

#### Round 4 - Tossups

Written by: Aaron Twait

1. The protagonist is puzzled about being censured for a minor infraction, and Dansker tells him that Claggart holds a grudge against him. Claggart accuses the protagonist of plotting a mutiny, and when confronted by Captain Vere, the titular character strikes Claggart dead. FTP, name this posthumously published novel of Herman Melville's.

Answer: Billy Budd, *Foretopman*

2. Born in Valladolid of noble Castilian parents, he was appointed prior of a Dominican convent in 1452. By 1474, he became confessor and counselor of state to Isabella of Castile and Ferdinand II of Aragon, who embraced him because of their belief that a united Spain needed religious uniformity. FTP, name this Catholic clergyman and chief Spanish Inquisitor.

Answer: Tomas de Torquemada

3. He was played as a low-comedy character and grotesque stereotype until Charles Macklin's 1741 London depiction of him as a tragic dignified figure. He is more concerned about the loss of his ducats than the loss of his daughter when Jessica elopes with Lorenzo, a friend of Bassanio. FTP, name this avaricious Jewish moneylender in Shakespeare's *The Merchant of Venice*.

Answer: Shylock

4. Walter Reuther, president of the United Auto Workers, is killed in a plane crash. Black activist Angela Davis is transferred to San Rafael, California to face charges of murder, kidnapping, and conspiracy. Apollo 13 astronauts splash down safely in the Pacific. FTP, name the year in which all these events occurred, as well as the deaths of four Kent State students at the hands of the National Guard.

Answer: 1970

5. Air entering its left rear quadrant accelerates and undergoes horizontal shrinking and vertical stretching -- thus cold air sinks and warm air rises, releasing potential energy. They are an integral part of baroclinic fluid motion in a rotating system and are recognized as the primary channels for the atmosphere's mixing processes. FTP, name these narrow, fast-moving belts of air in the mid-latitudes of both hemispheres.

Answer: Jet streams

6. Used in Egyptian portrait panels from the Faiyum in Roman times and also in Roman murals, it was carried to a high point by such artists as Giotto, Fra Angelico, and Botticelli. It is generally utilized on rigid panels of wood or masonite covered with several thin layers of gesso, rather than the usual painting surface of canvas. FTP, name this type of painting, in which water and a fatty binder are mixed with dry pigments.

Answer: Tempera Painting

7. Designed by the Greek architects Satyros and Pythias, it was 135 feet high with a rectangular basement beneath a colonnade formed by 36 columns. Constructed of white marble in 352 B.C.E., it was destroyed for the use of its stone to build castle for the Knights of St. John in 1402. FTP, name this structure situated in present-day Turkey, one of the seven ancient wonders of the world.

Answer: The Mausoleum at Helicarnassus

8. Her short fiction includes *The Pagan Rabbi and Other Stories*, *Bloodshed and Three Novellas*, and *Leviathan: Five Fictions*. The tale of Joseph Brill, an educator who sets up a primary school with such an advanced curriculum that few students can be found for it, is told in *The Cannibal Galaxy*. FTP, name this 20th century American writer who addresses the psychic wound of a woman's loss of her child during the Holocaust in *The Shawl*.

Answer: Cynthia Ozick

9. With a diameter of between 5 and 100 miles, they may have a thin solid crust in which quakes take place. According to current theory, they have a strong magnetic field, and if the magnetic pole does not coincide with the pole of rotation, its quick rotation produces a searchlight effect. FTP, name this kind of star, which produces radio waves and whose protons and electrons have run together.

Answer: Neutron star or pulsar

10. The last sentence of this 1713 work claims to have brought man back to common sense by reconciling the view that the things we immediately perceive by sense are real things with the view that the things immediately perceived by sense are ideas which exist only in the mind. It was written in part to defend the author from charges that his immaterialism led to skepticism, a result of his *Treatise Concerning the Principles of Human Knowledge*. FTP, name either the title of this George Berkeley work or the names of its two characters.

Answer: *Three Dialogues Between Hylas and Philonous*

11. It's scientific name, *Hypericum perforatum*, means "beneath or amongst the heather", and "having small holes", which actually refers to the black dots on the petal edges and the translucent dots on the leaves. Long-believed to ward off witches and other evil spirits, they were gathered and hung in parlors during June in Norway and Sweden. FTP, name this plant, now commonly believed to help alleviate depression.

Answer: Saint-John's-wort

12. Sarastro has imprisoned Pamina in order to protect her from the evil influence of her mother, the Queen of the Night. Tamino is accompanied by Papageno, an earthy bird-man, as he tries to pass Sarastro's test to win Pamina. FTP, name this two-act opera by Mozart, which is set in Egypt and exploits the forbidden rites of Freemasonry.

Answer: *The Magic Flute*

13. Born in Basil, Switzerland, in 1875, he entered the University of Basil in 1895 to study archaeology, but later took up psychology. One concept he promoted was that of archetypes: thought patterns developed through the centuries by the effective unconscious. FTP, name this psychiatrist and psychologist who developed the field of analytical psychology.

Answer: Carl Gustav Jung

14. His principal temple was near the Roman forum, and it's doors were kept open in time of war and locked in time of peace - they were closed only four times between the earliest kings and the end of Augustus' reign. He was originally the god of light who opened the sky at daybreak and closed it at sunset. FTP, name this two-faced Roman god, who watched over doors as god of entrances, exits, beginnings, and ends.

Answer: Janus

15. Despite Henry Cabot Lodge's vow that no man who lived in a two-family house would become vice-president, he did. Although he opposed the McNary-Haugen Bill for relief of agriculture, and supported the Kellogg-Briand pact outlawing war, it was his firm handling of the Boston Police Strike while governor of Massachusetts that garnered him national attention. FTP, name this president whose cabinet included his successor, Herbert Hoover.

Answer: Calvin Coolidge

16. He visits the island of Serendip and climbs to the top of the mountain where Adam was placed on his expulsion from Paradise. He is also left on a desert island, where he discovers a roc's egg fifty paces in circumference. FTP, name this Baghdad merchant from the *Arabian Nights* who describes to a poor, discontented porter the seven voyages during which he acquired great wealth.

Answer: Sinbad the Sailor

17. One type of this has grids of lead and lead dioxide immersed in a dilute sulfuric acid. Another type has a carbon rod imbedded in a paste of ammonium chloride surrounded by a zinc can, which acts as the anode. FTP, give the term that describes these things, electrochemical cells where terminals are connected to electrodes immersed in a solution of electrolytes.

Answer: Battery

18. *Village Voice* investigative journalist Marc Cooper blew the lid off the project, revealing, among other things, that it was an extension of a '60s cult dedicated to the colonization of Mars. The 150 million dollar venture, which began in September 1991, was funded by the maverick New Age heir to the Bass Texas oil fortune. FTP, name this three-acre, glass enclosed terrarium located in the Arizona desert.

Answer: Biosphere 2

19. In 1783 David Hale and Richard Arkwright wondered if the falls of the Clyde could be harnessed to drive cotton spinning machines. The falls were harnessed, and this mill town saw The Institute for the Foundation of Character in 1816 and The School for Children in 1817. FTP, name this Scottish town, made famous by Robert Owens in the early 19th century.

Answer: New Lanark

20. The unhappy Fanny goes to visit her family in Portsmouth but distressed by the noise and disorder of her father's house, she longs to be back in the country. Earlier in the novel, Fanny alone had remained aloof from the self-indulgent flirtations that surfaced after Sir Thomas departed for the West Indies and the play *Lover's Vows* was staged. FTP, name this 1814 Jane Austen novel, named for the country estate where much of the action takes place.

Answer: Mansfield Park

21. The title of her Ph.D. dissertation was "The Physical Chemistry of Solid Organic Colloids with Special Relation to Coal and Related Materials" and she published a series of classic papers on carbon and coal. While in France, she began using X-ray diffraction techniques to study carbons, and would use this experience during her later work when she studied, among other things, the structure of the tobacco mosaic virus. FTP, name this physical chemist whose X-ray photographs of DNA allowed its double-helix structure to be identified.

Answer: Rosalind Franklin

#### Round 4 - Boni

1. Answer these questions about Death Comes for the Archbishop FTSNOP.

A. FFP, name the novel's author.

Answer: Willa Cather

B. FFP, the novel is set in the wilderness of this future US state.

Answer: New Mexico

C. FTP, this man is the archbishop mentioned in the title.

Answer: Jean Marie Latour

D. FTP, during his travels, Latour meets Magdalena, a Mexican woman who exposes her murderous husband Scales. Name the man with whom she eventually finds refuge, a trustworthy Western scout.

Answer: Kit Carson

2. Given a short description of a mathematician and his achievements, name him FTP each.

A. This 17th century mathematician, physicist, and religious philosopher founded the modern theory of probabilities.

Answer: Blaise Pascal

B. This 20th century German mathematician proved that  $\Pi$  is a transcendental number.

Answer: Carl Louis Ferdinand von Lindemann

C. This 20th century Russian mathematician founded modern functional analysis and developed the theory of topological vector spaces.

Answer: Stefan Banach

3. Answer these questions about Incan Indian rulers FTP each.

1. He began the Inca Empire about 1438, was the 9th Incan ruler, and was the first Inca leader to be both an able administrator and a military leader.

Answer: Pachacuti

2. Pachacuti's grandson, who unified the conquered regions of highland Ecuador and parts of southern Colombia, his two sons engaged in a civil war.

Answer: Huayna Capac

3. This son won the civil war, only to be captured, ransomed, and then executed anyway by the Spaniards.

Answer: Atahualpa

4. Given the description of an instrument, name it FTP each.

A. This member of the lute family has eight wire strings which are tuned as four pairs (G, D, A, E) and it is played with a plectrum.

Answer: Mandolin

B. This woodwind instrument has a double reed at the top of a long tube. It is non-transposing with a natural scale of D.

Answer: Oboe (note: clarinets are single-reed instruments)

C. This brass instrument is a soprano horn in B flat, similar in shape to the bugle but with three pistons. It has the same compass as the B flat cornet but with a fuller tone.

Answer: Flügelhorn



7. Name the insect 30-20-10.

30. They make up the order *Isoptera*.

20. Social insects that live in highly integrated colonies, they are often erroneously referred to as "white ants".

10. These insects digest wood, paper, and other material containing cellulose with the aid of protozoa in their bodies.

Answer: Termites

8. Answer these questions about everyone's favorite epic poem, Beowulf, FTP each.

A. The poem opens by recounting the career of this hero-king sent by God to the leaderless Danes.

Answer: Scyld Scefing

B. This great hall is invaded by Grendel, who drives out Hrothgar and the Danes.

Answer: Heorot

C. Beowulf is aided in his efforts by this incredible weapon, his sword.

Answer: Hrunting

9. It wasn't just colonists that won the American Revolution. And now that we're the most powerful nation in the world, those other countries know where to get off. Anyhow, given a short description, name the person without a green card who worked for American independence anyway. Ten each.

A. This German soldier was sent by Washington to Valley Forge to train colonial troops and later led troops against the British at Monmouth and Yorktown.

Answers: Baron von Steuben or Friedrich Wilhelm Ludolph Gerhard Augustin von Steuben

B. This French admiral drove the British navy from the Virginia shore allowing the allied forces to trap Cornwallis at Yorktown.

Answers: François Joseph Paul Grasse or Comte de Grasse

C. This Pole was appointed a colonel of engineers and built fortifications at Saratoga and West Point as well as overseeing the American defenses on the Hudson.

Answer: Thaddeus Kosciusko

10. Given a definition of a term concerning dams and flood control, name it on a 5-10-15 basis.

A. FFP, this is a wide, flat, low-lying area, adjacent to a river and is generally inundated by floodwaters.

Answer: Flood plain

B. FTP, this is a broad, reinforced channel near the top of the dam, designed to allow rising waters to escape the reservoir without overtopping the dam.

Answer: Spillway

C. F15P, these are gates or conduits in a dam that are generally kept open so as to discharge the normal stream flow at low water.

Answer: Outlet works

11. Name the structure from architectural features 30-20-10.

30. The picturesque domes of the cathedrals of the Assumption, the Annunciation, and the Archangel lend it pleasing variety.

20. This triangular-shaped building's Grand Palace was designed by the Italian baroque architect Rastrelli.

10. One-and-a-half miles around, its present walls have stood in Moscow since 1492.

Answer: Kremlin

12. Given an anthropological work of the 1930s, name the author FTP each.

A. *Patterns of Culture*, 1934.

Answer: Ruth Fulton Benedict

B. *Pueblo Indian Religion*, 1939.

Answer: Elsie Clews Parsons

C. *Moses, Man of the Mountain*, 1939.

Answer: Zora Neale Hurston

13. William Randolph Hearst led a somewhat interesting life. If you can make a movie about it, then you can write a bonus question about it. Answer the following FTP each.

A. Hearst was given this California newspaper by his father in 1887 in the hope that it would settle him down.

Answer: San Francisco Examiner

B. Hearst battled Joseph Pulitzer for the right to publish this cartoon, the first to be in color.

Answer: The Yellow Kid

C. Hearst was twice elected to the House of Representatives from New York City and in this year he ran for president, garnering 20 percent of the first ballot at the Democratic convention.

Answer: 1904

14. If Smithers really HAD been able to pull players from the Negro Leagues for Burns' team, he could have gotten some damn fine players. Given a description of three Negro Leaguers, name them FTP each.

A. He spent 1929-31, 37-40, and 42-46 with the Homestead Grays and 1932-36 with the Pittsburgh Crawfords. Mainly a catcher, he is credited with hitting 962 home runs over his career.

Answer: Joshua Gibson

B. This man pitched for four different teams from 1902 through 1910, compiling a 54-1 record in 1903 with the Cuban X-Giants. He was part-owner and manager of the Chicago American Giants from 1911 to 1926, and also organized the Negro National League, the first black baseball league.

Answers: Andrew Foster or Rube Foster

C. This player, whose career lasted from 1905 until 1932, is considered the best black ballplayer of the 1910s and 1920s, and is also considered the greatest shortstop of his day - black or white.

Answer: John Henry Lloyd

15. The War of 1812 was spectacular success for mediocrity. Answer the following concerning that conflict FTP each.

A. From 1807 until 1812 the Democratic-Republican administrations of Jefferson and Madison attempted to change British policy by economic coercion - the most severe measure being this December 1807 act.

Answer: Embargo Act of 1807

B. On September 11, 1814, Thomas McDonough's naval force won a decisive victory at Plattsburg Bay on this lake, forcing the British to retreat into Canada with the result that they lost interest in the war.

Answer: Lake Champlain

C. This was the December 1814-January 1815 gathering of New England Federalists opposed to the war.

Answer: Hartford Convention of 1814

16. Answer these questions about James Joyce's *Ulysses* FTSNOP.

A. FFP, this is a central character in the work -- an advertising canvasser of Jewish origin who lives in Dublin.

Answer: Leopold Bloom

B. FTP, Molly Bloom dominates the final section of the work, and her famous soliloquy ends with this word -- her affirmation of life and love.

Answer: Yes

C. FFP each, name the month, day and year which serves as the setting for the novel.

Answer: June 16, 1904

17. Answer these questions about the prophet Elijah FTP each.

A. Elijah opposed the prophets of Baal, challenging them to a dramatic contest on this mountain.

Answer: Mount Carmel

B. Elijah lived during the reign of this king, with whom he became a bitter enemy.

Answer: Ahab

C. Finally, Elijah cast his mantle upon this man.

Answer: Elisha

18. Name these things found in the eye on a 5-10-15 basis.

A. FFP, this is the round opening that regulates the amount of light entering the eye.

Answer: Pupil

B. FTP, this clear, watery fluid nourishes and lubricates the cornea and lens and fills the space between them.

Answer: Aqueous humor

C. F15P, this gland produces the tears with which the eye can cleanse itself.

Answer: Lacrimal gland