

1997 Terrapin Invitational Tournament  
Questions by Andrew Yaphe (Virginia A)

1. While in hell, he meets Grandfather Satan, and he assumes the identity of Pope John XX in order to get into heaven. After his wife, Dame Lisa, is kidnapped, he follows her into the cave, beginning a journey on which he meets Nessus, Guenevere, Helen, and Koshchei (CO-shei), the creator of the universe. FTP, identify this title character of a 1919 "comedy of justice", a pawnbroker whose story, part of the biography of Manuel, was banned as obscene when first published by James Branch Cabell.

Answer: Jurgen

2. In 1758 he was captured by Indians, tortured, and would have been burnt alive if a French officer had not rescued him. He was at the battle of Lake George and helped to relieve Detroit from Pontiac's siege of 1764, but he made a name for himself in the Revolutionary War, when he was given command of Connecticut's forces in 1775. FTP, name this man, who fought at Bunker Hill, who was put in charge of the defence of the Highlands of the Hudson after he lost to Howe at Brooklyn Heights in 1776, and whose cousin Rufus was also a Revolutionary War general.

Answer: Israel Putnam

3. This composer's best-known work was written in 1899 as part of a Press Pensions Celebration. His output includes seven symphonies, a violin concerto, the string quartet Voces Intimae (wo-kays in-ti-my), and he wrote the popular Valse Triste for Jarnefelt's play Death. FTP, who is this composer of En Saga, The Swan of Tuonela, the Karelia Suite, and Finlandia?

Answer: Jean Sibelius

4. The sequence of chains in this kind of molecule is known as the primary structure. The coiling or pleating of those chains is the secondary structure, the three-dimensional shape of the coiled or pleated chains is the tertiary structure, and the structural relationship of the component chains is given by the quaternary structure. FTP, identify this group of organic compounds, which can be fibrous or globular, and which consist of polypeptide chains of amino acids.

Answer: proteins

5. The night before he fought a duel which he had provoked by his attacks on Ludwig Borne, he married Eugenie Mirat, a Parisian prostitute with whom he had been living for seven years. From 1848 to his death he was confined to his bed, suffering from spinal paralysis, but was still able to publish Deutschland, a satire, Romancero, a collection of poems, and Atta Troll. FTP, name this German poet of Jewish descent, best known for the lyric verse including "Die Lorelei" collected in A Book of Songs.

Answer: Heinrich Heine

6. This man was accepted into the studio of Jean-Leon Gerome, and studied in Spain and in Paris before returning to America in 1870. His portraits like The Pathetic Song and Amelia van Buren often show his subjects in moody, melancholic introspection. Mastery of the nude figure was so important to this artist that he enrolled in an anatomy course at Jefferson Medical College, where his most famous painting is set. FTP, who is this teacher of Henry Tanner and Thomas Anshutz, whose portrait of Dr. Samuel Gross was refused exhibition at the 1876 Philadelphia Centennial?

Answer: Thomas Eakins

7. After declaring its independence in 1976, fighting began between the Polisario Front and neighboring nations. Admitted to the Organization for African Unity in 1982, guerrilla warfare stopped under a U.N. ceasefire in September, 1991. FTP, identify this nation, whose capital is Ad Dakhla and which calls itself the Saharan Arab Democratic Republic.

Answer: Western Sahara

8. In the Proslogion, he argued that God must exist, because he is "that than which no greater can be thought." In Cur Deus Homo?, he argued that since there must be an infinite penalty for sin, Jesus must pay it. Leaving Italy in at age 22, he went to study with Lanfranc at the abbey of Bec in Normandy, and became abbot in 1078. FTP, identify this saint, and author of the Monologion who served as Archbishop of Canterbury from 1093 to 1109.



Answer : Anselm

9. His wife Antoinetta went insane after the birth of their third child, but he would not commit her to an asylum until 1918, when she began to pose a threat to the family. His first book, a collection of poems entitled Mal giocondo, was published in 1889, though he is better known for dramas like Henry IV and So It Is (If You Think So). FTP, name this Italian author, whose most famous play features the father, the mother, the stepdaughter, the son, the young boy, and the child, all of whom are in search of the author.

Answer: Luigi Pirandello

10. For a pure capacitance C, this quantity is given by one half pi times the frequency of the alternating current times C, while it is given by two pi times the frequency times L for any pure inductance L. More generally, it can be found by taking the square root of the quantity, the impedance squared minus the resistance squared. FTP, identify this property of a circuit, which joins with resistance to form impedance and which is also measured in ohms and which is symbolized by the letter X.

Answer: reactance

11. Its last line is "Lord Lord Lord caw caw caw Lord Lord Lord caw caw caw Lord." Its first line, "Strange now to think of you, gone without corsets and eyes, while I walk on the sunny pavement of Greenwich Village," refers to the author's mother Naomi, who died in 1956. FTP, identify this poem in five sections, described as a "Poem, narrative, hymn, lament, litany and fugue," and named after the Jewish prayer for the dead, a work of Allen Ginsberg.

Answer: Kaddish

12. After his greatest victory, he was disgraced in the Conway Cabal, here General Thomas Conway wanted to replace George Washington with him as the head of the Continental Army. Further disappointment occurred when he was transferred to the south, fighting an unsuccessful Carolina Campaign in 1780. Who, however, for ten points, as commander of an army in the north, defeated the British General John Burgoyne at Saratoga in 1777?

Answer: Horatio Gates

13. Born in Fort Worth, Indiana, she was discovered by Allan Dwan, who cast her as a tomboy in 1921's A Perfect Crime. Signed by Paramount in 1930, her first great role was in 1934's Twentieth Century, and she went on to star in numerous screwball comedies, notably My Man Godfrey, Nothing Sacred, and To Be or Not to Be. FTP, name this actress, born Jane Alice Peters, who starred in 1940's They Knew What They Wanted two years before her death in an airplane crash, leaving Clark Gable a widower.

Answer: Carole Lombard

14. On his way home from the Trojan War, he was driven to Campania, and he settled in Crimissa, founding a temple to Apollo. After he lit the funeral pyre on Mount Oeta for Hercules, he was given the bow and arrows dipped in the Hydra's blood, which would prove to be his ticket back to the war. FTP, name this Greek hero, who hurt himself at Tenebos and was abandoned at Lemnos for 10 years because of his moaning, but who was picked up after Helenus predicted that he would be needed to take Troy, the slayer of Paris.

Answer: Philoctetes

15. It uses two mirrors: the index mirror, which can be rotated around an axis perpendicular to its plane, and the horizon glass, in which only the lower half is silvered. An arm connected to the index glass goes around a calibrated arc, off of which angles are read. FTP, identify this instrument, which got its name from the fact that it originally used an arc of 60 degrees, and which was used by navigators to measure the altitudes of celestial bodies.

Answer: sextant

16. At one time, it was thought that he dictated his most famous book to Rusticano of Pisa. As a commander at the battle of Curzola in 1298, he was taken prisoner by the Genoese, and it was while in prison that he wrote his book. FTP, name this Venetian author, who helped to capture the city of Saianfu as the governor of Yang Chow, a position he served in after working as an envoy for Kublai Khan.

Answer: Marco Polo



17. In 1805 he was appointed professor of political economy at the East India College in Haileybury, and went on to write An Inquiry Into the Nature and Progress of Rent and Principles of Political Economy. Seven years earlier, he had been serving as curate at Albany, in Surrey, when he anonymously published an essay which attacked Rousseau's and Godwin's optimistic hopes. FTP, name this English economist, whose Essay on the Principle of Population claimed that there was a natural tendency for population to increase faster than its sustenance could.

Answer: Thomas Malthus

18. His inventions include a tide predictor, a harmonic analyzer, and a siphon recorder. The chief consultant on the laying of the first underwater Atlantic cable, he became rich after he patented a mirror galvanometer to speed the rate of telegraphic transmission. FTP, identify this British scientist, who is buried beside Isaac Newton in Westminster Abbey, and who established the second law of thermodynamics, as well as proposing, in 1848, the absolute scale of temperature named for him.

Answer: William Thomson or the first Baron Kelvin

19. He was the husband of Sabina Poppeia, who later became Nero's second wife and who was murdered by him. He was serving as governor of Lusitania in 68 A.D. when he joined a revolt against Nero. FTP, name this man, who turned on his co-revolutionary Galba when he was not appointed emperor, and who killed himself after Aulus Vitellius defeated his troops, only three months after becoming emperor in 69.

Answer: Marcus Salvius Otho

20. In its "Finale," we learn that Fred eventually became the owner of Stone Court, and that Celia made Sir James forgive her sister for marrying Will. In its "Prelude," the author considers the life of Saint Theresa of Avila, who serves as a parallel to the first character we meet in the book. FTP, identify this novel, whose characters include Caleb Garth, Rosamond Vincy, Mr. Casaubon, Will Ladislav, and Dorothea Brooke, the masterpiece of George Eliot.

Answer: Middlemarch

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21. After he lost an opera competition with the work which later became the cantata Das klagende Lied, he turned to conducting, taking positions in Prague, Budapest, and Hamburg. He became director of the Vienna State Opera House in 1897, but resigned ten years later, upset over anti-Semitic attacks, to become conductor of the New York Philharmonic. FTP, name this Austrian composer, whose symphonic works include The Song of the Earth, the Resurrection Symphony, and the Symphony of a Thousand.

Answer: Gustav Mahler

He served as minister to Mexico after the war, and went on to become a representative from California and registrar of the treasury. An aide to McClellan in 1861, he became commander of the army of the Mississippi after the siege of Corinth, defeating Price at Iuka and Bragg at Stone River. FTP, name this general, who was defeated by Bragg at Chickamauga, although he held Chattanooga.

Answer: William Rosecrans

Most of them are anaerobic, Gram negative, and live off of dead organic material. Common in waters which have been contaminated by sewage, Treponema, which is responsible for syphilis, is an example of them. FTP, identify this kind of nonrigid, corkscrew shaped bacterium, which moves by muscular flexings of the cell.

Answer: spirochete

His earliest paintings show the influence of Cranach and Durer, though he soon developed his own distinctive style. A city architect in Regensburg, he was moved by a 1511 visit to the Alps to paint landscape, becoming the head of the Danube school. FTP, name this Bavarian painter, one of the Kleinmasters who is best known for St. George in the Forest and Alexander's Victory.

Answer: Albrecht Altdorfer

1997 Terrapin Invitational Tournament  
Bonuses by UVA A

1. Answer the following questions about a religious sect FTP each.
  1. The founder of this sect became bishop of Ypres two years before his death in 1638. His most famous work rejected the conventional Catholic dogma of free will.  
Answer: Cornelius \_Jansen\_
  2. Jansen's controversial treatise tried to prove that this saint's teachings against the Pelagian heresy were opposed to the teachings of the Jesuits.  
Answer: Saint \_Augustine\_
  3. In 1642, this Pope condemned Jansen's book \_Augustinus\_ with his bull \_In Eminenti\_.  
Answer: \_Urban VIII\_
2. Identify the following works by Toni Morrison FTP each.
  1. In this novel, Pecola Breedlove becomes pregnant after having sex with her father and goes insane after developing a fixation on a friend's doll.  
Answer: The \_Bluest Eye\_
  2. This 1977 novel focuses on Milkman Dead's attempts to understand his family history.  
Answer: \_Song of Solomon\_
  3. Set in Ohio, like \_The Bluest Eye\_, it focuses on the friendship between the title character and Nel Wright Greene in the 1920's and 1930's.  
Answer: Sula
3. Identify the following Byzantine emperors FTP each.
  1. After a 20 year period of political turmoil, he restored order in 717 and ruled until his death in 741.  
Answer: \_Leo III\_ or \_Leo the Isaurian\_
  2. He ruled from 867 until 886, establishing a new legal code and instituting the Byzantine golden age.  
Answer: \_Basil I\_ or \_Basil the Macedonian\_
  3. In 1261, he took Constantinople, ending the Lating Empire and reestablishing the Byzantine Empire. He ruled until his death in 1282.  
Answer: \_Michael VIII\_ or \_Michael Palaeologus\_
4. Identify the physicists, for the stated number of points.
  5. In 1826, this German developed a law for measuring electric current, which derived from his studies of electric conduction in solids.  
Answer: Georg \_Ohm\_
  10. This British scientist simplified the formulations of quantum physics, developing a system that merged quantum mechanics and relativity, and predicting the existence of positrons and antiprotons.  
Answer: Paul \_Dirac\_
  15. This Scottish chemist and physicist invented the vacuum flask while attempting to liquefy hydrogen in the 1890's, and the type of flask is commonly known by his name.  
Answer: Sir James \_Dewar\_
5. Identify the seventeenth century painters from works FTP each.
  1. \_Water Mill with the Great Red Roof\_, 1670, and \_Ruins of Brederode Church\_, 1671.  
Answer: Meindert \_Hobbema\_
  2. Portraits of William III, Lady Arundel, and Charles I  
Answer: Sir Anthony \_Van Dyck\_
  3. \_Skittle Players Outside an Inn\_, 1660, and \_The World Upside Down\_, 1663.  
Answer: Jan \_Steen\_
6. Identify the following works by John Steinbeck for the stated number of points.
  1. 5 points: This 1945 novel returned to the Monterey depicted in \_Tortilla Flat\_ ten years earlier.  
Answer: \_Cannery Row\_
  2. 10 points: This 1936 work deals with striking migratory workers in the fruit orchards of California, and can be seen as a prelude to \_The Grapes of Wrath\_.  
Answer: \_In Dubious Battle\_



3. 15 points: Steinbeck's second novel, it is about a pagan farmer in California who sacrifices himself on an altar to end a drought.

Answer: To a God Unknown

7. Identify the following influential figures from twentieth century epistemology FTP each.

1. This professor of mathematics at the University of Jena is best known for an 1892 paper, "On Sense and Reference," which distinguished between the sense of a sentence and its nominatum, which the author defined as its truth-value.

Answer: Gottlob Frege

2. His theory of descriptions, as outlined in the article "On Denoting" and the book Logic and Knowledge, substitutes variables for denoting phrases in propositions.

Answer: Bertrand Russell

3. This Harvard professor's important writings include "On What There Is," an attack on universals; "Two Dogmas of Empiricism," which attacks the division between analytic and synthetic truths; and "Epistemology Naturalized," which seeks to end epistemology as a philosophical discipline.

Answer: Willard Van Orman Quine

8. Answer the following questions about the ear, FTP each.

1. Technically known as the incus, it is one of the three ear ossicles, along with the malleus and the stapes.

Answer: the anvil

2. Also known as the auricle, it is the visible portion of the outer ear, designed to shunt sound waves into the external auditory meatus.

Answer: the pinna

3. This organ in the ear is attached to the utriculus and contains endolymph. Swellings called ampullas contain sensory cells that respond to movement of the endolymph.

Answer: the semicircular canals

9. Identify the following early operas FTP each.

1. Although the score of this 1597 work by Corsi, Peri, and Rinuccini has not survived, it is considered to be the first opera. It shares its name with the first German opera, which was written by Heinrich Schutz.

Answer: Dafne

2. The earliest opera whose libretto and score both survive is this work by Jacopo Peri, which premiered at Florence's Pitti Palace in 1600.

Answer: Euridice

3. This Henry Purcell work, which was first performed by students at a London school for girls in 1689, is the first English opera.

Answer: Dido and Aeneas

10. Identify the following figures from a controversy over conservation FTP each.

1. While serving as Taft's secretary of the interior, he reopened land in Wyoming and Montana for public sale. Accused of siding with corporations against the environment, he resigned in 1911 to save the Taft administration from further embarrassment.

Answer: Richard Ballinger

2. This director of the U.S. Forest Service accused Ballinger of selling out to corporations. After Senator Dolliver read a letter by this man criticizing Ballinger to the Senate, Taft ordered him to be removed from office.

Answer: Gifford Pinchot

3. Pinchot's case was widely publicized by this man, a special agent of the Interior Department's Field Division who wrote an article in Collier's saying that Ballinger had helped the Guggenheims to gain Alaskan coal lands.

Answer: Louis Glavis

11. Answer the following questions about a group of elements FTP each.

1. Also known as the rare-earth elements, these range in proton number from 58 to 71.

Answer: lanthanoids or lanthanides or lanthanons

2. This effect, resulting from the ineffectiveness of 4f orbitals in shielding the outer electrons from the nucleus, explains why zirconium and hafnium are so similar.

Answer: the lanthanoid contraction

3. This is the outermost electron configuration of all lanthanoid elements.

Answer: 6s<sup>2</sup> (read six ess two)

12. Answer the following questions about a cycle of novels FTP each.

1. Published from 1951 to 1975, this is the collective name for a series of 12 novels which include A Question of Upbringing, Casanova's Chinese Restaurant, and Hearing Secret Harmonies.

Answer: A Dance to the Music of Time

2. Name the author of A Dance to the Music of Time.

Answer: Anthony Powell

3. Identify the protagonist of the novels, whose life is traced over a fifty year period beginning in the 1920's.

Answer: Nicholas Jenkins

13. Given a figure from Greek myth, identify the organism into which he was transformed for the stated number of points. If you're in doubt, the transformation given in Ovid's Metamorphoses will be considered the correct answer.

5. Actaeon

Answer: a stag

10. Philemon and Baucis

Answer: trees

15. Ceyx and Alcyone

Answer: birds (specifically, kingfishers)

14. This bonus will test your knowledge of "Playboy" -- but, unfortunately, not the magazine. Answer the following about world leaders who were playboys for ten points each.

a. This future king of Great Britain had a fling with his own Mrs. Robinson, an actress, years before he would become Prince Regent.

Answer: George IV

b. He was born Hsuan T'ung, but he took the first name Henry, and became emperor of Manchukuo in 1934.

Answer: Henry Pu-Yi

c. This Indochinese ruler enjoyed fast cars and fast women, even after he was called by the French to rule the State of Vietnam in 1949.

Answer: Bao Dai

15. Identify the following plays by George Bernard Shaw for the stated number of points.

1. 5 points: Professor Henry Higgins teaches Eliza Doolittle to be a lady in this play.

Answer: Pygmalion

2. 10 points: At the end of this play, Boss Mangan is killed in a bomb attack, and Ellie marries Shotover, the owner of the title building.

Answer: Heartbreak House

3. 15 points: Dick Dudgeon is sentenced to death instead of Parson Anderson in this play, set in America.

Answer: The Devil's Disciple

16. Identify the following scientific techniques named after people, FTP each.

1. In his method of measuring the speed of light, a rotating cogwheel transmits flashes to a mirror, and the speed of light is calculated by observing the rates of rotation of the wheel necessary to make an eclipse of the returning light.

Answer: Fizeau's method or Armand Fizeau

2. The left hand rule to remember the directions of field and force in an electric motor and the right hand rule to remember those directions for a generator are named for this scientist, who came up with the mnemonic.

Answer: Sir John Ambrose Fleming or Fleming's rules

3. A series in which a periodic function is represented as an infinite series of sine and cosine functions is named for this French mathematician.

Answer: Joseph Fourier or a Fourier series



17. 30-20-10, name the author from works.

30. The Brass Butterfly and Rites of Passage

20. Pincher Martin and The Inheritors

10. Lord of the Flies and Darkness Visible

Answer: William Golding

18. Answer the following questions about the early history of the Ottoman Empire FTP each.

1. Shortly after this 1389 battle, in which Murad I defeated a coalition of Slavs, Murad was assassinated by a Serb.

Answer: Kosovo

2. This emperor came to the throne after Murad's death and began his reign by having Yakub, his brother, strangled. His rule ended in 1402, when he was captured at the battle of Angora.

Answer: Bayazid I

3. Under the reign of Mohammed the Conqueror, the Ottomans laid siege to this city in 1453, pillaging it and repopulating it with Greeks.

Answer: Constantinople

19. Identify the psychologists, for the stated number of points.

1. 5 points: This American published Principles of Psychology in 1890.

Answer: William James

2. 10 points: This German established the first experimental laboratory for psychology in Leipzig in 1879.

Answer: Wilhelm Wundt

3. 15 points: Born in 1745, this pioneering French psychologist worked at the Bicetre asylum in Paris. He was one of the first people to scientifically describe mental disorders, and attacked the belief that mental illness was caused by demonic possession.

Answer: Philippe Pinel

20. Identify the twentieth century artists responsible for the following works, for ten points each.

1. 5 points: Burning Giraffe and Last Supper

Answer: Salvador Dali

2. 10 points: Reclining Person with Hypodermic Syringe and Study After a Portrait of Pope Innocent X

Answer: Francis Bacon

3. 15 points: Lipstick on Caterpillar Tracks and The Street, The Store, The Home

Answer: Claes Oldenburg

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Identify the following people and things from the French Revolution FTP each.

1. At this battle of September 20, 1792, French forces forced the Prussians to retreat back across the Rhine.

Answer: Valmy

2. He was executed on April 6, 1794, for opposing the extremes to which Robespierre had gone.

Answer: Georges Danton

3. This document, signed in August of 1791, stated that Austria and Prussia intended to restore the monarchy by military means.

Answer: the Declaration of Pillnitz

Given some twentieth-century operas, name their composers FTP each.

1. Angel of Fire and War and Peace

Answer: Sergei Prokofiev

2. Capriccio and Ariadne auf Naxos

Answer: Richard Strauss

3. easier

Identify these different kinds of microphones FTP each.

1. In this type of microphone, sound waves contact a low mass conductor in a magnetic field, causing it to oscillate.

Answer: dynamic microphone

2. This type of microphone is widely used in telephones. In it, a diaphragm acts as a movable electrode which contacts granules of the element that gives the type its name.

Answer: carbon microphone

3. In this type, sound waves cause an armature to oscillate, which causes the reluctance of a magnetic circuit to vary.

Answer: moving-iron microphone

Answer the following questions about a difficult time in relations between Mexico and the United States FTP each.

1. When an unarmed party from the U.S.S. Dolphin went ashore here on April 9, 1914 to get supplies, they were arrested by Huerta's troops for violating martial law.

Answer: Tampico

2. Although the men were released quickly, along with apologies from a senior officer, this admiral demanded that the port commander apologize and raise the American flag ashore, giving it a 21-gun salute. Despite the fact that he had come up with these demands on his own, Wilson decided to back him up.

Answer: Henry T. Mayo

3. After Huerta refused to salute the flag, Congress authorized Wilson to use force to redress American grievances. Upon learning that a German munitions ship was approaching, the American navy bombarded this port city and occupied it.

Answer: Vera Cruz

Answer the following questions about bridges FTP each.

1. The first suspension bridge in the U.S. was built at Uniontown, in this state, in 1801.

Answer: Pennsylvania

2. He designed the first railway suspension bridge, the Niagara Bridge, in 1855, but is better remembered for another bridge which was finished by his son.

Answer: John Roebling

3. When this bridge was completed in 1877, it was considered one of the seven wonders of the modern world. Unfortunately, it was destroyed by a storm two years later.

Answer: the Firth of Tay bridge

20. If you've found it difficult to get through the Faerie Queene, this bonus is for you. Identify the following characters from the first book of Spenser's epic for the stated number of points.

1. 5 points: The first book centers on this knight, who exemplifies holiness.

Answer: the Red Cross knight

2. 15 points: The Red Cross knight is deceived by this wizard, who deceives him into believing that his lady has been unfaithful.

Answer: Archimago

3. 10 points: This is the lady who accompanies the Red Cross knight, who is befriended by a lion that protects her, and who marries the Red Cross knight at the end of the book.

Answer: Una