

# ARC 2012

Ambrose Research Conference

March 26, 2012

AMBROSE





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# schedule

## **Session One**

8:30 - 9:30

### **Panel**

Panel 1 - New Research in the Behavioural Sciences

### **Room**

A2133

Panel 2 - New Research in Theology

A2131

Panel 3 - New Research in History

A2212

9:30 - 9:45

Coffee Break (refreshments provided in the Fish)

## **Session Two**

9:45 - 10:45

Panel 4 - New Research in Biology

A2212

Panel 5 - Behavioural Science Alumni Research

A2133

Panel 6 - Christianity and Literature: New Research

A2100

Panel 7 - New Research in Theology and Biblical Studies

A2131

10:45 - 11:00

Coffee Break (refreshments provided in the Fish)

## **Session Three**

11:00 - 12:00

Panel 8 - Science: Independent Research Projects

A2133

Panel 9 - New Research in Christian Studies

A2141

Panel 10 - Christianity and Literature: Creative Writing Panel

A2141

Panel 11 - Theme and Variations:

A Process for Composing with Purpose

A2100

## **Plenary Session**

12:05 - 12:55

Panel 12 - Modelling Interdisciplinary Research: Sociological and Theological Considerations of Sacred Space

A2133

## **Poster Session**

All morning

New Research in Behavioural and Natural Science  
Upper Atrium (near classrooms 2131 and 2133)

# program

## Panel 1

### New Research in the Behavioural Sciences

## Session One

Chair: Joel Thiessen,  
PhD, Assistant  
Professor of Sociology

### What Chromatic Adaption Tells Us about Simultaneous Color Contrast and Color Induction

Alan Ho, PhD, Assistant  
Professor of Psychology

Time: 8:30 – 9:30

Room: A2212

The possible mechanisms underlying simultaneous color contrast and color induction are examined psychophysically. Observers viewed two achromatic colors (white and black) separated medially by an hour-glass shaped chromatic stimulus (e.g., green) on a computer screen in a 60sec adaptation and test period. A white test screen was presented intermittently and randomly during the 60sec period where observers report their subjective color perception at those moments. As expected on the test screen, observers consistently reported seeing the complimentary (magenta) color afterimage of the chromatic stimulus. A positive color afterimage of the adapting chromatic stimulus (green) was reported in the white area along with an unexpected afterimage color (yellowish) in the black area by most observers. The complimentary color afterimage of a chromatic stimulus had been attributed in previous studies to opponent color processing present on the retina. The induced color is consistent with tonic mutual inhibition activities present within a color channel. However, the process underlying the generation of an unexpected color afterimage in the black area from our adapting stimulus remains to be uncovered.

### Food Waste: A Study of University Students' Perceptions and Behaviours Regarding Food Waste

David Olson, BA  
Behavioural Science  
student

Time: 8:30 – 9:30

Room: A2133

Research suggests that approximately \$27 billion worth of food is disposed in Canada in a single year, however very little is known about the relationship between people's attitudes regarding food waste relative to their food waste behaviours. Drawing on a semi-structured interview, a focus group, a content analysis of a university student food waste lobbyist group, and an ethnography, I explore university students' perceptions and behaviours regarding food waste. Namely, what role do ready-made meals play in food waste, and what role do prepared meals play in food waste? From the data collected, there was a general, though not unanimous, consensus that food waste should be viewed in a negative light. The most important variable in determining the current student perceptions of food was the parental values promoted in their childhood household. Another important variable of food waste perception was the discrepancy between how ready-made meals and prepared meals were valued. Still, perceptions regarding food waste did not significantly impact food waste behavior. Instead, the three main factors that influence university students' food waste behavior (in this sample) include money, time, and social influences.

# program

## Panel 1

## Session One

### **Shock Poverty:** Public Policy and Poverty

*Laura Fietje, BA  
Behavioural Science  
student*

*Time: 8:30 – 9:30*

*Room: A2133*

My paper addresses the question: “If Ambrose University were to take the lead on solving poverty in Canada, what would that look like?” This “shock poverty” action research project involves the development of a 12-month diploma program for the Ambrose Seminary called “Public Policy and Poverty.” I will outline how Christian churches could use effective policy, planning, and prevention to ameliorate the effects of poverty and homelessness in their communities.

## Panel 2

### *New Research in Theology*

*Chair: Bill McAlpine,  
PhD, Associate  
Professor of Practical  
Theology*

### **Augustine’s Theodicy ... And Its Limitations**

*Jeff Pasche, BTh  
student*

*Time: 8:30 – 9:30*

*Room: A2131*

Many are perplexed at the problem of evil because it has seldom, if ever, been described with absolute coherence. The Augustinian approach is no different. This essay attempts to show how our common understanding of evil as a greater-good type theodicy fails as one that can be used for all time in all circumstances. In consideration of gratuitous evil and addictive behavior, we have shown how the Augustinian tradition/theodicy is insufficient. By way of method, we have surveyed a number of Augustine’s writings written on the topic of moral evil and shown how they inter-relate to this unfortunate area of hard-core substance abuse in twenty-first-century North America.

### **“Let your holiness shine before men”: Holiness as a Strategy for Evangelism**

*Robb Penner, MA  
Christian Studies  
student*

*Time: 8:30 – 9:30*

*Room: A2131*

Performing Christian holiness in the secret place is a virtue not only exhorted in Scripture but highly valued in the Canadian church. But have we gone too far? The question this paper seeks to answer is, where are the Christian “holy men and women” in Canada who live in such a way that they pique the interest of the lost with the truth of Christ? By examining key biblical texts and relevant missiology, I suggest there is a great need for leaders within the Canadian church to learn how to embody *and* display the gospel in such a way as to openly invite others to follow their example as they follow Christ.

# program

Panel 2

## Session One

**A Theological Challenge to Second-Generation North American Ethnic Asian Churches:** Towards a New Ecclesiology

*Thich Truong, MDiv student*

*Time: 8:30 – 9:30*

*Room: A2131*

The Second-Generation Asian Church in North America is facing the question of its role as an ethnic church in an increasingly multicultural society. Comprised of English-speaking Asians who are culturally North American but ethnically Asian, these Christians must consider their role and contribution in the larger North American Church. By reflecting upon its history and structure in contrast to ecclesiology and theology, the Second-Generation Church would gain a new appreciation for catholicity with other Christians as well as develop a broader definition of missions and evangelism. This evaluation of the Second-Generation Church ultimately leads to a new ecclesiology—one that is built on Christ and mission rather than culture and ethnicity.

Panel 3

*New Research in History*

*Chair: Kyle Jantzen, PhD, Professor of History*

## Session One

**Protector of Civilization, Champion of the Jews: *The Churchman*?**

*Kara Boda, BA History student*

*Time: 8:30 – 9:30*

*Room: A2212*

Was the United States coldly unsympathetic to the Nazi persecution of the Jews? Was the American Church truly silent to the Jewish plight? In fact, Protestantism in the United States was aware of, moved, and had a deep-felt sense of responsibility to act on behalf of European Jews as far as it was able. Conceiving itself to be the protector of civilization, the liberal Protestant writers and editors from the Episcopal journal *The Churchman* used their agency to call the American people and government to respond to the refugee crisis and persecution of Jews in Europe, conceiving the Nazi fascist regime as its supreme enemy that must be destroyed.

# program

*Panel 3*

## *Session One*

### **Chieftaincy and the Civilizing Mission in the Northern Territories of the Gold Coast Colony**

*Tony Kaye, MA,  
Sessional Instructor in  
History*

*Time: 8:30 – 9:30*

*Room: A2212*

British colonial administrators in the West African savannah believed chiefly rule indicated human progress. In the Northern Territories of the Gold Coast, for instance, British officers learned that local chieftaincies were part of the legacy of recent Muslim migration from past decades. The view that African innovation was dependent on foreign influence only deepened the reigning Orientalist image of “backwards” Africa and the romantic justifications for the civilizing mission. As such, my presentation will show how opposing terms like secular and superstitious; literate and illiterate; chiefly and non-chiefly; young and old; and resistor and obedient became central to how colonizers represented Africans existing along a continuum of progress. Finally, colonizers targeted chiefly groups as central partners to build infrastructure, introduce cash-based markets, enroll students, and enlist soldiers throughout the savannah. Ultimately, these development goals aimed at producing in African youth both shame for their traditions and admiration for European ways of life.

### **Becoming Christian in History Class**

*Ken Draper, PhD,  
Professor of History*

*Time: 8:30 – 9:30*

*Room: A2212*

Christian integration is typically discussed in terms of great biblical themes like creation, sin, and redemption. These are helpful ways into integration, but my paper will suggest that learning to be a historian can be closely related to learning to be a Christian. Christian virtues such as humility and hospitality are key to the historian’s approach to the past. Studying history, then, is good preparation for living “Christianly” in a post-Christian world.

### **Break**

*Time: 9:45 – 10:45*

(refreshments provided in the Fish)

# program

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## Panel 4

## Session Two

### *New Research in Biology*

*Chair: Carol Kroeker,  
PhD, Associate  
Professor in Biology  
and Physiology*

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### **Energy Drinks and Their Physiological Effects**

*Chantelle Osborne  
and Ashley Janzen,  
BSc Biology  
students*

*Time: 9:45 – 10:45  
Room: A2212*

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Energy drinks contain high levels of caffeine and taurine and have recently been popularized with claims of increasing alertness, energy, and stamina—particularly during exercise. Other scientific reports contradict claims of enhanced performance and suggest they have negative side effects. In this study, 20 subjects were used to test the effects of caffeine and taurine on several physiological parameters, including blood pressure, heart rate, body temperature, and reaction times. Their effects on mental tasks were also tested. Doses were comparable to those found in energy drinks. Subjects ingested doses of either caffeine, taurine, a placebo, or a combination of caffeine and taurine. Physiological and task parameters were measured at 0, 60, and 90 minutes after ingestion. Each subject was tested with each compound over a span of several days. Comparisons were made between men and women, caffeine alone, taurine alone, and a combination of both.

### **Protein Supplements: Do They Really Stack Up?**

*Melody Listoe, BSc  
Biology student*

*Time: 9:45 – 10:45  
Room: A2212*

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Many athletes use protein supplements as a way to increase muscle mass and muscle strength, either as a stand-alone product or in combination with a strength training program. This study examines the effects of whey protein on muscle force and endurance. Some 20 subjects volunteered for a 6-week regime of exercise and whey protein. At the onset of the 6 week program, subjects were tested for maximal muscle force, muscle endurance, and fatigue in each arm (arm diameters were also measured). Each subject completed daily strength exercise in one of their arms. Half the subjects combined this with whey protein supplements. At the end of the six weeks, the subjects repeated the muscle force and endurance testing. These start and end results were compared in both the protein and non-protein groups. Comparisons between men and women were also made.

# program

## Panel 5

## Session Two

### *Behavioural Science Alumni Research*

*Chair: Alex Sanderson  
MacIntyre, PhD,  
Associate Professor of  
Psychology*

### **Executive Functions in Children with High-Functioning Autism Spectrum Disorders**

This research project focuses on the relationship between inhibition and social skills in a population of children with high-functioning autism spectrum disorders using preliminary data. Discussion will also focus on the nature of the disorder, the research on executive functions, and links between the two in this specific population.

*Ryan Matchullis  
Graduate Division of  
Educational Research;  
Applied Psychology,  
University of Calgary*

*Time: 9:45 – 10:45*

*Room: A2133*

### **Walter Freeman and the Advent of Psychosurgery in Ontario**

July 23, 1941 marked the beginning of a controversial era in Canadian psychiatric history. On this day, K. G. McKenzie, Canada's famous neurosurgeon, performed the first psychosurgical operation, a prefrontal leucotomy, at the Toronto Psychiatric Hospital. The technique employed by McKenzie was introduced to him, on a trip to Washington D. C., in 1938. This presentation will show that the beginning of leucotomies in Ontario, especially so early in the movement that began in 1935, can be connected to the influence of the famous American lobotomist, Walter Freeman. Freeman and his colleague, James Watts, hosted McKenzie and C. B. Farrar, the director of the Toronto Psychiatric Hospital, in 1938 to observe recent cases of patients that had undergone psychosurgery. Several years later in 1943, Freeman was invited to Ontario where a leucotomy program was already underway. These professional encounters, the exchange of correspondence, circulating medical literature, and Freeman's international pioneering efforts all contributed to psychosurgery being taken up in Ontario.

*Brianne M. Collins, MA  
Student, Department  
of Psychology,  
University of Calgary*

*Time: 9:45 – 10:45*

*Room: A2133*

# program

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Panel 5

## Session Two

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### **Human Trafficking in Alberta:**

Formalizing a  
Calgary-Based  
Response

*Julie Kaye, PhD*

*Candidate, University  
of Saskatchewan;*

*Action Coalition on  
Human Trafficking  
(ACT – Alberta)*

*Time: 9:45 – 10:45*

*Room: A2133*

While much attention has been given to the importance of developing a national strategy to address human trafficking (HT) in Canada, many of the services required by trafficked persons are the responsibility of individual provinces. Thus, while federal strategies remain important, their effectiveness depends on an in-depth understanding of the nature of HT in individual provinces and communities and should compliment response models developed at those levels. However, at present, detailed knowledge of HT at the provincial level remains largely underdeveloped. With this in mind, this research established a partnership between the Centre for Criminology and Justice Research at Mount Royal University and the Action Coalition on Human Trafficking in Alberta to develop a local understanding of the patterns and trends of HT in Calgary with the long-term goal of expanding the project to assess the state of HT throughout Alberta.

To develop a formalized action plan for responding to HT in Calgary, we undertook a study that built on established networks in Calgary to examine the state of HT and existing responses in the city. The long-term objective is to expand the model throughout Alberta and to explore the possibility of developing a collaborative model that could be adopted throughout Canada. Since there is currently no such model in place, this research provides the foundation for advancing responses to HT and future analyses of HT. During this presentation I will present the findings of our collaborative study and discuss how it can be used to inform the Action Coalition on Human Trafficking (ACT) in Alberta – a coalition of government agencies, nongovernment organizations, survivors of HT, and the general public – that seeks to identify and respond to HT in the province.

# program

## Panel 6

### *Christianity and Literature: New Research*

*Chair: Tim Heath,  
PhD, Associate  
Professor of English  
Literature*

## Session Two

**“[L]et anticipation stir”:** The Believer’s Hope in the Poetry of Margaret Avison

*Elizabeth Gripping,  
MA, Sessional  
Instructor in English  
Literature*

*Time: 9:45 – 10:45*

*Room: A2100*

For Canadian poet Margaret Avison, poetry offers an opportunity “to deepen human awareness,” and since *The Dumbfounding* (1966), Avison’s poetry has pursued a spiritual—and specifically Christian—kind of awareness (Avison, “Muse” 146). Her poetry has consistently centred around biblical and theological themes, so David A. Kent rightly remarks that any apt critical approach to this poetry requires a recognition of Avison’s “fundamental religious commitment” (vi). Among Avison’s many theological themes, her interest in eschatology becomes apparent in her later collections, among them *Concrete and Wild Carrot* (2002), *Momentary Dark* (2006), and *Listening* (2009). In my paper, I will discuss selected poems from the poet’s later collections to argue that Avison engenders a hope that increases rather than diminishes her commitment to the present.

**Heeding the Unheard, Beholding the Unseen:** Finding Faith in Gerard Manley Hopkins’ “Nondum”

*Denae Dyck, BA  
English Literature  
student*

*Time: 9:45 – 10:45*

*Room: A2100*

Gerard Manley Hopkins’s “Nondum” explores the interplay between present absence and anticipated presence that defines the experience of waiting. As Hopkins expresses his longing for God to be revealed, he simultaneously confronts his own anguish and discovers hope amid emptiness. My paper examines the dialectic between the apophatic and kataphatic traditions evoked through the intricate tensions that animate “Nondum.” By investigating the paradoxical descriptions of time, place, and being throughout the poem, I aim to show that Hopkins’s desire to heed what he has not yet heard and to behold what he has not yet seen reflects both God’s ineffability and humankind’s yearnings to describe the divine. Although “Nondum” lacks the prosodic excellence that characterizes Hopkins’s later pieces, the poem’s artistic imperfections serve to underscore Hopkins’s insights. I argue that Hopkins’s poetic encounter with that which lies beyond words provides a poignant and compelling manifestation of faith. Through writing of a God who transcends symbolic representation, Hopkins demonstrates a spirituality that embraces the mystery of the God who hides himself.

# program

Panel 6

## Session Two

### **Her Face, Holy:**

The Pre-Raphaelite  
Mystic and Coventry  
Patmore's "Angel in  
the House"

*Sarah Poffenroth, MA,  
Sessional Instructor in  
English*

*Time: 9:45 – 10:45*

*Room: A2100*

My paper explores how the Pre-Raphaelite habit of painting the female form as a locus for divine presence compares with Coventry Patmore's notion of the Angel in the House. Pre-Raphaelite painters clearly establish the female form as a powerful manifestation and/or channel of the presence of the mystical. However, within this, I aim to show how the spirituality of the Pre-Raphaelites interacts with, and in important ways revises, the ideas that Coventry Patmore advances in his 1854 poem "The Angel in the House." During 1850s, the Pre-Raphaelites and Patmore shared what might be termed as a collaborative relationship. However, in many of their works, the Pre-Raphaelites depart from Patmore's gender assertions in ways that highlight not only the diverse spiritualities of the nineteenth century but also the complex dialogical relationships between artists in the Victorian period.

Panel 7

## Session Two

*New Research  
in Theology and  
Biblical Studies*

*Chair: Rick Love, PhD,  
Associate Professor of  
Old Testament Studies*

**Understanding  
the Millennium:** A  
Non-Dispensational,  
Pre-millennial  
Eschatology

*Ruth Harnett, MA  
(BTS) student*

*Time: 9:45 – 10:45*

*Room: A2131*

Revelation's vision of Christ's millennial reign has fascinated theologians and biblical studies scholars throughout Church history. More recently, contemporary Western society generally, evidences a nouveau captivation with 'end times' inquiry. Influenced by the associated socio-political context and mood of the times in which a particular perspective predominated, four different millennial interpretations of the vision of Revelation 19:11 to 20:11 have prevailed. These dominant Christian, eschatological perspectives on the millennial vision form the subject matter of this concise investigation, while the thesis proposes that a non-dispensational, pre-millennial eschatology remains defensible, as a valid, contemporary, canonically critical interpretation of relevant biblical texts.

# program

Panel 7

## Session Two

### **Sabbath in the Decalogue:**

A Command to Rest and Provide Rest

*Nikayla Reize, MA*  
(BTS) student

*Time: 9:45 – 10:45*

*Room: A2131*

Why does the Sabbath command specify which people are to rest? In this paper I examine the Creation narrative and the Exodus event to answer this question. I conclude that the command to keep the Sabbath is less about the reader resting, and more about the obligation of providing rest for those who cannot do so for themselves. The idea of keeping the Sabbath is a principle that invokes the memory of how things were in the beginning to look forward to how things will be in the end. Looking back to Eden and to the exodus from Egypt we see a God who makes peace and wholeness out of chaos. The Sabbath is a day to practice this same principle: a day where social status doesn't matter. In the Sabbath principle we catch a glimpse of how things are in Christ.

### **The Restoration(s) of Israel and Adonai**

*Steve Pahl, MA (BTS)*  
student

*Time: 9:45 – 10:45*

*Room: A2131*

Ancient Jewish lectionaries linked Genesis 14, Isaiah 41 and Psalm 110 together in liturgical readings. In Isaiah 41:1-7, the text speaks about Yahweh's unnamed agent who defeats nations, subdues kings and pursues them. The description in Isaiah 41 fits both Abraham (Genesis 14) and Cyrus. It is possible that Canonical Isaiah is recalling the deeds of Abraham in order to prepare the reader/listener for the introduction of Cyrus as Yahweh's "messiah/anointed" in Isaiah 45:1. In Isaiah 41:8-20, the text describes a 'reversal of hands' where Israel is first invited to God's right hand, and then God is pictured at Israel's right hand. The only other text in scripture where a similar 'reversal of hands' occurs is Psalm 110. It appears that Canonical Isaiah is using imagery from the installment of the Davidic king and applying it to the re-installment of his servant, Israel.

### **Break**

*Time: 10:45 – 11:00*

(refreshments provided in the Fish)

# program

## Panel 8

## Session Three

**Behavioural  
Science:  
Independent  
Research Projects**

**Chair: Alex Sanderson  
MacIntyre, PhD,  
Associate Professor of  
Psychology**

### **Family History and Homelessness:**

Finding the  
Connection Between  
a Pregnant Female's  
Family History and  
the Potential for  
Homelessness

Pregnant women living in poverty are exceptionally vulnerable to experiencing episodes of homelessness. This research study explored how a woman's familial dynamics in childhood increased or decreased the likelihood of her experiencing homelessness as an adult. The research also considered how understandings of sexual health growing up increased the likelihood of experiencing a pregnancy while living in poverty. This study's purpose is to give a voice to pregnant homeless women and help others understand how a female's family history could direct her life chances towards homelessness.

**Meredith Buschart,  
BA Behavioural  
Science student**

**Time: 11:00 – 12:00**

**Room: A2133**

### **Music Perception and Subculture**

**Identity:** Exploring  
Individual Differences  
in the Way Music is  
Actively Perceived

This study is aimed to explore music perception by examining different areas of music listening habits. Participants were asked to rate the frequencies of certain behaviours and perceptions regarding their listening habits on 10-point Likert scales. Additional qualitative information was gathered in both the survey itself and follow up semi-structured interviews. Participants were also asked to self-report peripheral aspects related to music perception such as being a musician and their use of music in everyday life. Data was grouped according to genre preference, sex, and subculture.

**Joshua Hemeon, BA  
Behavioural Science  
student**

**Time: 11:00 – 12:00**

**Room: A2133**

# program

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Panel 8

## Session Three

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**Personality and Perfectionism:** Trait and Tendency in Female Varsity Athletes

*Margo Killham, BA Behavioural Science student*

*Time: 11:00 – 12:00*

*Room: A2133*

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This correlational study examines the relationship between personality traits and perfectionist tendencies in female varsity athletes through the use of various psychometric scales.

**Defining Health:** The Social Construction of Health and its Subsequent Affects in a Person's Life

*Jenna Schellenberg, BA Behavioural Science student*

*Time: 11:00 – 12:00*

*Room: A2133*

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This research explored how the definition of health is a construct of society which makes it a dynamic, subjective concept with no finite definition. In this paper I will discuss the history of the health models of the past two centuries and how these definitions have shaped health practice. Next, I will discuss the results from interviewing twenty individuals about their definitions and personal experiences of health. To further gain a societal view on health I will discuss my scoring for health definitions of the two most popular medical drama series in North America: *Grey's Anatomy*, and *House M.D.* By gathering all this information I hope to explore the relationship between societal and individual definitions of health and how these definitions can directly affect a person's life experiences.

# program

## Panel 9

## Session Three

### *New Research in Christian Studies*

*Chair: Rob Snow, PhD,  
Associate Professor of  
New Testament*

**Active Faith:** An  
Examination of the  
Relationship Between  
Faith and Works in  
James 2:14-26

*Heather Francisco,  
BA Christian Studies  
student*

*Time: 11:00 – 12:00*

*Room: A2212*

James 2:14-26 provides instruction about the relationship between faith and works in the life of the believer. This presentation seeks to examine what James has to say about that relationship, considering in particular what James means when he says that “faith without works is dead” (v. 26), and how James’ argument for an active faith that is accompanied by works might actually be in harmony with Paul’s “justification by faith apart from works” (Rom. 3:28).

**What Would the  
Prophets Think  
About Church  
Buildings?**

*Carl da Luz, BA  
Christian Studies  
student*

*Time: 11:00 – 12:00*

*Room: A2212*

This paper will analyze the biblical call to justice and biblical models of sacred space. It will then compare these passages with modern church building practices to defend the argument that a preoccupation with sacred space hinders the church’s missional vocation.

**The History of the  
People’s Temple**

*Jordan Crowell, BA  
Christian Studies  
student*

*Time: 11:00 – 12:00*

*Room: A2212*

This paper is an investigation of the infamous People’s Temple led by Jim Jones. Popularly known for their mass suicide, this paper will explore the origins, growth, and fall of the Temple under his leadership.

# program

## Panel 10

### *Christianity and Literature: Creative Writing Panel*

*Chair: Tim Heath, PhD,  
Associate Professor of  
English Literature*

## Session Three

**Barbara Quale, BA  
English Literature  
student**

*Time: 11:00 – 12:00*

*Room: A2141*

My surgically assembled fantasy adventure trilogy aims to present a credible female hero, despite the overwhelming emphasis on male heroes in this genre, and to use narrative as a means of discovering whether there is grace enough for monsters. If so, what would be the outcomes? Can one maintain an identity through transformation? To these ends, I will read an excerpt from the start of the first novel to establish the two primary characters of that book. A third key character, instrumental in the final outcomes of the plot, is also introduced.

**Natasha Ruhwald,  
BA English Literature  
student**

*Time: 11:00 – 12:00*

*Room: A2141*

The selection I present is a brief episode in an unfinished novel called *The Mythos of Jaro Reddinger*. The novel is a variation on the classic hero tale in the fantasy genre. Jaro Reddinger is the hero of the story and over the course of novel must embark on a quest to save the princess Winnowna, whom he loves, from the curse of a cockatrice. The overall theme that the novel presents is the power of love to triumph over all other things, particularly evil.

## Panel 11

### *Theme and Variations: A Process for Composing with Purpose*

*Chair: Ian Charter,  
MMus, Associate  
Professor of Music*

## Session Three

**Lena McLeod  
Anthony Edmunds  
David Guillemaud  
Evangeline Mably**

**BMus students**

*Time: 11:00 – 12:00*

*Room: A2100*

Four students from Ambrose University College's Music Composition Classes will share processes employed in their compositions. Demonstrating the rigors of contrapuntal, harmonic, melodic, and rhythmic materials of their craft, each student composer will discuss one of their works and will have it performed by means of a FINALE notation performance. Three of the students will present two variations on a simple musical theme supplied to them in class. Another will discuss motivations behind the composition of an original work for orchestral ensemble—a work for solo oboe and string ensemble.

# program

## Panel 12

*Modelling  
Interdisciplinary  
Research:  
Sociological  
and Theological  
Considerations of  
Sacred Space*

*Chair: Kyle Jantzen,  
PhD, Professor of  
History*

## Plenary Session

**Sacred Space:**  
Function and Mission  
from a Sociological  
and Theological  
Perspective

*Joel Thiessen, PhD,  
Assistant Professor  
of Sociology, and  
Bill McAlpine, PhD,  
Associate Professor of  
Practical Theology*

*Responses by Tim  
Heath, PhD, Associate  
Professor of English  
Literature and*

*Ray Aldred, PhD  
(cand.), Assistant  
Professor of Theology*

*Time: 12:05 – 12:55*

*Room: A2133*

Drawing on interview and case study data, we offer a sociological and theological discussion of “sacred space.” Interviews with twenty-one individuals who attend religious services mainly for religious holidays and rites of passage (“marginal religious affiliates”) reveal that sacred space is a significant reason for why they attend when they do. Sociologically, we discuss the function that sacred space possibly fulfills for marginal religious affiliates and suggest that sacred space primarily helps to center them with some semblance of meaning and direction, transition and transformation in life—a function fulfilled when we think about sacred space as (a) a meeting place between Heaven and Earth, God and humanity, and (b) an earthly representation of beauty. Theologically, we draw on case studies with a Christian and Missionary Alliance congregation and a Roman Catholic congregation to examine how church leaders think about and create sacred space relative to the mission of their church. Although church leaders, when thinking about and creating sacred space, give importance to individuals’ religious journeys and transformation, they appear to give greater ascendancy to the missional belief that sacred space should facilitate horizontal relationships between humans (i.e., internal community) more so than vertical relationships between humans and God.

*New Research in  
Behavioural and  
Natural Sciences*

## Poster Session

# program

## Poster Session

*Location: Upper Atrium  
(near classrooms 2131  
and 2133)*

Throughout the morning of the conference, students and faculty from the Behavioural and Natural Sciences will present posters explaining various research projects:

Carl da Luz, *Sex and Colour-Matching: Does Gender Have Bearing on Colour Vision?*

Ashley Janzen and Catherine Kesteven, *Adaptation to Grating Reveals Orientation Selective Mechanisms in Human Visual Information Processing*

Dare Mably, *Reading the Face: How to Better Interpret Facial Expressions of Emotion*

Melody Listoe & Jennifer Little, *A Quantitative Psychophysical Analysis of the Müller-Lyer Illusion*

Beth Siggelkow, *Poverty Calendar*

Jen Webb and Stephanie Rushing, *Poverty Reduction Manual for Churches*

Ross Gilmore, *Identification and Partial Characterization of Bacterial Environmental Isolates as Putative Decomposers of Crude Oil in vitro*

# notes

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