Commonwealth Honors Program
SECOND ANNUAL POSTER CONFERENCE
3 - 6 P.M.
WEDNESDAY, APRIL 18, 2012
BEDFORD CAMPUS CENTER
Music: A Cultural Human Universal

New research offers a compelling case for music as an innate biological function.

The Adapted Brain
- Certain physical features of the brain seem to suggest that music has an evolutionary basis.
- The brain's ability to process music is thought to be linked to the development of language and communication.

Natural Selection
- Some believe that music evolved as a means of communication and relationship building among early humans.
- The ability to produce and perceive music may have provided an evolutionary advantage.

Cross-Cultural Meets Popular
- Music transcends cultural boundaries and can be found in virtually all societies.
- Examples of cross-cultural musical influences can be seen in popular music genres such as reggae and hip-hop.

Orchestras Bring People Together
- Orchestral music has been shown to have a powerful effect on emotional and social well-being.
- Together, music and orchestras can promote unity and community.

World Music Crosses Borders
- Music is a universal language that can bridge cultural divides.
- Musician Paul Simon's album "Graceland" exemplifies the fusion of different musical traditions.

Music and the Deaf
- Music has a profound impact on the emotional well-being of people who are deaf.
- In many countries, music therapy is used to help deaf individuals develop communication skills.

Non-Musicians Sure Are Musical
- Even those who do not identify as musicians can enjoy and benefit from music.
- Music education can enhance cognitive, emotional, and social development.

Universality of Cognition
- Music perception and production are believed to be a fundamental aspect of human cognition.
-suggestive of a common cognitive framework.

Universal Meaning
- Music can convey complex ideas and emotions.
- It transcends language and can have universal appeal.

Music and the Deaf
- Music has a profound impact on the emotional well-being of people who are deaf.
- In many countries, music therapy is used to help deaf individuals develop communication skills.

Music Communication
- Music can be used to communicate emotions, ideas, and cultural values.
- It serves as a universal language that can transcend linguistic barriers.

The meaning conveyed by music is not necessarily culturally dependent.
New research offers a compelling case for music as an innate biological function.

The Adapted Brain

- Certain physical structures of the brain are used solely for the processing of music, and not for speech or other auditory input.
- Neurological activity, known as sounds, exist which present the interpretation of melody, rhythm, and other aspects of music.

Music is used throughout the world as a means of understanding, respecting, and bridging cultural differences.

Natural Selection

- It was believed that music's adaptive use lead to its role in natural selection. However, the natural selection must be strong enough to overcome the brain's innate musical structures.
- The explanation of this theory offers new insights into the brain's evolution and how music has played a role in human development.

Cross-Cultural Meets Popular

- The West Coast Drive Orchestra brings musicians from diverse cultural backgrounds together to create a popular sound.

Orchestras Bring People Together

- The American Youth Orchestra Orchestra brings together musically talented students from across the country.

Non-Musicians Sure Are Musical

- Non-musicians have a natural inclination towards musicality. This can be seen in various activities such as hitting drums, dancing to music, and enjoying other forms of music.

World Music Crosses Borders

- World music crosses cultural and linguistic boundaries, bringing people together through shared experiences and emotions.

Music and the Deaf

- Music can be an important part of communication for the deaf, allowing them to connect with others and express themselves through rhythm and melody.
A Long History of Distrust

Anti-intellectualism in America
A history of policies and attitudes toward intellectualism, in an attempt to define qualities of modern American culture

Who are these women?

What about TJ?

Egotistical: "A person of spurious intellectual pretensions, often a professor or the pride of a president. Fundamentally superficial, over-emotional and feminine in reaction to any intellectualism. Supervision and subjection of women and children for the experience of more sound and wise men. Essentially confined in thought and inaction in a morass of mediocrity and vulgar insincerity. A devotee of pedantic Euro-American socialism and liberality. Supporter of the old-fashioned ideal of moral equality which leads him into a trap of intellectual inferiority. He is given to examining all cases of a question that he becomes thoroughly utilitarian while remaining always in the same spot. An acute and bleeding heart."

A three-panel exhibit with various images and text explaining the history of intellectualism in America.
Caring for the elderly in India, China, and the United States of America

**China**
- History and Culture
  - China's philosophies are centered around the family and respect for elders.
  - In earlier times, the younger generations cared for their parents and grandparents. The elderly were considered to have a connection to the ancestors and were very wise.
  - As in India, the practice of using an elder care facility has been rising, but there are still 27 percent of adult children that will want to take care of their parents. (Hong Kong)
  - "Chinese culture has been heavily influenced by Confucian traditions, which place great emphasis on parent-child relationships." (Tung)

**United States of America**
- History and Culture
  - 1650-1850: Less than 2 percent of the population was considered elderly. They were revered for their wisdom and knowledge.
  - The American Revolution started a culture where the youth were more cherished than the old. This led to age being called a disease (Negroning).
  - In the 20th century, the elderly were seen as a burden on society because they could not contribute as much to medical and business advances.

**Socioeconomic factors are fundamental to the care of the elderly in India, China, and the United States of America.**

**India**
- History and Culture
  - The most popular form of care is living with family, particularly in rural areas where there is no access to care facilities. (Andhra Pradesh)
  - Care for the elderly is to be considered a family responsibility. (Uttar Pradesh)
  - The law in India states that all children must care for their parents. (Chennai)

**Conclusions**
- Although senior housing has been around for over 300 years in the United States, it is a relatively new concept in other countries. China and India have a long history of caring for the elderly within the family, but they are starting to develop new models for care as their populations age.

**Reflections**
- The role of the family in caring for the elderly is essential. Care must be considered as a family responsibility and not just an individual task. The elderly should be respected and valued members of society.
Caring for the elderly in India, China, and the United States of America

**China**
- History and Culture
  - China's philosophies have centered around the family and respect for elders.
  - In earlier times, the younger generations cared for their parents and grandparents. The elderly were considered to have a connection to the ancestors and were very wise.
  - As in India, the practice of using an elder care facility has been rising, but there are still 37 percent of adult children that will want to take care of their parents. (Hong Kong)
  - "Chinese culture has been heavily influenced by Confucian traditions, which place great emphasis on parent-child relationships." (Hong Kong)

- The modernization of the urban Chinese culture has changed the living arrangements for the elderly. The practice of taking care of the elderly has gone from living in a family home or nursing home. This practice of taking care of the elderly is less common in today's urban Chinese culture. However, elderly care facilities are being established to help those who need care.
  - There are 113 million people over the age of 60 in China (2014).
  - The elderly are developing self-sufficiency through a philosophy of self-reliance and not being a burden on society. However, elderly care facilities are being established to help those who need care.
  - The elderly have a tendency to worry about their family and feel that their family loves them.

**United States of America**
- History and Culture
  - 1950-1960: Less than 10 percent of the population was considered elderly. They were cared for by their family.
  - The American Revolution created a society where the youth were more cherished than the elderly. This led to old age being viewed as a disease (Framing).
  - In the 20th century, the elderly were seen as a burden on society because they could not contribute as much to medical and business endeavors.

- After the Great Depression, President Franklin D. Roosevelt signed the Social Security Act.
  - It is the cornerstone of the American elderly care system.
  - Questions about if some people deserve benefits or not - Some of the questions are: Should elderly people receive Social Security benefits? Is Medicare a program that the elderly are entitled to? How much does it cost to provide Medicare?
  - President Lyndon B. Johnson passed the Medicare and Medicaid programs to help the elderly and poor populations.
  - Protests in the 1960s, provided strategies for the elderly, but they are not as effective as the passage of Medicare and Medicaid. There is a need to provide more comprehensive services.
  - The elderly are often seen as a burden on society. They are viewed as not contributing to society and are often left to their own devices.

- Nursing homes began to have stricter regulations to improve safety and care.
  - 30 million people over the age of 65 in 2012 (U.S.)

**Conclusions**
- The elderly in both China and the United States are cared for by their families.
  - In China, the elderly are more likely to be cared for by their family due to cultural and philosophical reasons.
  - In the United States, the elderly are more likely to be cared for by government programs due to the high cost of care.
  - The elderly in both countries face challenges in receiving adequate care.

**Reflections**
- The United States and China have different cultural and philosophical beliefs about the elderly. In China, the elderly are considered a part of the family and are cared for by their family. In the United States, the elderly are more likely to be cared for by government programs due to the high cost of care.
  - The elderly in both countries face challenges in receiving adequate care.
  - The United States and China have different cultural and philosophical beliefs about the elderly. In China, the elderly are considered a part of the family and are cared for by their family. In the United States, the elderly are more likely to be cared for by government programs due to the high cost of care.
Born on July 5, 1860, in Hartford, Connecticut, her father was a well-known historian, Frederick Booser Perkins. As a nephew to Harriet Beecher Stowe, Gilman attributed her talent for speaking in her Beecher tradition. When she was an infant, her father abandoned the family, leaving her mother to tend to her older brother and Charlotte on her own. Because of this, they moved around a great deal and lived in poverty. Her father’s infrequent visits were a cause for him to encourage her to read. As a young child and teenager, her school attendance was sporadic, but in her early 20s, she attended the Rhode Island School of Design.

She married Charles Walter Stetson in 1884 and in 1888 she gave birth to a daughter, Katharine Beecher Stetson. She had suffered from mild depression during the first months of her marriage, and after the birth of Katharine it worsened. She was prescribed the rest cure, a popular treatment in those times. It involved being closed off from family and friends, long sleep, and forfeit to no physical activity. The rest cure is one of the main themes in her most famous book, *The Yellow Wallpaper*, and one wonders if the suffering of the woman in the story was indeed an autobiographical for Gilman, as many who the idea for the short story was conceived. Eventually Walter Stetson filed for divorce and Charlotte left him and her child and headed to California to find her way in the world. She became an advocate for women’s rights, and a powerful speaker and author. Later in life she married her cousin George Gilman.

After her death, her writing fell by the wayside after her death. It came back into popularity with the women’s movement of the 60’s. Her death came at her own hands, long suffering from cancer, she chose to die from inhaling chloroform rather than suffer from the cancer.

Her work and beliefs have played a tremendous role in women’s rights at a time when they had very few, and her voice was often silenced at a time when women often were.

And woman should stand beside man as the comrade of his soul, not the servant of his body.
Charlotte Perkins Gilman
APPLICATIONS OF THE DERIVATIVE
MAXIMUM AND MINIMUM

DEFINITION

In mathematics, the maximum and minimum of a function, known collectively as extrema, are the largest and smallest values that the function takes at a point either within a given neighborhood (local or relative extremum) or on the function domain in its entirety (global or absolute extremum).

More generally, the maximum and minimum of a set (as defined in set theory) are the greatest and least element of the set. Unbounded infinite sets such as the set of real numbers have no maximum and minimum.

To locate extreme values is the basic objective of optimization.

CRITICAL POINTS OF \( f \)

A critical number of a function \( f \) is a number \( c \) in the domain of \( f \) such that

- \( f'(c) = 0 \) (stationary point)
- \( f'(c) \) does not exist

CANDIDATES FOR RELATIVE EXTREMA

1. Stationary points: any \( c \) such that \( c \) is in the domain of \( f \) and \( f'(c) = 0 \) (stationary point).
2. Point discontinuities: any \( c \) such that \( c \) is in the domain of \( f \) and \( f'(c) \) is undefined.
3. Remarks: notice that every critical number corresponds to a local maximum or local minimum. We use “local extrema” to refer to either a min or a max.

FERMAT’S THEOREM

If \( f \) has a local maximum or minimum at \( c \), then \( c \) is a critical number of \( f \). Notice that the theorem does not say that every critical number of \( f \) is a local extremum. It only tells us that a critical number is a candidate for being a local extremum.

OPEN BOX PROBLEM

An open-top box with a square bottom and rectangular sides is to have a volume of 256 cubic inches. Find the dimensions that require the minimum amount of material.

The volume of the box is

- \( V = x^2y \)
- \( 256 = x^2y \)
- \( y = \frac{256}{x^2} \)

The surface area of the box is

- \( S = 2x^2 + 4xy \)
- \( S = 2x^2 + 4x \left( \frac{256}{x^2} \right) \)
- \( S = 2x^2 + \frac{1024}{x} \)

\( \frac{dS}{dx} = 4x - \frac{1024}{x^2} = 0 \)
- \( x^3 = 256 \)
- \( x = 4 \)
- \( y = \frac{256}{x^2} = 8 \)
- \( S = 2(4^2) + \frac{1024}{4} = 2048 \)

The dimensions that require the minimum amount of material are 4 by 4 by 8.

MARGIN PROBLEM

(win and loss required) A poster is to contain 100 square inches of picture area surrounded by a 2-inch margin on the top and bottom and a 1-inch margin on each side. Find the overall dimensions that will minimize the total area of the poster.

The area of the poster is

- \( A = (x - 4)(y - 2) \)
- \( 100 = (x - 4)(y - 2) \)
- \( y = \frac{100}{x - 4} + 2 \)

The area of the poster is

- \( A = (x - 4) \left( \frac{100}{x - 4} + 2 \right) \)
- \( A = 100 + 2x - 4 \)
- \( \frac{dA}{dx} = 2 \)
- \( x = 12 \)
- \( y = 14 \)

The overall dimensions that minimize the total area are 12 by 14.

MAXIMIZING PROFIT

Suppose that the revenue of a company, in millions of dollars, is represented by the function \( R(x) = -x^3 + 12x^2 - 90x + 1800 \), and the company’s cost function in millions of dollars, is \( C(x) = x^2 - 30x + 200 \), where \( x \) represents the thousands of units produced and sold, and cost is in millions of dollars. What production level maximizes profit, and what is the maximum profit in the thousands?

Profit = Revenue - Cost

- \( P(x) = R(x) - C(x) = -x^3 + 12x^2 - 90x + 1800 - (x^2 - 30x + 200) \)
- \( P(x) = -x^3 + 11x^2 - 60x + 1600 \)

\( \frac{dP}{dx} = -3x^2 + 22x - 60 = 0 \)
- \( x = 5, 4 \)
- \( P(4) = -4^3 + 11(4)^2 - 60(4) + 1600 = 1444 \)
- \( P(5) = -5^3 + 11(5)^2 - 60(5) + 1600 = 1425 \)

The production level that maximizes profit is 4,000 units, and the maximum profit is 1,444, or 1,444,000 dollars.
The Impact of the U.S. Outsourcing on Cambodia's Garment Industry

Working in Countryside Verse Working in City

Countryside
- Work in field grow crop or rice
- Plantations
- Animals

City
- New environment
- Entertainment with city music
- Work in industry

Garment workers are paid low wages, only 0.21 cents per hour. It is equal to $1.68 per day and $50.40 per month, and they get paid at the end of the month ("Watch Brief on Quota-Free Trade in Textiles and Clothing"). Whereas, the United States floor wages is $7.45 per hour, and the owner is responsible to pay health insurance, holiday, sick days, and federal and local government taxes ("Minimum Wage Worker").
Benefits

The Amazon Rainforest has supplied mankind with thousands of species of plants and animals that have had an enormous impact on curing many human diseases and ailments. One current example is the *Mexican magic mushroom* that is proving to be a long awaited cure for cluster headaches. These headaches are far worse than migraine headaches and can last for weeks. Other plants of the rainforest have provided cures for malaria, ulcers, hepatitis, fevers and even the compounds that go into ‘the pill.’ Our current form of anesthesia is also derived from the Amazon rainforest. Researchers are currently looking to the rainforest in the fight to overcome some of mankind’s more devastating diseases such as cancer, *Listeria* and *HIV/AIDS*. Some of the animals of the rainforest, including the Amazon leech, Vampire bat, fire ant and poison dart frogs, are all providing medicinal drugs as well. A recently new field of study into endophytes is also creating a new source of medicinal drugs.
The Music and Culture of Byzantium:

An Analysis of Its Musical History and Influence on Western Liturgical Music

Points of Influence on the Western Tradition
The Influence of Confucianism on Eastern Asian Families

The teachings of Confucius changed the way people in Eastern Asian families structure and relationships. Confucius taught that obedience and respect for elders were essential. Obedience is a characteristic that was emphasized in Confucianism. The younger siblings were expected to obey any older person, and three obedience stated that a daughter should obey her parents, a son should obey his parents, and a widow should obey her husband. Confucius allowed his views on their husbands and instilled them. The male is considered the head of the family, and relationships and how people conduct themselves in society were tied to the roles they had within a family. The social hierarchy was based on these relationships. Confucianism became popular in Eastern Asian countries’ culture. As a result, many families desired to follow Confucianism to continue their family’s lineage. Confucianism focused on the importance of family and society.
The Evolution of Gender Roles in Chinese Work, Marriage, and Family

In recent history, gender roles in China have been evolving. China’s Cultural Revolution along with “The Silver Flower Contest” of 1956 has dramatically altered previously established female and male roles in three major categories: the workplace, marriage and family, and politics.

- Work: The dual role of women and men has changed significantly. Women now participate in the workforce, contributing to the economy and society.
- Marriage: The traditional one-child policy has been relaxed to two children, reflecting a shift in family planning.
- Family: The role of women in the family has evolved, with increased participation in decision-making and a rise in female leadership roles.

This has been accompanied by changes in social norms, legal protections, and educational opportunities for women.
Argentina Jews: Jewish Identity in Latin America
Frags of the Chachapoya

Remembering the Chachapoya

Today the Chachapoya are remembered through the sites of their selected homes and structures, the few records of the early Spanish, and their burial tombs.

Some of the Chachapoya elite were preserved in effigies made of clay and grass that were beneath an overhanging rock in a cave that period known as the Ocoshamba Valley (Encyclopedia). Other Chachapoya elite were found in brightly painted chasquis or cairns. Most of these burial sites are marked with signs and markers which represent the social status of the Chachapoya ancestors.

The Chachapoya People

- Adriana von Hagen explained where the name for the Chachapoya came from, specifically to refer to the Chachapoya people.
- The meaning of the name is Chachapoya as a clan noted to be aligned with the Puebloans.
- Some is translated as cloud and only.
- Some is translated as cloud and only.
The Hundred Acre Wood
Psychiatric Hospital

Patient Files

Introduction

One in four people suffer from some form of mental illness in a given year. The World Health Organization says: We see the characters in our books as well.

When we were young, we went through our lives ignoring the fact that the characters in our favorite children's novels could be plagued by mental illness.

Meanwhile, deep within the Hundred Acre Wood, Christopher Robin and his friends have the key to a forest of drawn, they embark on exciting adventures, getting themselves into all sorts of trouble! At the same time, the world has thought of them as a young and happy group of kids.

In the end, people are often helped by the stories of the Hundred Acre Wood, Christopher Robin and his friends.

Reflections

In childhood, we are more accepting of open to behaviors that, in an adult, we may find abnormal, uncomfortable, or dangerous. And so we recognize the impact they may have on our future health, relationships, or quality of life.

The research shows that characters who support family, friends, and community can really help people with mental illness.

Diagnoses of mental illness within the characters is not as extreme as in the Pooh characters. However, they can be found in many other children's books.

Given the characters' flaws, one may be able to feel even more invested in the character itself.

Conclusion

Prognosis for all animals of the Hundred Acre Wood is good.

All symptoms are treatable with proper medication and medication regimes.

Given their issues, Christopher Robin and his friends remain friends and are able to thrive as a community.

Despite their characters' idiosyncrasies, they learn to help each other work through difficulties with humor and empathy.

Individuals with mental illness are able to function in society with the help and support of family and friends. Living a full life with an abundance of honey bees and haycows, with lots of rats to bounce.

Patient #2 Piglet

Diagnoses

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Works Cited

How Culture Around the 7th Century A.D. Created Standards for Islamic Women

Marriage

The Birth of Islam

The Quran

Treatment of Women in the Quran

Women Rights and Gender Inequality
"Man’s Best Friend" Dogs In Culture

Dogs have been assisting humans since domestication.

- Herding
- Assistance
- Protection
- Companion

Business has gone to the dogs.

Herding: Dogs are kept for herding and guarding livestock.

Assistance: Dogs have been used to assist with various tasks, such as guiding the blind or detecting drugs and explosives.

Companion: Dogs have been valued companions since ancient times.

Dogs and their impact on human culture:

The introduction of the dog world.
The Cultural Legacy of Asoka

Empires of the Sword

Missionaries as a Vehicle for the Spread of Buddhism

Shaper of the World

Great Controversy

Gandhian Legacy

Terror in Tibet

Death of the Dharma

Prehistoric Museums
RIO DE JANEIRO'S CARNIVAL AND ITS CONTRIBUTION

THESE:

- Samba Schools
- Samba
- Carnival History
- Carnival Education

Samba Schools

The carnival is organized by these institutions, which typically are educational institutions that offer a range of activities and programs. These schools perform for the community, providing entertainment and educational opportunities. The schools also sponsor various activities and events during the carnival, such as parades and performances.

Samba

Samba is a style of music and dance that originated in Brazil. It is characterized by its rhythmic beats and intricate footwork. Samba schools, which are a significant part of the carnival, perform elaborate and colorful parades featuring intricate dance routines and elaborate costumes.

Carnival History

The carnival dates back to the 19th century and is a cultural tradition that has evolved over time. It is celebrated with music, dance, and colorful parades, attracting millions of visitors from around the world.

Carnival Education

The carnival is an excellent opportunity to educate the public about Brazilian culture and history. It promotes cultural awareness and appreciation, providing a platform for individuals to learn about the rich heritage of Brazil.

Conclusion

The carnival has a significant impact on the Brazilian community, bringing people together and promoting a sense of unity. It is a reflection of the country's diverse culture and history, showcasing the vibrant and colorful aspects of its society.

ECONOMY BOOSTER

Carnival is an essential contributor to the Brazilian economy. It attracts millions of tourists annually, generating significant revenue for the country. The carnival provides a platform for businesses and artists to showcase their talents, promoting innovation and creativity.

- المؤتمر الدولي لبحوث الآثار والتاريخي 2023
- تستطيع تحديد موقع الرسمي للمرشدين في كندا
- تستطيع تحديد موقع الرسمي للمرشدين في كندا
- تستطيع تحديد موقع الرسمي للمرشدين في كندا