

Technophobia VII -- 23 November 2002
Toss-Ups by Fresno B and Maribeth Mason

1. When his son Balduinet was killed with a chessboard by Chariot, he slew the queen's nephew Loher and would have slain Charlemagne himself had not his knights arranged for him to flee to Lombardy with his horse, Papillon. One legend has it that Morgana spirited him away to Avalon to live with Arthur, while another claims he is asleep under the Kronenberg with a beard of fabulous length. For 10 points--name this hero of the chansons de geste, also the national hero of Denmark.

answer: _Ogier_ the Dane or _Holger_ Danske

2. In May 2002, Anedio Ranfagni published the results of an experiment in which he directed rectangular microwave pulses through a narrow slit onto a concave mirror, then measured the arrival time of the back-propagating beam at distances less than one meter. Although the resulting beam is an evanescent wave and cannot carry information, its group velocity is, for 10 points--5 to 7 percent greater than what theoretical limiting value?

answer: the _speed of light_ or _c_

3. He stipulated that his grave be marked by a white wooden cross, the only such marking in Arlington National Cemetery, and his funeral was unusual since it took place at night. One of his brothers gave the eulogy, repeating a speech he had given to the youth of South Africa in 1966, while his other brother lay buried fifty yards away. For 10 points--identify this former Attorney General who was assassinated by Sirhan Sirhan on June 5, 1968.

answer: _Robert Francis Kennedy_ or _RFK_

4. During World War I, she served as a nurse. During World War II, she was branded a traitor for having an affair with a Nazi officer and trying to cheat her Jewish business partners, which forced her into an exile of sorts in Switzerland. She made a comeback in 1954 with natural, casual clothing, later introducing peacoats and bell bottoms for women. For 10 points--identify this entrepreneur best known for an expensive numerical fragrance.

answer: Gabriel Bonheur "Coco" _Chanel_

5. Upon her induction into the Hall of Fame, she said, "It was wonderful to be one half of the greatest rivalry in sports." After their first meeting in Akron in 1973, the other half of that rivalry called her "overweight, but eager and gifted" and said she "knew she'd be trouble, if she got in shape, even though I couldn't pronounce her name." For 10 points--name this tennis star who thus launched a 16-year rivalry with Chris Evert.

answer: Martina _Navratilova_

6. Included in his repository of little known facts are that the tan became popular in what is known as the Bronze Age and that the smartest animal is a pig, which, if it had thumbs and a language, could be trained to do simple manual labor. He also knows a lot about civil servants, mothers and sons, stamps from around the world, and beer, but nothing about Archibald Leach, Bernard Schwartz and Lucille LeSueur, except that they have never been in his kitchen. For 10 points--name this Jeopardy loser on Cheers.

answer: _Cliff_ _Clavin_ (accept either part of name)

7. The potency of this stable crystalline alkaloid is unaffected by time, heat or cold. It has no flavor, color or odor, so precise amounts of it can only be measured by high-performance liquid chromatography, but it is one of the most pungent compounds known, and is detectable to the palate in dilutions of one to seventeen million. It is soluble in alcohols, fats, and oils, but a glass of water won't help you if you've eaten too much Tabasco sauce. For 10 points--name this chemical which puts the heat in chili peppers.

answer: _capsaicin_

8. The phrase is originally found in Mark 3:25, just after Jesus replies to those who think he is Beelzebub, "How can Satan cast out Satan?" It is the nickname given to a radical speech delivered at the 1858 Republican convention, in which the speaker opposed the expansion of slavery, but believed it had to be left in place where it already existed and would hopefully die a natural death. For 10 points--name this entity, the title of the last volume of Pearl Buck's ~Good Earth~ trilogy and which, according to Jesus and Lincoln, "cannot stand."

answer: A _House Divided_

9. This word refers to Corsica's thick indigenous scrub vegetation, where bandits traditionally retreated to avoid capture. During the World War II German occupation, the name was applied to French patriots who formed guerrilla groups in the countryside and eventually to the entire French resistance. For 10 points--what is this term now associated with a resistance group which fought with the Cardassians in the Star Trek universe?

answer: _Maquis_

10. He gathers a band of "lawless resolute" to avenge his father's death, but when Voltemand and Cornelius inform his bedridden uncle of his intent, he is rebuked and decides to attack Poland instead over a "little patch of land," which twenty thousand men are willing to die for even though it is worthless. For 10 points--name this Prince of Norway who inherits Denmark upon Hamlet's death.

answer: _Fortinbras_

11. The precursor is the end result of the Haber process and is oxidized in air over a platinum-rhodium gauze catalyst, producing nitrogen monoxide and water. The nitrogen monoxide is then cooled, mixed with air, and passed through a water absorption column, producing the desired compound in a concentration of about 60 percent. For 10 points--what is this process for manufacturing nitric acid from ammonia?

answer: _Ostwald_ process

12. After he was taken from Judge Miller's California home, he earned the respect of his peers by defeating his arch rival Spitz in a fight. John Thornton saved him from starvation, and he later saved John from drowning in the rapids and earned him a thousand dollars by pulling a sled loaded with a thousand pounds of flour. For 10 points--name this loyal sled dog who, after John's death, answered the call of the wild.

Answer: _Buck_

13. Born in South Africa, her last name is Beckett, and she lives in a trailer in the East Anglian forest. Her ~Odyssey~ and ~Grand Tour~ were huge hits, though her comments on the "lovely and fluffy" pubic hair of a nude by Stanley Spencer drew accusations of "flirting for Jesus." For 10 points--what pop culture icon and Consecrated Virgin hosts ~The Story of Painting~ on the BBC?

answer: Sister _Wendy_ Beckett

14. A busy port in Roman times, its ancient name meant "the city with the market." During the Middle Ages, it was ruled by the Gastaldi and was under constant attack by pirates, Venetians, Spaniards, and finally Austrians, under whom the city prospered. Given to Italy by the 1918 Treaty of London--for 10 points--identify this capital of Friuli-Venezia Giulia, located on its namesake gulf in the northeast Adriatic.

answer: _Trieste_ or _Tergeste_ or _Trst_

15. Specialists in this field might be interested in the ahoon, the dobhar-chu, the moehau, and the ogopogo. Other subjects of note include the blue tiger, the Kasai Rex, the Jersey devil, the Loch Ness monster and Bigfoot. For 10 points--identify this thirteen-letter term for the study of creatures which have not been proven to exist.

answer: _cryptozoology_

16. Disguised as a black knight, he was beaten by the king in a duel, and it was only when he fell that he was recognized by his comrades. When forced to carry a man over a river, he drew his sword and forced the man to carry him back, and his prowess in the ensuing swordfight led Robin to make him one of his merry men. He is something of a literary anachronism, since Richard I died in 1199 and St. Francis didn't found a monastic order until 1208. For 10 points--name this portly confessor of Robin Hood.

answer: _Friar Tuck_

17. Beverly Sills said that this was the most boring, pointless role she ever sang, since it involves one aria in the first scene of Act I, a second in the third scene of Act II, and ninety minutes backstage in between. Apparently the five high F's and fancy coloratura of "O zittre nicht," in which she orders Tamino to rescue her daughter, and "Der Holle rache," in which she orders her daughter to kill Sarastro, just weren't challenging enough. For 10 points--who is this mother of Pamina in Mozart's ~The Magic Flute?~

answer: the _Queen of the Night_

18. The trial judge had previously declared the Separate Car Act unconstitutional on interstate trains, but decided that the state could regulate railroad companies which operated only within Louisiana and thus the defendant was guilty, even though he was seven-eighths white. Justice Henry Brown gave the majority opinion, which denied a conflict with the Thirteenth Amendment, and John Marshall Harlan dissented, stating that "our Constitution is colorblind" in--for 10 points--what 1896 Supreme Court case?

answer: _Plessy v. Ferguson_

19. Some sixty treatises were long attributed to him, and early scholars believed he lived to the age of 109. Galen believed that, after his death, his son Thessalus published his works in progress as the last three books of the ~Epidemics~, while in the first century A.D., Scribonius Largus and Soranus argued over the proper use of abortifacients as proscribed by the ~Corpus~. For 10 points--name this "Father of Medicine" who almost certainly did not author his famous oath for physicians.

answer: _Hippocrates_

20. Its organization is based on the Confraternity of the Passion, an association of Parisian burghers which presented religious plays. It was founded in 1673 as the Theatre Guenegaud when a company at the Theatre du Marais was joined by the company of the late Moliere. For 10 points--identify this longest established national theatre company.

answer: _Comedie-Francaise_ or Le _Theatre-francais_

21. Hennig Brand was searching for a way to convert silver into gold by evaporating the water from urine and allowing the black residue to putrefy for several months. Mixing the residue with sand and heating produced a white, waxy solid which glowed in the dark and burst spontaneously into flame when exposed to air, and in 1669 Brand became the first single individual to discover an element. For 10 points--name the element Brand discovered, which is usually obtained from the reaction of calcium phosphate and silica.

Answer: _phosphorus_

22. The tune was originally commissioned as a setting for Josef Weyl's forgettable lyrics glorifying electric street lights, but it became legendary at the Paris Exhibition of 1867 with a new string orchestra setting by its Viennese composer. Featured prominently in the films ~Strictly Ballroom~ and ~2001: A Space Odyssey,~ this is--for 10 points, what Johann Strauss waltz whose title subject is really a dull brown?

answer: On the Beautiful _Blue Danube_ (Waltz) or _An der schonen blauen Donau_

[Note: It's commonly known as "The Blue Danube Waltz" or equivalents -- as long as they get the words Blue and Danube in there, accept it.]

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1. For 5 points for one, 10 for two, 20 for three or 30 for all four--name the artist or band who sang the following lines:

- A. "I really love your peaches, wanna shake your tree"
answer: the _Steve Miller_ Band or Buddy _Knox_
- B. "Peaches come in a can. They were put there by a man in a factory downtown."
answer: The _Presidents of the United States of America_
- C. "Like when Jada was Peaches in the movie Shame / Or the type you can find sittin' at the roughest game"
answer: _Lil' Bow-Wow_
- D. "You come on like a dream, peaches and cream, lips like strawberry wine."
answer: Johnny _Burnette_

2. For 5 points each--name any six of the seven books in C.S. Lewis' ~Chronicles of Narnia~ series.
answer: The _Lion, The Witch and The Wardrobe_, _Prince Caspian_, The _Voyage of the Dawn Treader_,

The _Silver Chair_, The _Horse and his Boy_, The _Magician's Nephew_, The _Last Battle_

3. Name these patron saints of slackers, for 15 points each:

- A. When this 13th-century nun became too ill to attend daily Mass, a vision of the Mass appeared to her in her sickroom. She is thus the patron saint of television.
answer: Saint _Clare_ of Assisi
- B. This Doctor of the Church, who lived in the 6th and 7th centuries, introduced the works of Aristotle to Spain and compiled an index of over 1000 manuscripts. Some say he was the originator of search terms, and he is thus the patron saint of the Internet.
answer: Saint _Isidore_ of Seville.

4. Barry Bonds broke a number of records in the 2001 and 2002 seasons. For 10 points each--

- A. With a slugging percentage of 0.863, Bonds broke this man's 1920 record of 0.847.
answer: George Herman "Babe" _Ruth_
- B. With 68 walks, Bonds passed this man's 1969 intentional walks record of 45.
answer: Willie _McCovey_
- C. With an on-base percentage record of 0.582, Bonds broke this man's 1941 record of 0.551.
answer: Ted _Williams_

5. 30-20-10. Name the city from landmarks.

- A. 9-foot-high bronze sculptures of the disembodied heads of Jackie and Mack Robinson.
- B. Madre's, the Cuban restaurant opened by Jennifer Lopez despite the fact that she's Puerto Rican.
- C. The Norton Simon museum and the Rose Bowl.
answer: _Pasadena_, California

6. Given the hormone, name the organ that produces it, for 10 points each:

- A. Insulin
answer: _pancreas_
- B. Calcitonin
answer: _thyroid_

C. Erythropoietin

answer: _kidney_

7. In 1606, Captain Christopher Newport loaded three ships of over 100 colonists, setting sail for Virginia. For 10 points each--name those ships which brought colonists to Jamestown.

answer: _Susan Constant_, _Godspeed_, _Discovery_

8. When man landed on the moon, a plaque commemorated the event.

A. For 5 points--what month and year are on the plaque?

answer: _July 1969_

B. For 5 points--in what lunar ocean is the plaque located?

answer: _Sea of Tranquility_

C. For 5 points each--the signatures of what four men adorn the plaque?

answer: Neil _Armstrong_, Edwin E. "Buzz" _Aldrin_, Michael _Collins_, Richard _Nixon_

9. For 10 points each--name:

A. The fictional TV show in whose pilot episode Mia Wallace played Raven McCoy, a deadly member of an elite fighting squad who was taught to throw knives and tell jokes by her vaudevillian grandfather.

answer: _Fox Force Five_

B. The 1947 masterpiece of Jackson Pollock's "drip" technique in which he embedded nails, tacks, buttons, coins and a cigarette butt in the black and sea-green paint.

answer: _Full Fathom Five_

C. The band led by UCLA applied math major John Ondrasik whose songs include "Easy Tonight" and "Superman (It's Not Easy)."

answer: _Five For Fighting_

10. For 10 points each--name these novels by Gabriel Garcia Marquez from brief summaries:

A. Maria de Todos los Angeles is bitten by a rabid dog and must be exorcised by Father Cayetano Delaura, who falls in love with her before meeting her.

answer: _Of Love and Other Demons_

B. Florentino Ariza waits more than fifty years to declare his love for Fermina Daza, whom he had lost to Dr. Juvenal Urbino.

answer: _Love in the Time of Cholera_

C. Twenty-seven years after the murder of Santiago Nasar, the townspeople reminisce about how the Vicario brothers planned to avenge the loss of their sister Angela's virginity.

answer: _Chronicle of a Death Foretold_

11. For 10 points each--name these parts of the eye:

A. This compound membrane is composed of the epithelium, Bowman's membrane, the stroma, Descemet's membrane and the endothelium.

answer: _cornea_

B. This depression in the macula lutea contains large numbers of cones to produce maximum sharpness of vision.

answer: _fovea_ centralis

C. This vascular layer beneath the sclera supplies nutrients to the eye and contains the ciliary body, which aids in focusing.

answer: _choroid_

12. Answer the following about optical processes in materials, for 10 points each:

A. These two integral equations allow the absorption of a system to be calculated if the dispersion is known and vice versa.

answer: Kramers-Kronig_ relations

B. Photons of energies just less than the band gap of a solid can create these bound electron-hole pairs.

answer: _exciton_s

C. The first-order version of this effect involves one photon inelastically scattered by a crystal followed by the creation or annihilation of an optical phonon, in which case it is called polariton scattering, or an acoustic phonon, in which case it is called Brillouin scattering.

answer: _Raman_ scattering effect

13. Given a battle, identify the winning commander, for 10 points each:

A. Lepanto

answer: _Don John_ (or Juan) of Austria

B. Malplaquet

answer: John _Churchill_, first duke of _Marlborough_ (accept either)

C. Culloden

answer: William Augustus, duke of _Cumberland_

14. Before the Giants and Dodgers went west there were no Major League Baseball teams on the West Coast.

A. For 10 points, what year did both teams play their first season on the West Coast?

answer: _1958_

B. For 10 points each--name the two owners of those teams in 1958.

answer: Walter _O'Malley_ and Horace _Stoneham_

15. 30-20-10. Name the artist.

A. After obtaining his mechanical engineering degree, he began drawing illustrations for the National Police Gazette, for which he covered prizefighting and the circus.

B. In Paris, he made toylike animals of wood and wire for a miniature circus, which eventually grew into sculptures like ~Spring~, a seven-foot woman, and ~Romulus and Remus~, which featured a she-wolf 11 feet long.

C. His motor-driven and air-driven sculptures were given the name "mobile" by Marcel Duchamp.

answer: Alexander Stirling _Calder_

16. In 2001, Reverend Dan Smith of Lexington, Massachusetts first posed this question to his congregation. It's now the focus of an anti-SUV TV ad campaign paid for by a coalition of religious and environmental groups. For 10 points each--

A. Name this question.

answer: _What would Jesus drive?_

B. Although some suggest Jesus would prefer to walk or bike, we think he might prefer this compact hybrid vehicle from Honda, which gets 61 miles to the gallon.

answer: Honda _Insight_

C. Owners of this 2002 Ferrari two-seater, named in honor of the company's founder, should beware lest Jesus strike them down for driving the world's least-efficient car, at 8 miles per gallon. Car Magazine also named it one of 2002's ugliest vehicles, so sinners have no excuses.

answer: Ferrari _Enzo_ Ferrari

17. Given the name of the character played by Jimmy Stewart, name the film, for 10 points each:

- A. George Bailey
answer: It's A Wonderful Life
- B. Ransom Stoddard, Attorney at Law
answer: The Man Who Shot Liberty Valance
- C. L.B. "Jeff" Jeffries
answer: Rear Window

18. Name these prehistoric Mesoamerican sites, for 10 points each:

- A. The largest metropolis of its time, it was situated on a salt lake, and fell to Cortes in 1521.
answer: Tenochtitlan
- B. Features of this Mayan city in Guatemala include the Temple of the Two-Headed Snake and the Temple of the Great Jaguar.
answer: Tikal
- C. Many of the main buildings of this Yucatan city, such as the temple of the serpent god Kukulcan and the Ball Court, show Toltec influence.
answer: Chichen Itza

19. Identify the authors of the following related lines of poetry, for 10 points each:

- A. "She walks in beauty like the night / Of cloudless climes and starry skies"
answer: George Gordon, Lord Byron
- B. "Sunset and evening star, / And one clear call for me!"
answer: Alfred, Lord Tennyson
- C. "I must go down to the seas again, to the lonely sea and the sky, / And all I ask is a tall ship and a star to steer her by"
answer: John Masefield

20. Name these special determinants, for 15 points each:

- A. For a set of n equations in n variables, this is the determinant of the matrix whose elements correspond to the derivative of each of the n equations with respect to each of the n variables.
answer: Jacobian determinant
- B. This determinant of the matrix formed by n solutions to a linear differential equation and their first $n-1$ derivatives must be nonzero for the solutions to be linearly independent.
answer: Wronskian determinant

21. For 10 points each--name the chemical element named for:

- A. The Greek goddess of the moon
answer: selenium
- B. The Roman goddess of agriculture
answer: cerium
- C. The Roman goddess of the earth
answer: tellurium

22. Give the month in which the following feast days of the Western Church are celebrated, for 10 points each:

- A. The Nativity of Mary
answer: September

B. The Immaculate Conception

answer: _December_

C. The Assumption of Mary

answer: _August_