

SFU Alumni Pack 2013

Pack by Brittany Zenger, Geoff Zenger, Jo Soo, and Ross Harris

1.) In the Tale of Genji, the protagonist likens a lover removing a scarf to the molting stage of this insect. This largely underground insect spends most of life in a nymphal stage. It creates clicking sounds by the contraction of its exoskeleton, in contrast to the striation method used by crickets and grasshoppers. 2013 saw the end of a 17 year dormant stage this insect, with much of the eastern seaboard preparing for invasion that was eventually deemed underwhelming. For ten points, name this insect in the suborder Auchenorrhyncha (awk-ina-rinka), colloquially referred to as a locust.

Cicada

2.) In a 2006 French film about this topic, Audrey Tautou mentors a male protégé in this "occupation" that is predominantly practiced by women. A 2005 rap ditty about this topic samples Ray Charles' 1954 song "I got a woman". In the 2005 Kanye West single, lyrics feature the line, "18 years, 18 years, she got one of yo' kids, got you for 18 years". For ten points give the pejorative term for a typically younger person who cultivates a relationship with a wealthy benefactor in hopes of material or monetary gain.

Gold Digger accept equivalents (ie boy toy, sugar baby)

3.) Conceived by Stanford Engineer Debbie Sterling, and marketed as an engineering toy for girls, this pastel-coloured building set went from concept and prototype to store shelves following a successful 2012 Kickstarter campaign. It differs from conventional construction sets because of its literary component; a companion storybook in which users problem-solve virtual engineering problems faced by characters, using the tangible building components included in this product. For ten points, name this building toy that has a name similar to the titular flaxen-haired nemesis of an ursine trio.

Goldie Blox

4.) Published in 2010 by Little, Brown, and Company, this novel was shortlisted for both the 2010 Man Booker Prize and 2010 Governor General's Award. In an article in Macleans, the novelist cited the events of the horrific Fritzl imprisonment case as the inspiration for this work that may invoke feelings of claustrophobia. For ten points, name this novel by Emma Donogue which portrays the struggle of Jack and his young mother as they are confined in this titular space by a man they call Old Nick.

Room

5.) This phylum includes the subclass Hirudinea which contains the important species Hirudo medicinalis. Canadian exports of the species Eisenia fetida of the sub-class *Oligochaetes*, are a multimillion dollar industry. Members are covered by a *cuticle* that does not contain *cells* but is *secreted* by cells in the skin underneath, is made of tough, flexible *collagen* that does not molt. For ten points, name this phylum of segmented worms, from the Latin for little

rings.

Annelida (also accept Annelid)

6.) It took 32 years before this author saw her 1981 novel released as her first major film adaptation, starring Willa Holland as Davey, and Pink Power Ranger Amy Jo Johnson as her newly widowed mother. In 2012, the author admitted publicly to a battle with breast cancer, a fact that hits close to home for readers who along with the religiously conflicted character Margaret Simon, once chanted the phrase "We must, we must, we must increase our busts". For ten points, name this American Library Association's Banned Books List maker, who is best known for her coming of age novels "Summer Sisters", "Blubber", "Tiger Eyes" and "Are you there God, It's me, Margaret".

Judy **Blume**

7.) Officially (re)recognized as an official public holiday in Mainland China in 2005, this festival, also known as Duanwu, typically takes place on its namesake date, the fifth day of the fifth month of the Chinese Calendar. During this festival, celebrants often consume sticky rice dumplings called zong zi or guo zong to eat in commemoration of the suicide death of poet Qu Yuan. A highlight of this festival is this watercraft sport named after a legendary creature. For ten points name this spring festival, which was celebrated in Vancouver in 2013, with the 25th annual Rio Tinto Alcan race.

Dragon Boat Festival

8.) Born the second of four sons to an Iraqi Jewish family, his surname means "watchmaker" in Arabic. With his brother Maurice, he co-founded an advertising agency that promoted the Thatcher-lead Tory campaign with the slogan "Labour isn't working". His first purchase as an art collector was a work by minimalist artist Sol LeWitt, and by 2009, he had published a book titled: "My name is [redacted] and I am an artoholic. For ten points, name this namesake art gallery owner, who in June 2013, made headlines for a public altercation with his then wife, cooking show hostess Nigella Lawson.

Charles **Saatchi**

9.) In February 2010, this company filed a notice of intent with the **Surface Transportation Board** that it intended to abandon 375 km of track, between Madawaska and Millinocket. Formed in 2002 by **Rail World, Inc**, this company operates about 25 trains a day over 745 miles of track. CEO Edward Burkhardt has been villainized for his role in the decision to cut crews to one. For ten points, name the rail company at the centre of the Lac-Magantic disaster.

Montreal, Maine and Atlantic (also accept MMA)

10.) The world's 119th largest country, it is composed of four regions: the **Northern**, **Southern**, and **Eastern Provinces** and the **Western Area**, with a total area of 71,740 km. It has four distinct geographical regions: coastal **Guinean mangroves**, the wooded hill country, an upland **plateau**, and the eastern

mountains. The eastern region includes the country's highest mountain, [Mount Bintumani](#) at 1,948 meters. Bordered by [Guinea](#) to the north and northeast, [Liberia](#) to the south and southeast, and the [Atlantic Ocean](#) to the west. For ten points, name this West African country with its capital at Freetown.

Sierra Leone

11.) King Vira Alakeshwara of [Ceylon](#) was held captive by this explorer and taken back to court to apologize for perceived slights against his mission. Long neglected in official histories, Liang Qihao's 1904 book "Biography of Our Homeland's Great Navigator" reignited interest in this eunuch. A coin found on the Kenyan island of Manda dating from the reign of the Yongle Emperor has provided tantalizing evidence he may have reached the African coast. He made seven journeys exploring the Indian Ocean between 1405 and 1433. For ten points, name this early fifteenth century admiral and explorer.

Zheng He (also accept Cheng Ho)

12.) Although not drafted until the 8th round of the 1981 NHL draft by the St. Louis Blues, this defenceman played in the NHL over parts of two seasons, ultimately amassing 42 games played and 7 points in the NHL. Retooling himself as a coach, he turned to the QMJHL, and eventually won the QMJHL coach of the year award in 1988 as the coach of the league champion Hull Olympiques. For ten points, name this current coach of the New York Rangers, reknowned giggler, and winningest coach in Vancouver Canucks history.

Alain Vigneault

13.) With the founding of this government in August 1919, its nations flag was changed for the second time to the black, red, and gold tricolour that it has once again today. Its first president was Friedrich Ebert, and last was Paul von Hindenberg, and it is generally deemed to have ended with the passage of the Enabling Act of March 1933. Named for the city in which its constitution was drafted, for ten points, what is the common name for the interwar German state up until the founding of Hitler's Third Reich?

Weimar Republic

14.) "I want the fucking Indians out of my park". These were the words then Ontario premier Mike Harris was alleged to have uttered in the days preceding the police shooting of an unarmed Dudley George. Lasting a mere 3 days in September 1995, the effects of this crisis would linger until mid 2007, when it was found that Mike Harris, the federal government, and the Ontario Provincial Police bore all responsibility leading to the death of George. For ten points, what was this ultimate result of a long simmering land-claims dispute named after the provincial park in which it took place.

Ipperwash Crisis

15.) This man served as representative for New York's 9th congressional district from 1999 until June 2011, and since resigning has occasionally gone by the name of "Carlos Danger". Married to Huma Abdelin since mid 2010, he doesn't believe that he's "had any more than three" sexual relationships since

resigning from Congress two years ago after photos of his namesake body part were leaked online. For ten points, name this disgraced serial sexting former congressman and current New York City mayoral candidate.

Anthony Weiner

16.) This man's PhD thesis was heavily influenced by fellow RAND Corporation employee, Harry Markowitz, who filled the role of his unofficial doctoral advisor. His thesis discussed a single factor model of security prices. Slightly less well known for his research on the binomial method of option pricing, this economist is best known for his contributions to the development of the Capital Asset Pricing Model. The ratio of the excess return of a security or portfolio to the standard deviation of the returns is named after him. For ten points, who is this economist who won the Nobel Prize in economics in 1990?

William Forsythe Sharpe

17.) Taking her stage name from an artist known for monochromatic artwork featuring aliens and UFOs, this Lord Byng alumna began to experiment with music production whilst studying at McGill University. In May 2011, she opened for Lykke Li on her North American Tour. By 2012, this artist had released her third full length LP entitled, "Visions" featuring the song "Oblivion". FTP name this Canadian musician, who in 2013, was awarded a Juno Award for Electronic Album of the year.

Grimes also accept Claire Boucher

18.) Although the playwright of this work wrote it in English, a German translation was performed at the Hofburg Theatre in Vienna in October 1913, almost six months before it premiered in London. The name of this play originates in Greek myth, and is named for a sculptor who fell in love with the statue he carved. For ten points, what is this play, the most most popular one written by George Bernard Shaw, that was the primary inspiration for the 1956 musical, *My Fair Lady*?

Pygmalion

19.) The *casus belli* cited by the aggressor in this conflict was the shelling of a border post in the village of Mainila, though this was later shown to have been staged. A more proximate cause of the conflict was the signing of the Molotov-Ribbentrop Pact, which placed the defending country in the Soviet Union's so-called sphere of influence. The defenders in this conflict were massively outgunned and outnumbered, but managed to inflict four times the casualties upon the Soviets during the 105 day duration of this conflict. For ten points, what is this war between the Soviet Union and Finland named for the season in which it occurred?

The Winter War

20.) The seventh largest island in the world, the Tsugaru Strait lies to its north, and the Kanmon Strait lies to its south west. Almost half of its population resides in its Kanto region, which is home to the Tokyo and Kanagawa regions, among others. 1300 km long, and with its highest point at Mt. Fuji, it is also the second most populous island in the world. For ten points, name this largest island of Japan.

Honshu

21.) The plot of this novel can be summarised as follows: An older woman and her younger friend travel to Italy, where the older woman falls in love with a Italian younger man. Meddling family tries to stop the couple from getting married. The couple get married anyways, but the wife dies in childbirth. Concerned with appearances, the meddling family tries to bring the child home to be raised in England. The meddling male relative falls in love with the younger friend, but they can never be together because she's in love with her dead friend's Italian husband. For ten points, name the novel that was adapted into to 1991 British dramatic film of the same name, and that in 1905 was the first novel written by E.M. Forster?

Where Angels Fear to Tread

22.) The name of this element comes from the Greek word for unstable. In the Earth's crust, this element is the least abundant of the non-transuranic elements. The scarcity of this element can be attributed to the short half-lives of all six of its main isotopes, none of which is longer than 12 hours. It generally decays into bismuth or polonium. For ten points, what is this element with atomic number 85 that is the heaviest of the halogens, and that has the symbol At?

Astatine

23.) In this story, a cynical boy meets a girl with the ability to warp and remake reality to fit her desires, but she is unaware of it. Unknowingly, three years prior she warped reality such that aliens, time travellers and espers all exist. The boy, the girl, an alien, a time traveller, and an esper all join a school club. Over the course of the story, the secret identities of the latter three are revealed to the boy, and he learns that they each are pursuing agendas that involve keeping the girl oblivious. First released as a light novel in Japan in 2003, wider popularity came with a eponymous 14 episode anime adaptation by Kyoto Animation in 2006. It has subsequently spawned a series of spin-offs including a movie. For ten points, name this story, named for the girl and her mood?

The Melancholy of Haruhi Suzumiya or Suzumiya Haruhi no Yūutsu

24.) Currently commercially supported by Typesafe Inc, this this mixed functional and imperative programming language was developed by Martin Odersky. Differentiating features of this language include its support for

case classes, a unified type system, and built in parallel collections APIs. It can be compiled to .NET bytecode, although most commonly it is compiled to Java bytecode, and is often viewed as the logical successor to Java. For ten points, what is this decade old programming language, famously adopted early on by Twitter, and named for being a "scalable language"?

Scala

1.) [VISUAL BONUS 1] Please refer to the attached images in order. Each image shows a formula for the probability mass function of a discrete probability distribution. For ten points each, give the name of each probability distribution.

A: **Geometric** distribution

B: **Binomial** distribution

C: **Hypergeometric** distribution

2.) Six Space Shuttle orbiters were intended for space flight.

[5] For five points, name the two orbiters that were destroyed in accidents.

Challenger and **Columbia**

[5-5-5] For five points each, name the other three orbiters that entered regular service.

Discovery, **Atlantis**, and **Endeavour**

[15] For fifteen points, name the first full scale prototype, initially intended to be refitted as a functioning orbitor.

Enterprise

3.) [VISUAL BONUS 2] For 5-10-15: Provide the number of each of the following Indian states, as identified on the accompanying map:

[5] Punjab - Home to 27 million people and the Golden Temple located in Amritsar.

21

Uttar Pradesh - Comparable in population to Brazil at 199 million, with its administrative capital at Lucknow.

26

Maharashtra - Similar to Mexico's population at, 112 million people and home to Bollywood (Mumbai).

15

4.) Identify the notable Roman emperors. Ten points on the first clue, five

points if you need the years of their reign.

A1: This emperor was the last of the Severan dynasty. His assassination in a legionary mutiny at age 26 marked the beginning of the Roman crisis of the 3rd century.

A2: 222-235 AD

Marcus Aurelius Severus Alexander (also accept Alexander Severus)

B1: The first of the "five good emperors," this man was elected emperor by the Senate after the assassination of Domitian.

B2: 96-98 AD

Marcus Cocceius Nerva

C1: The last member of the Constantinian dynasty, this emperor attempted to restore the role of paganism in the empire. He also tried to have the Temple in Jerusalem rebuilt. He died on campaign against the Persians.

C2: 360-363 AD

Flavius Claudius Julianus (also accept Julian the Apostate)

5.) Non-verbal communications can be indispensable during international travel, but certain gestures and body language are easily misinterpreted. Given the meaning from two different cultures, please demonstrate the gesture.

[10] This sign of victory in Greece and peace in France is considered an insult to those living in Britain and Australia

Backwards Western "Peace sign" (index and middle finger held up with palm facing in)

[10] Seen as a symbol of protection in Malta, Italy, and South America, in the United States, it is often presented in support of the Texas Longhorns, or a band that is righteously "rocking out"

Index and pinky pointed up, palm facing out

[10] Often seen as a gesture of acceptance in Europe and North America, in Turkey it is considered a homophobic insult and vulgar in Latin America.

The "OK" sign (thumb and forefinger connecting in a circle, while other 3 fingers are held straight in a "K" formation)

6.) For ten points each, answer the following questions relating to nuptials in Canada.

[10] Arguably considered the unholy union of 2013 this side of the 49th parallel, for ten points, name both this Napanee Skater Grrl, and her new "Rockstar" husband, who is 10 years her senior.

Avril **Lavigne** and Chad **Kroeger** (do not accept "that guy from Nickelback")

[10] For ten points, name both this former "Popular Mechanics for Kids" hostess turned "Girl Next Door" and her Hockey hunk husband, as of July 19, 2013, the current captain of the Toronto Maple Leafs.

Elisha **Cuthbert** and Dion **Phaneuf**

[5,5] In 2005, Canada became the first country outside of Europe to legalise same-sex marriage. For five points each, name any 2 states that border Canada, where as of July 2013, it is legal, or pending legality, to marry a same-sex partner.

Washington, Minnesota, New York, Vermont, Maine, New Hampshire

7.) For ten points each, answer the following question about a Canadian author

[10] Born in Port Alberni, for ten points, name this Canadian children's author who is best known for his trilogy about silverwing bats.

Kenneth **Oppel**

[10] In 2011, the Canadian Library Association's Book of the Year named Oppel's novel about young boy, who at 13 years of age, becomes the sibling to a chimpanzee.

which was named the Canadian Library Association's Book of the Year for 2011 . In this work, **Half Brother**

[10] From 1995 to 1996, Oppel was an editor for this trade magazine for the Canadian publishing industry.

Quill and Quire

8.) For ten points each, answer these questions about an upcoming election in an African country.

A: What is this African country that is holding presidential elections on July 31, 2013.

Zimbabwe

B: Who is the incumbent president of Zimbabwe who has remained in power by hook and by crook since 1987?

Robert Gabriel **Mugabe**

C: In 2008, Robert Mugabe's ZANU-PF party and this main opposition party reached an agreement to share power after a disputed election. What is this main opposition party?

Movement for Democratic Change Zimbabwe (or **MDC**)

9.) For ten points each, answer the following questions about writers who used pseudonyms.

[10] On July 15, 2013, Harry Potter authoress J. K. Rowling was unmasked as the true writer behind the recently acclaimed detective novel "The Cuckoo's Calling. For ten points, what name did she use for her alter ego, a supposed former officer for the Royal Military Police.

Robert **Galbraith**

[10] Originating from a tribute to the characters of the Twilight novels, EL James's Fifty Shades trilogy is coincidentally on its 69th week running on the NYT trade paperback best seller's list for the week of July 21st, 2013. For

ten points, what do the initials EL stand for?

Erika Leonard

[10] Born with the name Howard Allen Frances O'Brien this author began their career writing gothic vampire fiction, before turning toward a more religious bent in the mid-2000s. For ten points name this author.

Anne **Rice**

10.) For the stated number of points, answer the following questions about the October 12, 2012 art heist from the Kunsthall Museum in the Netherlands.

[10] For a quick ten points, name the city in which the Kunsthall is located

Rotterdam

[10] name this stolen Gauguin painting that features a young woman wearing a red hat in front of this titular household feature.

Girl in front of Open Window or accept **La fiancée** or **Femme devant une fenêtre ouverte**

[5,5] For five points each, name two Monet paintings depicting bridges that were also stolen from the museum.

Charing Cross Bridge, London and **Waterloo Bridge, London**

11.) For the stated number of points, identify the authors of the following books, all of whom were in the same family.

[5] Jane Eyre

Charlotte Bronte

[5] Wuthering Heights

Emily Bronte

[10] Villette

Charlotte Bronte

[10] The Tenant of Wildfell Hall

Anne Bronte

12.) In dubious honor of cable drama Breaking Bad's return from winter hiatus, for ten points each, please answer the following questions about crystal methamphetamine.

[10] As of 2005 in Canada, The RCMP is including meth in this section of Canada's Controlled Drugs and Substances Act.

Class A or **Schedule 1**

[10] Production of meth is especially dangerous because of this colourless, flammable, and toxic gas. For ten points, give the common name for the substance with molecular formula PH₃.

Phosphine gas or accept **Phosphane** gas and other equivalents

[10] For ten points, give the name of an American ADHD and obesity medication trademarked by Danish pharmaceutical company Lundbeck.

Desoxyn

13.) Burning things for science is always fun. Do you remember your elemental flame tests? For ten points each, identify the element.

[10] This element produces an intense yellow color but the test is so sensitive that contamination may give a false positive.

Sodium

[10] The azure color is accompanied by the characteristic odor of rotting radishes.

Selenium

[10] The blue color is accompanied by the characteristic odor of garlic.

Arsenic

14.) For ten points, name these unfortunate folks executed for being heretics.

[10] In 1536, this English scholar met an untimely end for his role in translating the Bible into English. His work formed the basis for the later King James Version.

William **Tyndale**

[10] In 1556, this Archbishop of Canterbury who served under three monarchs was a principal architect of the English Reformation died a heretic.

Thomas **Cranmer**

[10] In 1536, this Tyrolean Anabaptist leader was sentenced to death by fire. His namesake followers practice a communal lifestyle, with hundreds of colonies in Canada.

Jacob **Hutter**

15.) Answer these questions about the famous Parisian sculptor Auguste Rodin.

[5] This statue sits, toes curled, elbow on meaty thigh, mouth obscured by the back of a partially open hand.

The Thinker

[10] The Thinker is a detail in this piece Rodin worked on over four decades to his elaborate project an unfinished portal for a museum that was never built.

Gates of Hell

[15] This group statue depicts six men. Each is isolated from his brothers,

individually deliberating and struggling with his expected fate of impending death.

The Burghers of Calais

16.) On May 6, 2013, three women escaped from more than ten years captivity in a basement dungeon. For ten points each, provide details about this case.

[10] Originally arrested with his two brothers, this man is accused of being the sole captor of the three women.

Ariel Castro

[10] Ariel Castro has been arraigned on a string of charges including kidnapping, rape, and aggravated murder. Within 10%, how many individual counts has he been charged with?

977 (accept 879 - 1074)

[5-5] For five points each, name any two of the women Ariel held.

Amanda **Berry**, Gina **DeJesus**, and Michelle **Knight**

17.) For ten points each, answer the following questions about the Iraq War.

[10] When it first started on March 20, 2003, this was the initial operational codename for the American involvement in Iraq

Answer: Operation **Iraqi Liberation**

[10] After it was pointed out that the original acronym for their involvement spelled "oil", the operation was renamed to this

Answer: Operation **Iraqi Freedom**

[10] Effective September 1, 2010, the operation was once again renamed to this in order to reflect the reduction of US troops in Iraq

Answer: Operation **New Dawn**

18.) For ten points each, identify the modern European Country given one of its historic names.

[10] Confederatio Helvetica [sic]

Answer: **Switzerland**

[10] Batavian Republic

Answer: **Netherlands**

[10] Bohemia

Answer: **Czech Republic**

19.) For ten points each, answer the following questions about a certain Canadian province.

[10] Spun off from the North-West Territories, this was the westernmost of the two provinces that joined Canada in September 1905.

Answer: **Alberta**

[10] Believing that the government should give everyone \$25 / month, this man, also known as Bible Bill, was the premier of Alberta from September 1935 until May 1943.

Answer: William **Aberhart**

[10] This is the name of the political movement started by Bill Aberhart and continued by his protege and Alberta's longest serving premier, Earnest Manning

Answer: **Social Credit** (prompt on SoCred)

20.) You have been given a picture of 6 Chinese Zodiac Animals. Assuming the Rat is the in the first animal position, for five points each, match each of these 6 animals to their correct corresponding position in the 12 animal rotation chart below.

[chose 6 animals randomly and place into an envelope, best not to choose rat.]

1.	2.	3.	4.	5.	6.
7.	8.	9.	10.	11.	12.

Answer Key:

1. Rat	2. Ox	3. Tiger	4. Rabbit	5. Dragon	6. Snake
7. Horse	8. Goat	9. Monkey	10. Rooster	11. Dog	12. Pig

21.) For ten points, name the Satan themed glam metal track from their opening lyrics. 5 points if you need the band's name.

Lyrics

"I live my life like there's no tomorrow
And all I've got I had to steal
Least I don't need to beg or borrow
Yes, I'm living at a pace that kills"

Artist: Van Halen

Runnin' with the Devil

Lyrics

He's the wolf screaming lonely in the night

He's the blood stain on the stage
He's the tear in your eye
Been tempted by his lie
He's the knife in your back
He's rage

Artist: Motley Crue
Shout at the Devil

Lyrics
Well, speak of the devil,
He's no friend of mine,
To turn from him is what we've got in mind.

Artist: Stryper
To Hell with the Devil

22.) Place the following royals into their relative order in the line of succession to the British Throne. You will receive five points for each name answered in its correct position.

The Princess Royal
The Prince of Wales
The Earl of Wessex
Prince George of Cambridge
The Duke of York
The Duke of Cambridge

Answer: The **Prince of Wales**, The **Duke of Cambridge**, **Prince George of Cambridge**, The **Duke of York**, The **Earl of Wessex**, The **Princess Royal**

A:

$$\Pr(X = k) = (1 - p)^{k-1} p$$

B:

$$f(k; n, p) = \Pr(X = k) = \binom{n}{k} p^k (1 - p)^{n-k}$$

C:

$$P(X = k) = \frac{\binom{K}{k} \binom{N-K}{n-k}}{\binom{N}{n}}$$



