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## Technophobia 2000!

### Tossups by UC Irvine (Willie Chen, Jun Tokeshi, Ian Nieves, Mat Kladney, and Doug Hill)

1. In contrast to the sonata, which was written to be played by an instrument, it was written to be sung and had two main styles: *da chiesa* [key-AY-sa] and *da camera*. Developed in Italy in the 17<sup>th</sup> century, this musical form relied more on solo vocalists and instruments than on large choruses. Not quite as long as an oratorio, it extended the motet by telling a larger Biblical story. J.S. Bach wrote over 200 of them, one for every Sunday service. For 10 points--identify this musical form, whose secular version included one for *Peasant* and another for *Coffee*.

answer: *cantata*

2. In the final moments of the work, the title character commits suicide by ripping apart his stomach, but he is saved and sewn back together, only to be tried, found guilty by the English colonists, and dismembered. Written as a firsthand account of an incidence in the New World, this early novella begins with the disclaimer: "I do not pretend, in giving you the history of this Royal Slave, to entertain my reader with adventures of a feigned hero." For 10 points--identify this pioneering 1688 work by Aphra Behn.

answer: *Oroonoko; or, the Royal Slave*

3. This island and its neighboring mainland coast were home to the *Ta-pen-keng* culture, known for its distinctive, decorated pottery. Home to three of the four subfamilies of Austronesian languages, this island may have been the springboard of the Austronesian expansion that brought Asians to islands from Easter Island to Madagascar. For 10 points--identify this island, whose major dialects include Hakka and Amoy and whose official language is Mandarin.

answer: Taiwan

4. It consists of four different colors of dye, a laser, and a computer. Each kind of dye is chemically attached to a specific kind of nucleotide. The laser then reads the color of the dye, which in turn is downloaded to a computer. The computer then decodes each color into the corresponding nucleotide. For 10 points--what is this revolutionary biotech machine that recognizes patterns in a given strand of DNA?

answer: Hood DNA Sequencer

5. The last major battle fought in this town occurred in 1761. It saw an Afghan-Hindu army defeating the Mahrattas. Two previous battles at the same site were part of the Moghul struggle for dominance. In 1526, the first battle opened the way for the Moghul dynasty. The second battle, fought in 1556, confirmed Akbar as emperor. For 10 points--what is this town 75 miles north of Delhi, India?

answer: Panipat

6. Like Galileo, he postulated that the moon possessed mountains and valleys. Like Thomas Paine, he was a Deist, speculating that an omniscient intelligence, or *Nous* [NO-us], permeated the Universe and was responsible for order and first causes in nature. He was charged with impiety for stating that that the sun is an enormous red-hot stone somewhat larger than the Peloponnesus. For 10 points--identify this freethinking philosopher and friend of Perikles.

answer: Anaxagoras

7. Its name originated from the leaves of the taro plant, which was extended to any dish containing such leaves. Today, the term is applied to a dinner at which is served dishes like marinated raw salmon, mashed taro root, baked sweet potatoes, and pork covered in ti leaves. For 10 points--dancing and singing accompany the eating of lomilomi, poi and an entire pig baked in an underground oven at what Hawaiian banquet?

answer: luau

8. In this movie, the main character and his wife are played by the real-life couple Geoffrey Rush and Jane Menelaus. Set in an insane asylum after the French Revolution, the film features Joaquin Phoenix as a humane abbé and Kate Winslet as a sympathetic laundress. The central character is obsessed with telling and writing erotic stories, which cause quite a storm inside the asylum. For 10 points-- what is this upcoming movie about the real-life pornographic raconteur, Marquis de Sade?

answer: Quills

9. The magicians Penn and Teller first met one another at a performance by this man, who has appeared on NOVA and the Tonight Show. The author of books such as *Flim-Flam* and *The Faith Healers*, he was a founding fellow of CSICOP, the Committee for the Scientific Investigation of Claims of the Paranormal. For 10 points--name this arch-nemesis of Uri Geller who will pay \$1 million for a convincing demonstration of psychic abilities.

answer: James Randi

10. A familiar Shakespearean example of this figure of speech is Marc Antony's speech in Julius Caesar where he asks of his audience, "Lend me your ears." Using this specific type of metaphor, one might also say "I'm studying Shakespeare," when one is in fact studying Shakespeare's works, or that "the White House denied the Monica Lewinsky affair," as the White House is closely related--but not physically attached to the President. Not to be confused with synecdoche [si-NEK-duh-key]--for 10 points--identify this literary device, whose name is Greek for "change of name."

answer: metonymy

11. Related to *chiaroscuro*, this painting technique generates atmospheric effects, especially when painting facial features, requiring the artist to make subtle gradations of light and shadow without using lines or borders. Often used by Leonardo da Vinci and his followers--for 10 points--what is this technique of fine, soft shading, whose name comes from the Latin for "smoke?"

answer: sfumato

12. Her 1992 historical novel, *The Living*, is set in the Pacific Northwest. She recounted her writing experience in the nonfiction book, *The Writing Life*, and has also published a book of poetry, *Tickets for a Prayer Wheel*. Her best-selling work is the 1987 memoir, *An American Childhood*. For 10 points--name this writer who drew upon her life in Virginia's Roanoke Valley in her 1974 Pulitzer Prize-winning nonfiction, *Pilgrim at Tinker Creek*.

answer: Annie Dillard

13. This was the site of a battle circa 1479 BCE where the Egyptians, under Pharaoh Thutmose III, defeated a league of Canaanite cities. Fighting under Pharaoh Necho in 608 BCE, the Egyptians won another victory here, this time against the Assyrians, in which Assyrian ally King Josiah of Judah was also killed. But this place may be most famous for a battle that never happened. For 10 points-- identify this site, whose alternate name, Armageddon, was used by John of Patmos to describe a mythic battle between good and evil.

answer: Megiddo (prompt on: Armageddon before mentioned)

14. Designed for portability, this European delicacy was cooked, then sun-dried, then packed into bags of sheep stomach. To eat, the dried portions were reconstituted with boiling water. The Szekely [SHET-kuh-lee] variety includes pork, sauerkraut, tomatoes, onions, caraway seeds, and sour cream. The Kettle variety includes lard-fried mutton or beef, plus garlic, tomatoes, green peppers, and potatoes. The modern recipes call for the addition of paprika. For 10 points--what is this food of Magyar shepherds, the traditional stew of Hungary?

answer: goulash

[Do not accept "haggis." No food in Scottish cuisine is required to be "sun-dried."]

15. Trained in astronomy and calendar making, he believed that history was a didactic subject and that it should

teach moral lessons and reveal a society's values. He also believed that Heaven mandated each dynasty with a wise first ruler, but withdrew the mandate after an inevitable increase of corruption and injustice. Sentenced to be castrated for defending a general, For 10 points--identify this Grand Historian of the Han Dynasty, who explained his theory of dynastic decline in *Shih Chi*, or *Historical Record*.

answer: \_Ssu-ma\_ Chien (or \_Sima\_ Qian)

16. This seven-volume work offers an account of ancient European religions, including the Celtic and Germanic deities. It was also one of the earliest books on military strategy, and it caused a sensation in Rome when Julius Caesar first published it in 52 BCE. For 10 points--identify this book that recounts Caesar's long struggle against the army of Vercingetorix during his conquest of Gaul.

answer: \_De Bello Gallico\_ or \_On the Gallic War\_ (accept: The \_Gallic War\_s)

17. When, in an opium-induced state, he confessed his desire to create ballets to Sergei Diaghilev, Diaghilev urged him to "Surprise me," which he did in such experimental works as *The Ox on the Roof*, with music by Darius Milhaud, and *Parade*, with music by Erik Satie. His novels include *Les enfants terribles* and *The Infernal Machine*, but--for 10 points--what Parisian avant-garde is best remembered for two surrealist films: *Beauty and the Beast* and *Orpheus*?

answer: Jean \_Cocteau\_

18. Two answers are acceptable: When the father of King Midas first stepped into Phrygia, he was merely a farmer. However, the townspeople were looking for a king who--an oracle had said--would arrive in a wagon. Then, he tied the wagon to the oracle's temple. Legends said whoever could untie it would become King of Asia. Alexander the Great tried it, failed, then chopped it with his sword. For 10 points--identify either the prophesied king or his namesake knot.

answer: King \_Gordus\_ or the \_Gordian\_ Knot

19. This poem mentions Ecbatan, Persia, Kermanshah, Baghdad, Palmyra, Lebanon, Crete, Sicily, Spain, and Africa. In the third line, the word "always" becomes a noun, reinforcing the theme of night's encroaching shadow across the globe. The poem ends with the lines "And here face downward in the sun? To feel how swift how secretly? The shadow of the night comes on . . ." For 10 points--what is this highly anthologized 1930 poem by Archibald MacLeish, whose title is an apostrophe to the poet of "To His Coy Mistress"?

answer: \_You, Andrew Marvell\_

20. Appropriately dubbed "Hell" by the late astronomer Carl Sagan, it exhibits enormous surface pressure and a surface temperature which can exceed the melting point of lead. Its atmosphere goes through periods of *super-rotation*, in which the atmosphere rotates faster than the planet itself. For 10 points--identify this planet with yellow tropospheric clouds composed of sulfuric acid, much in contrast to its namesake Roman goddess of beauty.

answer: \_Venus\_

## **Technophobia 2000!**

### **Bonuses by UC Irvine (Willie Chen, Jun Tokeshi, Ian Nieves, Mat Kladney, and Doug Hill)**

1. One of these two daughters of Pandion, King of Athens, married Tereus, King of Thrace, who raped the other and cut off her tongue. When one sister realized the fate of the other through her embroidery, she killed Tereus's son Itys and cooked him in a meal to feed Tereus.

A. For 5 points each--what were the names of these two tragic sisters?

answers: **Philomela** (or **Philomel**) and **Procne**

B. For 5 points each--Philomela and Procne were turned into what two types of birds? One seems to chirp without a tongue and the other sings sadly under the moonlight.

answers: **swallow** and **nightingale**

C. For 10 points--William Shakespeare drew upon the story of Philomela and Procne in which bloody revenge tragedy that ends at a banquet of human meat pie?

answer: **Titus Andronicus**

2. 30-20-10. Name the writer from clues:

A. Largely inspired by the bloodshed and chaos of World War II, this author and journalist for *Time* magazine wrote a well-researched account of the Warsaw ghetto uprising in the 1950 novel, *The Wall*.

B. Born in Tianjin, China to American missionary parents, he served as secretary for Sinclair Lewis and wrote nonfiction accounts of World War II.

C. Set in an Allied-occupied Sicilian village, his first novel, *A Bell for Adano*, garnered him the 1945 Pulitzer Prize.

Answer: John **Hersey**

3. Peru and its political turmoil have been in the news recently. Answer these questions on Peru for the stated number of points each:

A. (5) In July 2000, this man, who has been president for over a decade, promised to hold elections next year in which he would not be a candidate. For 5 points, name him. Answer: Alberto **Fujimori**

B. (5) In the mid-1990s, Fujimori was very popular in Peru, due to his economic policies and because he had largely crushed this Maoist guerilla movement. For 5 points, name it.

Answer: **Shining Path** or **Sendero Luminoso**

C. (10) For 10 points, In May 2000, Fujimori claimed victory over this man, the son of an Andean peasant, who rose from being a former shoeshine boy to become a Harvard-educated World Bank economist. The election was widely criticized as being tainted by fraud.

Answer: Alejandro **Toledo**

D. (10) In October 2000 Fujimori faced further scandal--and possibly a military coup--because of the outcry over his former spy chief, who had been videotaped brazenly bribing an opposition politician. For a final 10 points, name

him.

Answer: Vladimiro Montesinos

4. Name these Nobel Prize laureates in Physics given the year and motivation, for the stated number of points:

A. For 5 points: for his prediction of the existence of mesons on the basis of theoretical work on nuclear forces.

answer: Hideki Yukawa

B. For 10 points: either winner in 1999 for "elucidating the quantum structure of electro-weak interactions in physics."

answer: Gerhardus 'T Hooft or Martinus Veltman

C. For 15 points: 1995 "for the detection of the neutrino," and with Martin Perl for "pioneering experimental contributions in lepton physics."

answer: Frederick Reines (á la UC Irvine)

5. Answer the following questions about superlative deserts, for the stated number of points:

A. For 5 points--between 1570 and 1971, no rainfall was recorded in what Chilean desert, making it the driest place on Earth?

answer: Atacama Desert

B. For 10 points--the hottest surface temperature ever recorded, 136 degrees Fahrenheit, was at Al-Aziziya in what Northern African nation?

answer: Libya

C. For 15 points--the lowest surface elevation on Earth is by the Dead Sea, located in what arid Israeli region?

answer: Negev Desert

6. You think you're a baseball fanatic? Try answering these obscure baseball questions--for 10 points each:

A. Who caught Mark McGwire's record-breaking 62<sup>nd</sup> home run and immediately gave it back to Mark?

answer: Tim Fornieris

B. She broke the gender barrier in baseball by becoming the first woman to play in the minor leagues, but she called it quits in July 2000. Name this left-handed pitcher.

answer: Ila Borders

C. Who is the all-time saves leader in a single season for the Detroit Tigers?

answer: Bobby Thigpen

7. Identify the gay dramatists who wrote the following plays that feature prominent gay characters, 5-10-15:

A. For 5 points--*Angels in America: Millennium Approaches* and *Angels in America: Perestroika*

answer: Tony **Kushner**

B. For 10 points--*Love! Valor! Compassion!* and *Corpus Christi*

answer: Terrence **McNally**

C. For 15 points--*Beautiful Thing*--both the stage play and the screenplay

answer: Jonathan **Harvey**

8. Ethanol only has one real use today. I'll name the ingredients in an ethanol containing drink, you name the drink on a 5-10-15 basis:

A. For 5 points--Orange Juice, Vodka

answer: **Screwdriver**

B. For 10 points--Rum, Curaçao, Sugar Syrup, Orgeat Syrup, Lime Twist, Pineapple Stick

answer: **Mai Tai**

C. For 15 points--Vodka, Melon Liqueur, Raspberry Liqueur, Pineapple Juice, Cranberry Juice

answer: **Sex on the Beach**

9. For 10 points each--identify these Manhattan Project scientists from some of their other contributions:

A. This Cornell physicist formulated the equations that describe the fusion reactions that power the stars.

answer: Hans **Bethe**

B. This Hungarian mathematician devised the serial processing scheme used by most computers to process data.

answer: John **von Neumann**

C. This late Caltech physicist identified the O-rings as the weak link in the Challenger disaster.

answer: Richard **Feynman**

10. For 10 points each--name these freethinkers:

A. This Neoplatonist philosopher and mathematician was hacked to death by followers of Cyril, the bishop of Alexandria, for refusing to convert to Christianity.

answer: **Hypatia**

B. This poet was expelled from Oxford University for writing *The Necessity of Atheism*.

answer: Percy Bysshe **Shelley**

C. She was sentenced to death by the mullahs of Bangladesh for writing *Shame!*, in which she denounced atrocities committed by Muslims against Hindus in Bangladesh.

answer: Dr. Taslima **Nasrin**

11. For 10 points each--identify these staples of a molecular biologist's tool chest:

A. These circular bacterial chromosomes are used as vectors for synthetic DNA fragments.

answer: **plasmids**

B. These enzymes are used to cut plasmids at specific locations in the plasmid base sequence.

answer: **Restriction** Endonucleases or **Restriction** Enzymes

C. These enzymes are used to incorporate artificial DNA fragments into plasmids at the sites cut by the restriction endonucleases.

answer: **ligases**

12. For 10 points each--identify these prominent early jazz musicians:

A. Born Ferdinand La Menthe, this New Orleans pianist carried a gun, was arrested by mistake in Mississippi for a mail-train robbery, and escaped from a chain gang. The leader of the Red Hot Peppers, he infused ragtime-blues jazz with Latin rhythms.

answer: Jelly Roll **Morton**

B. Moving to Chicago from New Orleans, this "world's greatest jazz cornetist" and his Creole Jazz Band played such classics as "Dippermouth Blues." His most famous protégé was Louis Armstrong.

answer: Joe "King" **Oliver**

C. This singer of "Down-Hearted Blues" and "Weepin' Willow Blues" may have survived a 1937 car crash if a white-managed hospital hadn't refused to admit her. Her grave in Sharon Hill, Pennsylvania remained unmarked until Janis Joplin, John Hammond and others emplaced a headstone there.

answer: Bessie **Smith**

13. For 10 points each--name the war from battles. If you need the years of the war, you'll get 5 points:

A. 10: Magdeburg, Breitenfeld, Nördlingen

5: 1618-1648

answer: **Thirty Years** War

B. 10: Narva, Lesnaya, Pruth River

5: 1700-1721

answer: **Great Northern** War or **Second Northern** War

C. 10: Poitiers, Orléans, Patay

For 5 point: 1337-1453

answer: **Hundred Years** War

14. 30-20-10. Identify the novel from quotations:

A. "The oldest man in our room is Lewandowski. He is forty, and has already lain ten months in the hospital with a severe abdominal wound."

B. "Kemmerich will stay dead whether she knows about it or not. When a man has seen so many dead he cannot understand any longer why there should be so much anguish over a single individual."

C. "Am I crying? I put my hand to my eyes, it is so fantastic, am I a child? Smooth skin;--it lasts only a second, then I recognize the silhouette of Kaczinsky. The old veteran."

answer: **All Quiet on the Western Front** or **Im Western Nichts Neues**

15. Given some key proponents of a political movement in 19<sup>th</sup>-century Europe, identify the movement, for 10 points each:

A. Michael Bakunin and Prince Kropotkin of Russia

answer: **Anarchism**

B. Charles Kingsley and Frederick Maurice [MORRIS] of England

answer: **Christian Socialism** (prompt on "Socialism")

C. Robert Owen of England and Charles Fourier of France

answer: **Utopianism** or **Utopian Socialism** (prompt on "Socialism")

16. For 5 points for one, 10 for two, 20 for three or 30 for all four identify the composers of the following symphonies:

A. *Eroica*, number 3 in E flat Major

answer: Ludwig von **Beethoven**

B. *Rhenish Symphony*, number 3 in E flat Major

answer: Robert **Schumann**

C. *Romantic Symphony*, number 4 in E flat Major

answer: Anton **Bruckner**

D. *Symphony of a Thousand*, number 8 in E flat Major



answer: Gustav **Mahler**

17. Identify these early mathematicians, for 10 points each:

A. This 9<sup>th</sup>-century Muslim's *Book on Integration and Equation* introduced Arabic numerals and the concept of algebra into European mathematics.

answer: Muhammad Ibn Musa **al-Khwarizmi**

B. This 12<sup>th</sup>-century Englishman translated al-Khwarizmi's tables, did research on the abacus, and wrote on the astrolabe. He is most widely known for his translation of Euclid's *Elements* into Greek from Arabic.

answer: **Adelard** of Bath

C. This 10<sup>th</sup>-century Persian's *Algebra* contains the first treatment of cubic equations, as well as a general method for extracting roots of arbitrarily high degree.

answer: Omar **Khayyam**

18. The writer of this bonus enjoys foreign films. Given a pair of films--for 5 points each--identify the country where both had their initial theatrical release:

A. *Lilies* and *The Cube*

answer: **Canada**

B. *Brilliant Lies* and *Strictly Ballroom*

answer: **Australia**

C. *Winter Sleepers* and *Maybe . . . Maybe Not*

answer: **Germany**

D. *All About My Mother* and *Belle Epoch*

answer: **Spain**

E. *Prisoner of the Mountains* and *Burnt by the Sun*

answer: **Russia**

F. *Rouge* and *The Legend of Drunken Master*

answer: **Hong Kong**

19. We all have our worst fears. For 10 points each--identify the object of fear from the following phobias:

A. Helminthophobia

answer: **worms**

B. Phasmophobia

answer: **ghosts**

C. Belonephobia

answer: **needles** (accept equivalents)

20. For 15 points each--answer the following questions about the recent discovery of evidence of liquid water flow on present-day Mars:

A. These depressed land forms occur when subsurface water drains from a spring or reservoir, causing the ground above it to collapse and debris to slide into the depression.

answer: **alcoves**

B. These fan-shaped land forms lay on level ground downhill from alcoves and consist of gravel and debris deposited by water flowing from alcoves.

answer: **aprons**