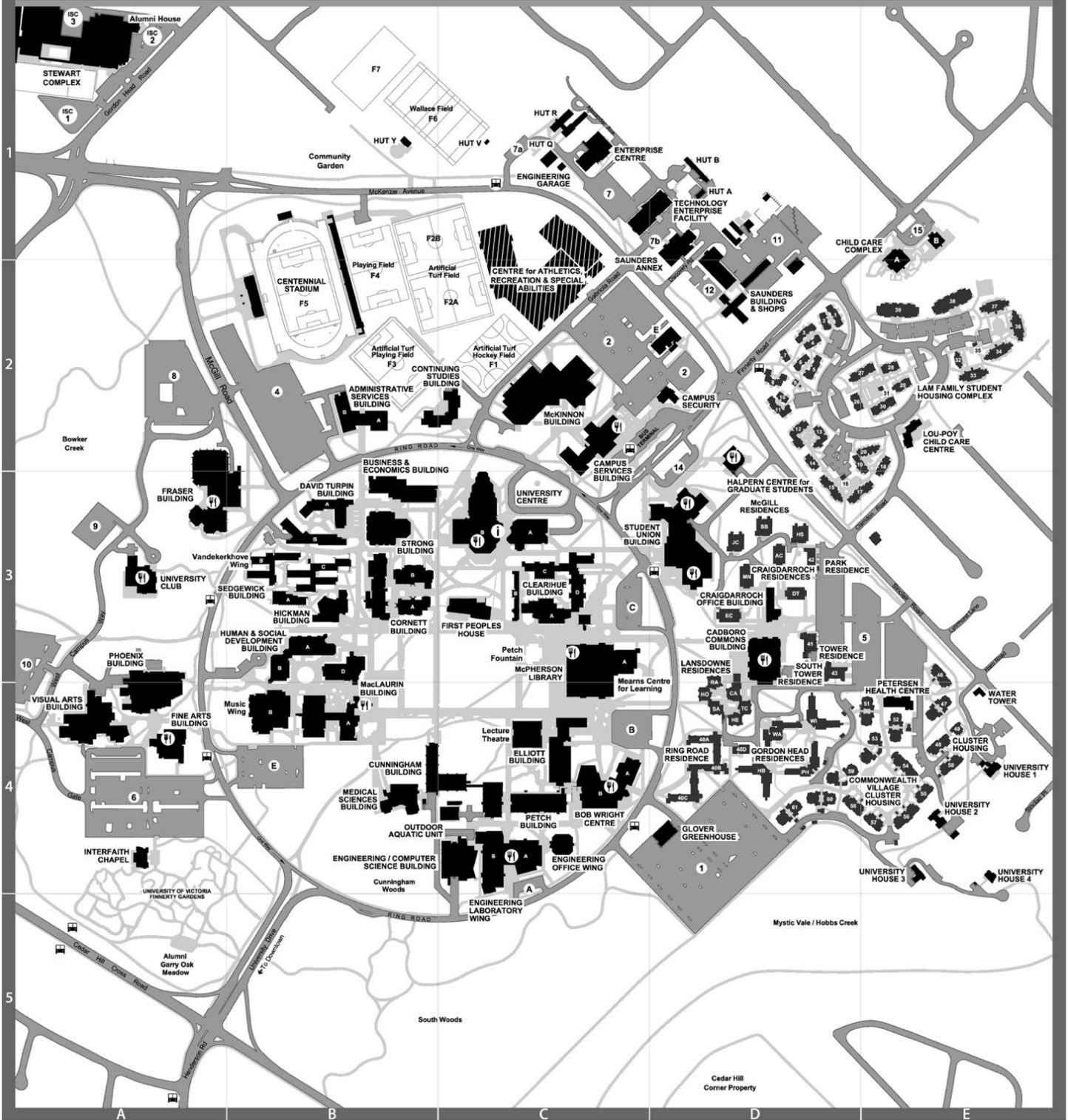
Parking for UBC and SFU Attendees

Due to a reciprocity agreement, all UBC and SFU (sorry Washington!) staff and faculty members that display a valid annual parking permit may park free of charge in all general and reserved parking lots, excluding the UVic Centre parkade, parking meters, and student resident parking.

Campus Food Services

*Note: Location of each food service is designated by the letter/number corresponding to the campus map shown on the next page.

	Hours of operation
BiblioCafe (McPherson Library, C3-4)	M-T: 8am-10pm Friday: 8am-6pm Saturday: 10am-6pm Sunday: 8am - 3pm
Finnerty Express Cafe (below the bookstore, C2)	M-F: 7:30am-5pm Saturday: 11am-5pm
Felicitas Campus Pub (D3)	M-F: 11:30am-1am Saturday: 4pm-1am
UVic Grad House Restaurant (D2-3)	M-T: 11:30am-2:30pm W-F: 11:30am-7pm
Village Greens (Commons Building, D3)	M-T: 11:30am-2:30pm & 4:30pm-8pm Friday: 11:30am-3:30pm Sunday: 4:30-8pm
Upper Commons (Commons Building, D3)	M-Sunday: 7:30 am-7pm
Student Union Building (cafeteria housing various food choices, D3)	
Munchie Bar (coffee, local baked goods, gluten-free choices)	M-F: 8am-9pm Saturday & Sunday: 6pm-9 pm
Bean There (coffee, breakfast sandwiches, wraps, baked goods)	M-F: 6:30am-8pm Saturday: 8am-7pm
Health Food Bar (smoothies, fresh juices, wraps, sandwiches)	M-F: 10am-4pm
International Grill	M-F: 10:30am-4pm



Important Locations

Bob Wright Centre (C4, main conference venue), Bus Loop (D2-3), UVic Student Union Building (D3), Parking Lot1 (D4)

*Steve Lindsay's Victoria Restaurant, Beer, and Jazz Guide &
UVic Grad Students' Nightlife Recommendations*

Victoria is a hotbed of good restaurants (the yellow pages dedicate more than a hundred pages to restaurants). Listed below are a few idiosyncratic suggestions that I hope you will find helpful. I've given a rough guesstimate of how much a mildly gluttonous/bibulous person might expect to spend including tax but not tip (15 - 20% unless service was poor). You will probably need a reservation at all of the places listed under AFine@ or APretty Fine@ dining, but it's worth calling them if it gets to be the last minute and you don't have a reservation. Vegetarians (and especially vegans) may be disappointed by my choices. Unless otherwise noted, the restaurants listed below are within +/- 15 minutes brisk walking distance of the heart of downtown. The #4 bus from UVic (near the book store) will get you downtown in 25 minutes for \$2; schedules are posted at the bus stop. A cab costs about \$12 plus tip: Bluebird 382-4235; Empress 381-2222.

FINE DINING (\$50-75)

Café Brio, 944 Fort St. (between Quadra and Vancouver Sts.), 250-383-0009

Far and away my favourite. The cooking is west-coast-inflected Italian with a strong emphasis on locally harvested produce, meats, and seafood. The dishes are creative but not pretentious and, most important, they are truly delicious. The room is visually attractive and the atmosphere warm and energetic. Co-owning couple Greg and Sylvia are extraordinarily welcoming, and the wait staff are friendly pros. If all the tables are booked, see if there's space at the bar.

Brasserie L'Ecole, 1715 Government (near Fisgard St.), 250-475-6260

Probably my second favourite. Chef Sean Brenner was the chef at Brio when it first opened, and left after a few years to open the Brasserie. It's small and really looks the part of a French bistro. The frites are very good, not the best I've ever had, but up there. The greatest strength of this place is the excellent wine list and the policy that any wine on the list can be purchased by the glass for 1/5th of their bottle price if the party buys at least two glasses (and any bottle they've already opened for another by-the-glass customer can be bought by the single glass). Of course, their mark-up on the bottle is non-trivial, but nonetheless this lets a person try special and interesting wines that are rarely available. The cheese selection is also particularly good. They do NOT take reservations.

Ulla, 509 Fisgard Street, 250-590-8795

My vote for best recently opened restaurant in Victoria. The place is small, with a light, clean, simple design. The menu is small but creative and fun. They are sourcing high-quality local ingredients and cooking them in interesting ways (especially if you like sous vide). They also have an unusual wine list, again small but clever. With luck you'll get Lisa as your waitress.

Stage, 1307 Gladstone Ave., (NOT downtown, but walkable [30 minutes at a brisk pace]) 250-388-4222

I love this place. They do very clever small tapas-like plates and offer about 10 wines by the glass, with the option of a full or a half pour. Very creative food, fun atmosphere, casual but skilled. George and Linda Szasz are long-time restaurateurs. Best restaurant espresso in town.

Camille's Fine Westcoast Dining, 45 Bastion Square, 250-381-3433

Terrific wine list; quite good food (sometimes a touch fussy in presentation). The atmosphere can feel just a bit subterranean as the place is a half-floor below ground level, but nonetheless it's a very solid restaurant.

Matisse, 512 Yates St., 250-480-0883

Good French food in a small, personal-feeling dining room. Elegantly set tables and excellent service. Great wine list (and lovely offerings of other sorts of drinks, such as cognacs). Pricey, and in my limited experience the side dishes don't always completely succeed, but this is a lovely spot for a couple or small group.

Bistro 28, 2583 Cadboro Bay Road (NOT downtown), 250-598-2828

Tiny place. I've so far only tried lunch, but I was impressed and had a look at the dinner menu and am keen to try it. It may be that this place really belongs in the "Pretty Fine Dining" category...but I've stuck it here for now.

PRETTY FINE DINING (\$35-55)

Il Terrazzo Ristorante, 555 Johnson St., (near Wharf St.) 250-361-0028

This is a very nice, informal place, with appealing decor, pleasant service, good food, and an OK wine list. Especially nice if you can sit outside in the courtyard (and if you happen to find yourself downtown at lunch time this would be a good choice). Inside tends to get noisy on a Friday or Saturday, and the dishes are not wildly unusual or adventurous. But good.

Zambri's 820 Yates St. (between Quadra and Blanshard, in the Atrium Building.), 250-360-1171

Seriously delicious pasta dishes, terrific soups, authentic pizza, in a new downtown location. I especially enjoy Zambri's for lunch. If you're an omnivore you can just order the daily special pasta dish without even bothering to ask what it is. And even for dinner this is probably my favourite in this category.

The Tapa Bar, 620 Trounce Alley (between Government and Broad Sts. by View St.), 250-383-0013

This isn't really a tapa bar of the sort found in Spain; compared to a real tapa bar, the dishes are bigger, pricier, and slower to arrive. But the location is quaintly attractive, the place is nicely decorated, they offer a variety of tasty dishes at reasonable prices (e.g., prawns sizzled in white wine & chipotle peppers, \$10.50), and they have some decent wines.

Superior Café, 106 Superior St. (the bottom of Superior St, near the water), 250-380-9515

A very fun, even funky place. Located in an old church, with quirky/artsy/interesting decor (e.g., every glass-topped table has a novel artscape below) and an equally quirky and eclectic menu of small, interesting dishes, great for sharing. Limited wine/beer list. Live music (neither staid nor loud). Highly recommended for those looking for something different that won't break the bank.

Heron Rock Bistro, 435 Simcoe St. #4 (between Menzies and Croft Sts., 250-383-1545

This place has only been opened a year or so, and I've only been once. Don't be put off by the location (beside a supermarket in the James Bay residential neighbourhood, a bit of a walk from down). Every night of the week they feature a different 3-course meal for \$15!

Pagliacci's, 1011 Broad St. (between Broughton and Fort Sts.), 250-386-1662

A Victoria standard for decades, Pag's (as locals call it) offers a little slice of the Big Apple with a dollop of nostalgia. Casual/funky/fun, tables packed together, lots of pasta dishes. On the border between 'pretty fine' and 'casual' dining.

CASUAL DINING (\$20-35)

Pink Bicycle, 1008 Blanshard, 250-384-1008

Redefines the burger. Never had a burger in a restaurant anywhere near this good. The mutton burger is a revelation. The truffled frites are to die for.

Pizzeria Prima Strada, (NOT downtown, but walkable, from downtown) 230 Cook Street 250-590-8595 or 2960 Bridge Street (250) 590-4380

VERY good Neapolitan pizza. Perfect thin crust, top-quality ingredients, perfectly cooked in a wood-fired brick oven.

Da Tandoor, 1010 Fort St. (between Vancouver and Cook), 250-384-6333

Pretty darned good Indian food. The butter chicken is a particular favourite. The place could use a really thorough cleaning, but I don't know of a better Indian restaurant downtown.

Siam Thai, 512 Fort St. (between Government and Wharf Sts.), 250-383-9911

Might be Victoria's oldest Thai place. Consistently good.

JJ Wonton Noodle House, 1012 Fort St. (between Vancouver and Cook), 250-383-0680

Very well done Chinese dishes of the sort familiar around here, and occasional surprises such as terrific lamb dishes.

The Noodle Box, 626 Fisgard or 818 Douglas St.

More of a take-out place, but they have a couple of tables. Very tasty for what it is, and very cheap. Not the sort of place one needs to telephone in advance. Loud and energetic.

Foo Asian Street Food, 769 Yates St. (corner of Yates & Blanshard Sts.), 250-383-3111

Like the Noodle Box, but with slightly better foo.

Sook Jai Thai, 839 Fort St. (between Blanshard and Quadra Sts.), 250-383-9945

I haven't been to this restaurant for a while, but previously enjoyed it.

Rebar Modern Food, 50 Bastion Square, 250-361-9223

Rebar has been 'serving up the freshest, funkiest and healthiest food on the West Coast' since 1989. The fare is mostly vegetarian but includes fish/seafood dishes. They also offer a bewildering array of freshly made juices (e.g., the Liver Quiver is a bracing blend of grapefruit, lemon, olive oil, cayenne, and garlic). The co-owners here have published a darned good cook book that makes a very nice gift. Reservations recommended. I heard recently that it's declined a bit.

The Mint, 1414 Douglas Street, 250-386-6468

Very hip. Lots of tasty treats such as chorizo naan pizza, Tibetan dumplings, and lamb curry.

5th Street Bar and Woodfire Grill, 1028 Hillside (NOT downtown), 250-380-4600

This is a casual neighbourhood pub near the corner of Quadra and Hillside (25 minute walk from downtown). Nothing fancy, but definitely a full notch above standard pub fare, and the value is terrific. Their pizzas are thin-crust and tasty, the bison burger bounteous. Staff are friendly, and they keep their beer lines clean (and offer three locally made craft beers as well as the usuals). The location is not ideal, being between UVic and downtown with not much else nearby. Reservations recommended.

John's Place Restaurant, 723 Pandora, 389-0711

As close to a diner as you'll find in Victoria. My experience here is limited to breakfast, which they do quite well.

WITHIN WALKING DISTANCE OF UVIC

UVic is in a noncommercial area, so there's nothing right at hand except for UVic facilities. Felicita's, the undergrad pub in the Student Union Building, was recently redecorated and seems to be under new management and doing as well as one might expect an undergrad pub to do. The IQ Bistro in the Graduate Students' Centre has some reasonably tasty things on the menu and a quite pleasant space.

Near campus, one option is to walk south east down Sinclair Rd to Cadboro Bay Rd. and turn right (where you will find an excellent supermarket called Peppers, a small restaurant called Olive Olio's, another larger restaurant called Martin's Place, and a pub/store called Smuggler's Cove.

The other option is to walk north west (down Cedar Hill or Sinclair-which-becomes-McKenzie or on the smaller neighbourhood streets that run between them) to Shelbourne St.. There you'll find a variety of places to eat and shop (including a BC Liquor Store). Maude Hunters' Pub is pretty decent. Lin Heung offers perfectly acceptable Chinese food. The Little Thai Place is also nice.

Beer in Victoria

Victoria is awash in excellent beer. In addition to the brew pubs (serving beer brewed on the premises) listed below, many local bars have a good range of beers on tap, often including the exceptionally brews made in small batches by Lighthouse and/or by Phillips Brewing

Spinnakers, 308 Catherine St., 250-386-2739

Spinnakers was one of Canada's first brew pubs (i.e., a pub selling beer brewed on the premises), and it must surely remain one of the very best, especially in terms of traditional English ales (e.g., their ESB is superb, if you like a good bitter). The place is right on the water and tables by the windows (or on the upper-level deck) have great views. A hungry person can also eat here, but I wouldn't particularly recommend it as a dining destination. It's a bit of a walk from the heart of downtown.

Swans, 506 Pandora Ave., 250-361-3310

Swans is in a beautifully restored downtown building that was originally a chandler's. The place is packed with local art, with a strong emphasis on First Nations art. The beer is, IMHO, a whisker less good than Spinnakers, but still very good. They have live music most nights of the week. The pub fare is pretty standard, but the restaurant affiliated with Swans is pretty good.

Canoe Club, 450 Swift St., 250-361-1940

This is a nicely re-done warehouse space on the gorge waterway near downtown. The beer's not as good as that at Spinnakers or Swans, but it's still quite good, and they also serve above-average-for-a-pub food in the casual (bar) side of the place; the restaurant side is OK, but in terms of dining you'd do better at most of the places listed above.

Irish Times, 1200 Government St., 250-380-7775

Not a brew pub, but they have quite a range of beers on tap, and the decor evokes the upper end of the spectrum of Irish pubs. The pints are pricey, but it's a fun spot and the music is often good. If for some reason you're here Sunday night, the Irish music jam led by local phenom Daniel Lapp is well worth taking in.

Jazz in Victoria

There's only one real jazz spot in Victoria, and that's Hermann's Jazz Club at 753 View Street. Funky/kitschy decor, terrific jazz.

Grad Students' Recommendations for Nightlife in Victoria

Close-ish to the University

Maude Hunters, 3810 Shelbourne St., 250-721-2337

It has been 19 years since Maude Hunters opened its doors as one of the city's first neighbourhood pubs. Maude's is a relaxing pub with a patio and the NHL package.

The Penny Farthing, 2228 Oak Bay Ave. (several miles from campus), 250-370-9008

Classic English pub in a nice neighborhood.

The Fernwood Inn, 1302 Gladstone Ave. (corner of Gladstone & Fernwood Rd.), 250-412-2001

Another vaguely English pub, decent food/drinks. Cute neighborhood, ogle at hippies.

Christie's Carriage House, 739 Fort St. at Richmond Rd., 250-598-5333

Set in a restored heritage home on the Victoria-Oak Bay border (not practical walking distance from the heart of downtown), another classic English-style pub. Good for a large group of people.

Downtown:

Spinnakers Brewpub, 308 Catherine St., 250-386-2739

Spinnakers is Victoria's oldest brewpub and features an extensive beer selection. The pub-style menu is highlighted by fresh, local ingredients and free-range meats and poultry. Nice patio on the water, over in Vic West and a further walk than you might think.

Darcy's Pub, 1127 Wharf Street, 250-380-1322

Darcy's Pub is located at the foot of Bastion Square by Victoria's harbour waterfront. This traditionally styled pub offers pool tables and VERY LOUD live music on weekends. During the summer guests can enjoy a beautiful day looking out at the water from the patio. Long lineups weekend nights.

Irish Times or Bard & Banker, Government St.

Two downtown pubs in the heart of the touristy area. Live music most nights. Can have a short lineup on Friday or Saturday nights, especially later on in the evening.

Garricks Head Pub, 1140 Government St., 250-384-6835

Grand brick-and-wood pub has the best beer selection in town, over 50 taps. It's big, and popular and noisy at weekends, but quite a bit more sedate at breakfast and lunchtimes.

Glo Europub and Grill, 104-2940 Jutland Road, 250-385-5643

Excellent West Coast cuisine, more than 100 wines and an extensive selection of imported and domestic beers, live music and DJ's, a heated patio and a gorgeous view along the Selkirk Waterway (not practical walking distance from the heart of downtown).

The Mint, 1414 Douglas St., 250-386-6468

The Mint is a funky, relaxed lounge & restaurant serving up Tibetan and Nepalese cuisine. Live music 6 nights a week and an extensive menu of fancy cocktails, wine and beer.

Little Jumbo, 506 Fort St; Veneto Tapa Lounge, 1450 Douglas St; Clive's Lounge, 740 Burdett Ave

All great places if you feel like splurging on a fancy cocktail. LJ and Veneto have pretty good food, as well. Don't be turned off that many of these are hotel bars, doesn't really matter in Victoria.

Big Bad John's, 919 Douglas St (within Strathcona Hotel)

BBJ's is a tiny place they've retrofitted into a dive bar inside the Strathcona Hotel. Peanuts on the table/floor, country music on, bra's hanging on the walls. Cheapest, least flavorful beer in town if that's your thing.

Dance Bars:

The Upstairs Cabaret, # 15 Bastion Sq., 250-385-LIVE

Touch Lounge, 751 View St, 250-384-2582

Paparazzi (Gay & Transgender Club), 642 Johnson St

Just outside downtown:

Moon Under Water Brewpub, 350 Bay St., 250-380-0706

Most recently revamped brewpub in town, Clay's German training and Victoria roots have led to an excellent selection of expertly-crafted beers. Try the awesomely hoppy pilsner. Best nachos in town. Worth the slightly harrowing trip up to Bay St. from downtown, right off the #14 bus route.

The Bent Mast, 512 Simcoe St., 250-383-6000

Really comfy pub in James Bay, walkable from downtown.

Student food suggestions:

Pig BBQ

Red Fish Blue Fish

Pho Vy

Coffee is a big deal in Victoria. Some recommendations:

Fernwood Coffee Co.

PiCNiC

Habit Coffee

Dolce Vita

Tre Fantastico

Union Pacific Coffee Co.

Brunch is also huge here (anticipate lineups on weekends):

Jam Café

Mo:lé

Blue Fox Café

Shine Cafe

Most other restaurants will have brunch offerings

Late night eats:

West Coast Waffles

The Brickyard (pizza)

The Joint (also pizza)

La Fogata Latina

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Notes

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Now for the test! Can you find the NOWCAMpers in this picture?

