

Technophobia IX Round 7

USC B/C
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1 USC B/C Tossups, Round 7

1. Fearing problems from integrating Hall High School, his parents shipped this state champion swimmer off to Castle Heights Military Academy in Lebanon, Tennessee. While he was looking for a recommendation for West point, John L. McClellan said he was neither “old,” “bright,” nor “tough enough” and J. William Fullbright ignored him. After a stint as a Rhodes scholar at Oxford, he was named director for strategic plans and policy of the Joint Chiefs of Staff in 1994, served as Commander-in-Chief of the U.S. Southern Command, and was named Supreme Allied Commander of NATO. For ten points, name 2004 Democratic presidential primary candidate.

Answer: General Wesley Clark

2. Pencil and paper ready. Consider the indefinite integral $\int \frac{x+1}{x^2+2x+1} dx$. It quickly becomes apparent that the natural log is required to solve this problem, and that an inverse chain rule match can be found by multiplying by a constant. But the answer is obtained much more easily if you realize the denominator is $(x+1)^2$ and that canceling leaves the denominator as 1. For ten points, what is the integral $\int \frac{1}{x+1} dx$? You have 10 seconds.

Answer: $\ln(x+1) + C$

3. The name originates from a word meaning “bridge builder,” because they were the bridge between men and the gods. Responsible for selecting the vestal virgins and enforcing the *jus divinum*, Lepidus was given this position after rising against Augustus, and Julius Caesar held this office until his death. Each successive emperor then held the title, and title then in the fourth century it became one of the Pope’s many titles. For ten points, what is this highest religious post in the Roman world, the leader of the College of Pontiffs?

Answer: Pontifex Maximus

4. Razborov’s theorem states that there exists a constant c such that for large enough n all monotone circuits for this problem have size $2^{cn^{1/8}}$. If one knows that INDEPENDENT SET is NP-Complete, finding this for a graph G is equivalent to finding an independent set on the complement of G , likewise, it is also reducible from VERTEX COVER. For ten points, identify this problem of finding the largest complete subgraph, not to be confused with high school social groupings.

Answer: CLIQUE

5. His wrists are quite supple, but they aren’t his most defining characteristics. He has disciples, but they only lead him to his pastime, which happens on a Bally table. The buzzers and bells don’t distract him, as he apparently plays by sense of smell. The replay always goes to, for ten points, what deaf, dumb, and blind arcade master, the subject of a *Who* song off their *Tommy* album?

Answer: Pinball Wizard, accept Tommy before mentioned

6. The first Westerner to cross it was Bertram Thomas in 1931, and it swallowed the city of Ubar sometime around AD 100. Connected by the 800-mile long Dahna to the Nafud desert in the north that give rise to the highlands of the Nejd, in its south are the plateaus of Hadramaut. Oil taken from its al-Ghawar field is of excellent quality but still has drawn almost no inhabitants to this mostly barren region. For ten points, name this quarter-million square mile region covering southern Saudi Arabia, emen, Oman, and the United Arab Emirates.

Answer: Ar-Rub al Khali or Empty Quarter

7. This five-letter, trademarked discovery was developed by Charles Kettering and Thomas Midgely, Jr. This class of halogen containing aliphatic organic compounds replaced ammonia, sulfur dioxide, and methyl chloride, but were banned along with other CFCs in 1992. For ten points, name this Dupont trade-name for colorless, odorless, nonflammable, noncorrosive chlorofluorocarbon used in refrigeration.

Answer: Freon

8. Ferenc Molnar, Hungary's greatest playwright, inspired it with his work *Liliom*. Songs within include the non-suggestive "Blow High, Blow Low," and "This Was a Real Nice Clambake." Set in late 19th century New England, it revolves around the troubled romance of Julie Jordan, a factory worker, with a unemployed former barker for a traveling show. Rodgers and Hammerstein wrote, for ten points, what musical centering on the life, death and redemption of Billy Bigelow, and named after a piece of carnival equipment?

Answer: Carousel

9. In *Little Women*, the March sisters pretend to be characters out of this book. It has little coherent plot but many adventures such as a lady with yellow curl-papers and the Dingley Dell Cricket Club. Mrs. Bardell has a misunderstanding with the titular character and gets him thrown into Fleet Prison, The villainous Jingle and Trotter are troublemakers, and the faithful servant Sam Weller pronounces all V's as W's. Tupman is a womanizing bachelor. Snodgrass is a poet who has never written poetry, and marries Emily Wardle. Winkle is a humbug who marries Arabella Allen. For ten points, name this humorous serialized work, the first "novel" of Charles Dickens.

Answer: Pickwick Papers

or The Posthumous Papers of the Pickwick Club

10. A bishop asked him to return a vase he had looted from the bishop's church. At Soissons, one of his men crushed the vase, and this king crushed the soldier's head with an axe. The chronicler, Gregory of Tours, doesn't give an explanation. The son of Basina and the pagan Childeric, he commissioned the *Pactus Legis Salicae*. For ten points, name this 3rd and arguably most important ruler of the Merovingian Dynasty.

Answer: Clovis I

11. Born to her husband's greatest enemy after the seduction of Gaius Helen Mohiam, she was chosen as a consort to bear a daughter that would marry Feyd Rautha; their son would then become the Kwisatch Haderach. Because of her love, she disobeyed the Bene Gesserits and bore Duke Leto Atreides a son. For ten points, name this mother of Paul Maud'dib in Frank Herbert's *Dune*.

Answer: Lady Jessica Harkonnen

12. It began with the home team losing the first 2 games by a combined score of 7-3. Then the eventual MVP of the series took the mound in game 3 and Saberhagen was able to pull his team back into the series with a complete game 6-hitter. Even though the Cardinals won game 4, Saberhagen's gutsy outing was the turning point in, for ten points, this world series commonly named after the interstate connecting the participating Royals and Cardinals.

Answer: 1985 or I-70, or Show-me State World Series

13. His artistic training began in 1591 with his apprenticeship to Tobias Verhaecht and Otto van Veen at van Noort's studio. From 1600 to 1608, he served as the court painter for the Vincenzo I Gonzaga, the Duke of Mantua, and while in Rome designed the altar for Chiesa Nuova later

adapted by Bernini in sculpture. He can do landscapes, as evidenced by *Four Continents* and *Landscape with Carters*, but is better known for religious paintings like *Descent from the Cross*. For ten points, name this Dutch painter, known for his depictions of full-bodied women.

Answer: Peter Paul Rubens

14. He was told to go Mount Kagu and make earthenware in order to subdue the Shiki. The husband of Ahira-tsu, he marched from Hyuga and subdued the Yamato people. The descendant Ninigi, Amaterasu's grandson, a shrine was built to him in 1889 in Kashiwara. Celebrated on Kigensetsu day and the newly resurrected "National Foundation Day." For ten points, name this legendary first emperor who on February 11, 660 BC, founded Japan (give or take).

Answer: (Emperor) Jimmu Tenno or Kow-yamato-iware-hiko No Mikoto

15. This book expanded from a series of *Harper's* articles unrealistically depicts its subject matter in a number of ways: the author ignores "Caroline's" advice to seek out faith-based help, cannot use the earned income credit, and never seeks out a roommate. Released in 2001, the author's goal is to save up enough money to pay next month's rent, but does so from the perspective of a PhD columnist pretending to be a 50-year-old housewife returning to the labor market in Florida, Maine and Minnesota. For ten points, what is this book, written by Barbara Ehrenreich?

Answer: Nickel and Dime

16. Lucius's conversion to the cult of this goddess in Apulleius's *Metamorphoses* is thought to parallel the author's conversion to her. While Herodotus linked her to the Greek goddess Demeter, Romans didn't really begin to worship her until 68 BC when a tripartite cult was formed for her, Horus, and Serapis. For ten points, name this Egyptian goddess of fertility, sister-wife to Serapis, known to the Egyptians as Osiris.

Answer: Isis or Aset or Eset

17. Among the first to make the correction were Spain, Portugal, and a number of Italian states. Prussia adopted it in 1610, England and its colony in 1752. France made the change in 1582, later revoked it, and did not revert until 1806. Japan allowed it starting in 1853, China switched to it in 1911, and Russia adopted it in 1918. For ten points, name this reform of the Julian calendar, begun when the Catholic pope declared that the day following October 4, 1582 would be October 15, 1582.

Answer: Gregorian calendar or New Style Calendar

18. It began first century BC after a schism at the Second Council of Vaishali over the Vinaya. It has a concept similar to the trinity, the Trikaya, which holds that the Bhudda had three manifestations. It doesn't emphasize the attainment of arhat, which it considers a selfish pursuit, but instead emphasizes the presence and role of Bodhisattvas in helping people attain enlightenment. For ten points, name this form of Buddhism that developed as a reaction to the Theravadas, the so-called "greater vehicle."

Answer: Mahayana Prompt on any of the following: Zen, Nichiren, or Tendai

19. Born in Italy and educated by Vespertine monks, he was employed as a painter and sculptor until the age of 12, when he was introduced to Cardinal Alexander, who retained him as an architect, consultant, and prophet as Pope Alexander VI. Feared by Archdeacon Claudio Vespertini, his works were ordered to be "washed from the Earth" and he was sentenced to death by fire. Though his works supposedly disappeared, a secret order, identifying themselves with the mark of an eye, existed to protect them. He illustrated "machine code" and other technologies as early as 1489, for which he was codenamed "Nostravinci." For ten points, name this prophet, for whom

the number 47 holds special significance and whose works are sought after on television's *Alias*.

Answer: Milo Rambaldi

20. In a well-known video game series, it gives each character a magical shield that reflects spells. In a case solved by Sherlock Holmes, it was a stolen object that eventually found its way to the detective in a Christmas goose. In medicine, it refers to a inflammatory staphylococcal infection consisting of two or more interconnected boils called furuncles. For ten points, what is the common name of this deep red, cabochon-cut almandine garnet?

Answer: Carbuncle

21. Bilateral volumetric hippocampal atrophy of this organ is an early predictor of Alzheimer's, and Dr Eleanor Maguire observed that it is enlarged in London taxi drivers. First investigated by Vladimir Bekhterev during his observations of memory disturbances in his patients, it is responsible for the formation of new memories of personally experienced events. For ten points, name this temporal lobe region believed to process declarative, similar in shape to a "seahorse."

Answer: Hippocampus

22. It had eruptive periods 1500 and 200 years ago, the second of which created a waterway Lewis and Clark named "the Quicksilver River" and is known today as Sandy River; the earlier period saw the creation of the steep scarp above Crater Rock. First seen by William Broughton, a member of Vancouver's expedition, it was named for the admiral whose fleet occupied Toulouse during the American Revolutionary War. The Columbia River comes within 50 miles of, for ten points, what mountain in the Cascades, the highest peak in Oregon?

Answer: Mount Hood or Wy'east

2 USC B/C Bonuses, Round 7

1. For ten points each, name the French writer from clues:
 - (a) Leader of the Symbolist movement, he left his wife for 17-year old Arthur Rimbaud, whom he later shot.
Answer: Paul Verlaine
 - (b) The author of *Capital of Sorrow*, he co-founded the Surrealist movement with Andre Breton and Louis Aragon.
Answer: Paul Eluard
 - (c) The lover of Simone de Beauvoir, he wrote *No Exit* and *The Wall*.
Answer: Jean-Paul Sartre
2. Answer these questions about similarly titled works, for ten points each.
 - (a) This John Berendt work deals with a 1981 murder in Savannah, the Married Woman's Card Club, a cowboy gigolo, a drag queen, and a voodoo priestess.
Answer: Midnight in the Garden of Good and Evil
 - (b) This 1861 collection of 126 poems in six sections is the masterpiece of Baudelaire.
Answer: The Flowers of Evil or Les Fleurs du mal
 - (c) This least appreciated Heinlein work concerns J. S. Bach Smith, an elderly man who has his brain transplanted into a young woman and sets out to copulate as much as possible.
Answer: I Will Fear No Evil
3. Answer the following questions about the logical and physical memory in your computer.
 - (a) Physical memory is broken into fixed-sized blocks called this.
Answer: Frames
 - (b) Chunks of logical, memory, on the other hand are for some reason called this. Sometimes, your computer forgets where it is and experiences a BLANK fault.
Answer: Pages
 - (c) The association of pages to frames is usually done by this associative, high-speed content addressable memory.
Answer: Translation Lookaside Buffer
4. For ten points each, name these things relevant to in-flight measurements.
 - (a) This is the common device used to measure a flying object's velocity by measuring pressure difference.
Answer: Pitot Tube
 - (b) This is the quantity that is measured at the tip of the Pitot tube.
Answer: Static Pressure
 - (c) The streamline terminating at the Pitot tube's stagnation point crosses this, a region of large pressure differential in front of the aircraft, disrupting measurements.
Answer: Shock Wave or Sonic Boom or Mach Cone or bow shock

5. For ten points each, identify the following historical items from their reference in that seminal cultural icon, Don McLean's "American Pie."
- (a) The title itself refers to the 1959 death of these three musicians in a plane, along with the pilot Roger Peterson.
Answer: Buddy Holly, Richie Valens, and the Big Bopper (aka J.P. Richardson)
- (b) "we all got up to dance/but we never got a chance/the players tried to take the field/but the band refused to yield" referred to protesters outside this 1968 event in Chicago.
Answer: 1968 Democratic National Convention
- (c) The jester who "sang for the King and Queen in a coat he borrowed from James Dean" is likely this singer who appeared on the cover of *The Freewheelin'* in a red windbreaker similar to one worn in *Rebel Without a Cause*.
Answer: Bob Dylan or Robert Zimmerman
6. For ten points each, name the following artists from an important work and the piece's patron:
- (a) Statue of Moses, Pope Julius II
Answer: Michelangelo
- (b) Mural, Peggy Guggenheim
Answer: Jackson Pollock
- (c) Baptistry Doors, Wool Merchants Guild of Florence
Answer: Lorenzo Ghiberti
7. The 2004 Major League Baseball season was filled with memorable moments. Identify the following players involved in some of those moments, for ten points each.
- (a) On May 5, this Houston Astros pitcher moved past Steve Carlton into second place on the all-time strikeouts list.
Answer: Roger Clemens
- (b) On May 12, this Los Angeles Dodger had an 18-pitch at-bat against Cubs pitcher Matt Clement [kluh-MEHNT], which ended in a home run.
Answer: Alex Cora
- (c) All or nothing, name the two Texas Rangers pitchers who were ejected from a game in Oakland on September 16 when one of them reacted to a heckler by throwing a chair into the stands, breaking a fan's nose.
Answer: Frank Francisco, Doug Brocail
8. For ten points each, name the country which lies directly west of the given African capital.
- (a) Cairo
Answer: *Great Socialist People's Libyan Arab Jamahiriya or Al Jumahiriyah al Arabiyah al Libiyah ash Shabiyah al Ishtirakiyah al Uzma*
- (b) Mogadishu
Answer: Republic of Kenya

- (c) Luanda
***Answer:* Republica Federativa do Brasil or Federative Republic of Brazil**

9. Identify these French Kings for ten points each.

- (a) This 10th century duke controlled the lands of Paris and Orleans and lent his name to the first modern dynastic line.

***Answer:* Hugh Capet**

- (b) Ruling in the 12th and 13th centuries, he expanded France to nearly its modern size, went on the Third Crusade, and was on the winning side at Bouvines.

***Answer:* Philip II (Augustus)**

- (c) His reign was a difficult one, but this precursor to Philip II did do two great things: befriend Thomas a Beckett and score with Eleanor of Aquitane.

***Answer:* Louis VII**

10. Name the following about artists featured in Andrew Gonzelez' high school Spanish textbook, for ten points each.

- (a) This man's most famous works include "View of Toledo" and "Burial of the Count Orgaz."

***Answer:* El Greco or Dominikos Theotokopoulos**

- (b) This Goya series was based on Napoleon's penninsualr campaing.

***Answer:* Desastres de la guerra or Disasters of War**

- (c) This Picasso work features a funky combo of violin, accordion and recorder?

***Answer:* Los Tres Músicos or The Three Musicians**

11. Technology always wins. For ten points each, identify these battles where natives fought against superior technological powers and lost big.

- (a) In this 1898 clash between British and Sudanese, British rifles carried the day, avenging the death of "Chinese" Gordon.

***Answer:* Battle of Omdurman**

- (b) In 1757, Robert Clive, representing the British East India Company, overwhelmed the poorly used artillery of the Nabob, defeating an army fifteen times his force's size.

***Answer:* Battle of Plassey**

- (c) Cetshwayo of the Zulus was defeated at this battle on the Mfolozi river after a victory at Isandlwana.

***Answer:* Ulundi**

12. Name the poem from lines, 30-20-10.

30 But it's not elves exactly, and I'd rather / He said it for himself.

20 some are loaves and some so nearly balls / we have to use a spell to make them balance: /
 "Stay where you are until our backs are turned!"

10 And he likes having thought of it so well / He says again, "Good fences make good neighbors."

***Answer:* Mending Wall**

13. Given information about one of the ten largest lakes in the world by area, name it, for ten points each.
- (a) Although this American lake is the second largest lake in the world, the Caspian sea is four and a half times larger than it.
Answer: Lake Superior
- (b) Although the eighth largest by area, this lake fed by the Selenga and Angara rivers is the largest by volume and the oldest.
Answer: Lake Baikal
- (c) This tenth largest lake in the forms most of the boundary of its namesake nation with Mozambique and Tanzania.
Answer: Lake Malawi or Nyasa
14. Identify these people from the Aeneid for ten points each.
- (a) A priest of Neptune, he and his two sons were eaten by twin sea-snakes after giving the famous warning, “whatever it is, I fear the greeks, even bearing gifts.”
Answer: Laocoon [lah-COOH-ihn]
- (b) Aeneas’s first wife, who falls behind and disappears while fleeing Troy.
Answer: Creusa
- (c) The African king, a suitor of Dido and son of Jupiter Hammon, whose supplication provokes Jupiter into breaking up Aeneas and Dido’s relationship.
Answer: Iarbus
15. Trey Parker and Matt Stone enjoy taking potshots at celebrities, Name these actors given clues from *Team America*, for ten points each or five if you need other roles.
- 10 He is the president of the Film Actors Guild, and protagonist Gary Johnston must out-act him at a peace ceremony in order to stop Kim Jong Il’s evil plot.
5 Lt. Col. Doolittle in *Pearl Harbor* and Jack Ryan in *Hunt for Red October*
Answer: Alec Baldwin
- 10 He meets his untimely end when a member of Team America tosses a cigarette in a puddle of gasoline in which he is standing.
5 Andy Dufresne in *Shawshank Redemption* and Dave Boyle in *Mystic River*
Answer: Tim Robbins
- (a) (10) His only lines in the movie consist of him saying his name slowly, as if retarded.
- (b) Will Hunting and Jason Bourne
Answer: Matt Damon
16. For ten points each, name the following kings defeated by Rome.
- (a) King of Numidia, this man was defeated by Marius in the late second century and gave his name to the war.
Answer: Jugurtha

- (b) This Gaulish chieftain led an uprising during Caesar's Gallic campaign before being crushed at the Battle of Alesia.
Answer: Vercengetorix
- (c) King of Pontus, this king fought three wars with Rome between 88 and 62 B.C. before finally being defeated by Pompey and committing suicide.
Answer: Mithridates VI Eupator
17. For ten points each, name these terms involved in orbital mechanics.
- (a) This is the minimum speed required for one to get off any particular planet.
Answer: Escape Velocity
- (b) Assuming all engines were cut as soon as the ship escapes the atmosphere, what section of the elliptical orbit would it be at?
Answer: Periapsis or Perigee
- (c) If the objects orbit had a foci width of 20 kilometers and an eccentricity of .75, what would be the radius at apoapsis?
Answer: 80 Kilometers
18. For ten points each, identify these varieties of the greatest studying tool of all time: Schnapps.
- (a) This perhaps most famous variety is the primary flavoring in drinks such as the Hard Icy Nipple and the Candy Cane. Rurpleminze is a strong variety.
Answer: Peppermint or Schnapps
- (b) The quasi-schnapps known as Triple Sec is just a fancy name for this, its main flavoring agent.
Answer: Orange peels
- (c) This clear Swiss liqueur includes a unique metallic element, but otherwise is simply cinnamon Schnapps.
Answer: Goldschläger
19. Ecumenical councils of the Catholic church are generally awesome events that get some important theological work done. Given accomplishments, name the council for ten points each.
- (a) This council, the first in the history of the church, condemned the Arian heresy and generated a namesake creed.
Answer: Nicaea I
- (b) This council solidified the doctrine of transubstantiation and condemned the Albigensian and Waldensian heresies.
Answer: Lateran IV
- (c) Though no dogma was defined, it addressed many changes in methods of worship, and was the last council to be held in the history of the church, convened by Pope John XXIII.
Answer: Vatican II
20. Name the following figures from the First World War, FTPE.

- (a) This Turkish general was instrumental in stopping the Allied assault at Gallipoli before becoming father of the modern Turkish nation.
Answer: Ataturk or Mustafa Kemal
- (b) An archaeologist and student of medieval literature, this legendary figure was author of The Seven Pillars of Wisdom and died in a motorcycle crash in 1935.
Answer: T.E. Lawrence or Lawrence of Arabia
- (c) This French general was made Allied Supreme Commander on the Western Front in 1918 and in this role oversaw the defeat of Germany.
Answer: Ferdinand Foch
21. The census is supposed help redistricting, but some states chose to ignore this new information. For ten points each:
- (a) The Supreme Court found the issue of state representation was within the scope of the courts in what 1962 case?
Answer: Baker v. Carr
- (b) Two years later, what decision saw the application of the “one person, one vote’ rule?
Answer: Reynolds v. Sims
- (c) What chief justice wrote “legislators represent people, not trees or acres’ in his opinion?
Answer: Earl Warren
22. For ten points each, answer the following questions about a condition common in angiosperms.
- (a) This is defined as a condition in which a cell has more than two haploid sets of chromosomes.
Answer: Polyploidy
- (b) Polyploidy can result from this process when DNA is replicated during the S phase without undergoing mitosis or cytokinesis.
Answer: Endoreplication or endoreduplication
- (c) These mutualistic gram-negative bacilli essential for nitrogen fixation force their legume hosts to undergo endoreplication.
Answer: Rhizobium or Rhizobia