

**Terrapin Invitational Tournament 1994**  
**Toss-ups by Cornell and Vishnu Jejjala**

1. In 1865, five men escaping Richmond in a balloon were caught in a storm and fell into the sea. Washing up on Lincoln Island, they set up a colony and prospered, in part due to the occasional strange appearance of equipment when needed. Eventually, they were led to their dying benefactor, whose last wish was to be buried at sea in his submarine. FTP, this is the plot of what Jules Verne novel featuring the death of Captain Nemo?  
(THE MYSTERIOUS ISLAND)

2. The first pair of brothers to run for U.S. President, one was known for negotiating the Treaty of San Lorenzo, and never got his party's nomination, running as the Vice President on the Federalist ticket in 1796, while the other ran as the Federalist Presidential candidate in 1804 and 1808, and as a member of the commission in the XYZ affair, is reputed to have uttered "Millions for defense, but not one cent for tribute!". FTP, identify the shared last name.  
(Charles and Thomas PINCKNEY)

3. After graduating from Oglethorpe University in his native Georgia in 1860, he served as a Confederate soldier in the Civil War and was captured and imprisoned in Point Lookout. The first flutist of Baltimore's Peabody Symphony Orchestra, he attempted to achieve the auditory effects of music in his poetry, and in "The Symphony", he illustrates the relationship between poetry and music. FTP, identify this poet, best known for "The Song of the Chattahoochee" and "The Marshes of Glynn".  
(Sidney LANIER)

4. Founded as Throop Polytechnic Institute in 1891, its facilities today include a marine biology lab at Corona del Mar, a radio astronomy facility at Bishop, and an observatory on Palomar Mountain. Eminent figures who have done research there include Linus Pauling, Murray Gell-Mann, and Richard Feynman. FTP, identify this West Coast school, which in conjunction with NASA jointly operates the Jet Propulsion Laboratory.  
(CAL TECH)

5. It never existed, though it was proposed to exist by Leverrier in 1845 to explain a discrepancy in Mercury's orbit. Relativity explained the discrepancy and the name of this mythical planet moved into science fiction. FTP, give this name, taken from the Roman deity sometimes called Mulciber who was invoked to ward off fires and was the Latin equivalent of Hephaestus.  
(VULCAN)

6. Its use of "spreads", the difference between the price paid by a buyer and a seller, has been an issue since its inception, but a recent academic study and civil lawsuits alleging price fixing have drawn the attention of the Justice Department, now investigating it for possible antitrust violations. FTP, identify this over-the-counter stock market, popular among upstart high tech companies.  
(NASDAQ)

7. In ceramics, it refers to the use of enamel to form a decoration in low relief. In painting, it refers to a technique used by Rubens, Rembrandt, and Velazquez to emphasize features of a painting that was further developed by

Manet and Van Gogh to provide a sense of texture. FTP, name this oil painting technique in which paint is applied in sufficient quantity to make it stand out from the surface.

(IMPASTO)

8. It is a 300 foot deep canyon gouged through lake sediment and volcanic ash. Though this region was known to contain human fossils for many years, the 1959 discovery of Zinjanthropus here, established the birthplace of the human species in Africa, and triple the then established timespan of human development. FTP, what is this Tanzanian canyon area where Louis & Mary Leakey worked?

(OLDUVAI Gorge)

9. He was said to be a painter and tradition holds that he painted a portrait of the Virgin Mary. He was the only non-Jew to write a book of the Bible, and his two books comprise more than one-fourth of the New Testament, both written to a man whose name means "one who loves God." FTP, identify this man referred to by Paul as "our dear friend... the doctor" who is said to have penned the Acts of the Apostles as well as the third book of the New Testament.

(LUKE)

10. It is a relatively inert transition element that resembles molybdenum. Among metals, it has the lowest coefficient of linear thermal expansion, the highest tensile strength above 1650 degrees Centigrade, and the highest melting point. FTP, identify this metal, whose name is derived from the Swedish for "heavy stone", commercially derived from the minerals scheelite and wolframite.

(TUNGSTEN)

11. Twice a delegate to the Continental Congress, he was largely responsible for concessions made to slaveholders during the Constitutional Convention. A member of the first Supreme Court, he stepped down from the court in 1791 to serve as chief justice of the South Carolina Supreme Court, and was an outspoken opponent of the Jay Treaty in 1794. FTP, name this South Carolina governor, whose 1794 opposition to this treaty cost him Senate confirmation as Chief Justice of the United States in 1795.

(John RUTLEDGE)

12. Anton Chekhov might never have developed into one of the great Russian authors if not for the notice of this other writer, who helped him to get a financially secure job for a St. Petersburg daily. FTP, identify this author, a leader of the Natural School, whose works include two studies of peasant life: "Derevnya", or "The Village", and "Anton-Goremyka".

(Dmitry GRIGOROVICH)

13. Chief of the engineering corps at West Point during the American Revolution, he conducted a blockade of Charleston. Following the war, he was made a Brigadier General in the US Army. Soon after, he returned to his native Poland, to try to remove Poland from Russian control. FTP, name this freedom fighter, namesake of the highest peak in Australia.

(Tadeusz \_KOSCIUSKO\_) "kooz ee ooze ko"

14. It demanded precision in the presentation of the individual image, and in cadence used a controlled free verse referred to as "the musical phrase". Influenced by the aesthetics of Henri Bergson, medieval philosophy, and Japanese poetry, its leading exponents included Richard Aldington, William Carlos

Williams, HD, and Amy Lowell. FTP, identify this theory of poetry developed under the leadership of T.E. Hulme and Ezra Pound.

(IMAGISM)

15. His court-martial for insubordination was a result of comments he made about the crash of the US dirigible Shenandoah. A posthumous Congressional Medal of Honor recipient, he was the first to demonstrate the effectiveness of aerial bombing in wartime. FTP, name this Major General and hero of WWI.

(Billy \_MITCHELL\_)

16. The quantum version of this phenomenon was discovered by von Klitzing. This effect can be used to measure the density of current carrying metals and semiconductors, but more often is used for constructing devices for detecting and measuring magnetic fields. FTP, identify this effect, in which current flow in a solid perpendicular to a magnetic field produces a transverse current flow.

(HALL effect)

17. An appropriations bill signed last month provides nine million dollars for the first museum dedicated to American P.O.W.'s from all wars. It is currently home to the remains of 2000 veterans from the Spanish-American through the Vietnam war. FTP name this village in West Georgia where nearly thirteen thousand Union troops died while held prisoner there.

(ANDERSONVILLE)

18. He made his reputation chiefly as a pianist since his compositions attracted little attention until his death. A deep interest in folk music led him on searches for hitherto unheard songs and dances with the help of Zoltan Kodaly. Following the hostile reaction to his "Miraculous Mandarin," he determined to never again appear on stage in his native country. FTP name this Hungarian composer of the piano pieces "Allegro barbaro" and six brilliant violin concerti.

(Bela' BARTOK)

19. He maintained that history has a natural development in which every culture is a distinct, organic form that grows, matures, and dies. Predicting a phase of "Caesarism" in the further development of human civilization, his views were very popular with the Nazis though he sympathized with the plight of the Jews. FTP identify this German philosopher whose pessimistic attitude towards the post World War I era is reflected in \_The Decline of the West\_.

(Oswald SPENGLER)

20. The alphabet of this ethnic group was invented by Mesrop Mashtots around 400AD. Their's has been a turbulent history. Captured by Alexander and the Romans, it became their nation became the first to adopt Christianity as its state religion. When Hitler planned the Holocaust, he mentioned their slaughter, saying "Who remembers what happened to [them]?" Speakers of their language number over 4 million worldwide. FTP, name this ethnic group, namesake of a former Soviet republic with the capital of Yerevan.

(\_ARMENIANS\_)

21. Asterope -- Celaeno -- Taygete -- Merope -- Alycone -- Electra -- Maia -- FAQTP, these are the seven members of what group from Greek mythology, the daughters of Atlas and Pleione, a name also given to the star cluster of which these are the seven brightest stars?

(PLEIADES)

22. This form of psychotherapy is based on the idea that individuals develop "scripts" which allow them to structure time so as to obtain a maximum number of

"strokes", activities acknowledging the presence of another person. FTP, identify this method, popularized in "Games People Play" and "I'm OK, You're OK." (TRANSACTIONAL ANALYSIS)

23. When cornered by police in 1880, he jury-rigged a suit of armor out of a pot

belly stove, and went out to confront the police. Unfortunately for him, the police soon starting shooting at his unarmored legs, took him captive, and eventually hung him in Melbourne. FTP, identify this rural Australian outlaw, the last and most famous of the bushrangers.

(Ned KELLY)

24.

It requires three or four layers -- the trullisatio, the arricciato, the optional arenato, and the intonaco -- and when the coat prior to the intonaco is

dry, the drawing is sketched on, with the intonaco applied to each part individually. Famous examples of this style can be found at the Arena Chapel in Padua and Saint Francesco's at Assisi. FTP, identify this painting style, in which a painting is executed on wet plaster.

(FRESCO)

25.

The liver -- the pancreas -- the lacrimal glands -- the mucus glands -- the salivary glands -- the sweat glands -- these are all a part of, FTP, what system which releases substances to other organs or the skin?

(EXOCRINE SYSTEM)

26.

If major league baseball resumes next year with strike players, Cal Ripken's run at Lou Gehrig's record will fall tragically just short. No such problems in the National League, though, as the longest active streak there, 277 games, is just getting started. FTP, identify the player with this streak, a left fielder, first baseman, and potential third baseman for the Florida Marlins.

(Jeff CONINE)

27.

On September 27th, Chad Hudeby made history, finishing with a time of seven hours, seventeen minutes to smash Penny Dean's record by 27 minutes. FTP, what feat did Hudeby accomplish, first accomplished by Gertrude Ederle?

(CROSSING THE ENGLISH CHANNEL, accept equivalent phrasings)

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**Bonus Questions by Cornell, Vishnu Jejjala, and Marc Swisdak**

1. a. It was the site of what began as a rally against the U.S. incursion into Cambodia, but got out of hand when the university's ROTC building was burned down, resulting in National Guardsmen being brought in to quell rioting by then governor James Rhodes. First, for 5 points, identify this Ohio school.

(KENT STATE)

b. In the wake of the Kent State tragedy, Nixon established a special President's Commission on Campus Unrest to look into the incident. FTP, name the former Pennsylvania governor who headed this commission.

(William SCRANTON, accept "Scranton Commission")

c. The Scranton Commission also examined another incident that took place less than two weeks after Kent State, in which state highway police opened fire on protesters at this institution, killing 2. For 15 points, name this historically black Mississippi college.

(JACKSON STATE)

2. 30-20-10 Identify this Biblical book.

(30) It's the only book of the Bible to contain a specific blessing for those who read or hear it and take it to heart. The book is highly symbolic and introduces mystical numbers.

(20) It's the only book of the Bible in which God is referred to as "the Alpha & the Omega. The author of the book was a prisoner of Rome on the island of Patmos.

(10) The only book of prophecy in the New Testament, it features a vision of the end of the world.

(REVELATION of St. John the Divine)

3. FTP each, identify these economic theories of consumption from a description.

1. It holds that in the long term, the proportion of income a household consumes depends not on absolute income, but on income as compared with other households.

(RELATIVE INCOME theory)

2. It holds that consumption depends on the expected total resources over a lifetime, rather than on a single year's earnings.

(LIFE CYCLE theory)

3. It holds that consumption depends on the basic earning potential of a spending unit, derived from personal attributes and property net worth.

(PERMANENT INCOME theory)

4. For reflection of electromagnetic waves off a crystalline structure to achieve maximum intensity, the angle of incidence must satisfy the equation  $n \lambda = 2d \sin \theta$ , where  $\lambda$  is the wavelength of the waves and  $d$  is the distance between planes in the crystal. First, FTP, by what name is this law commonly known?

(BRAGG's law)

In 1925, this scientist pointed out that the theoretical wave nature of matter could be tested using the same concept, by firing a beam of electrons at a crystalline solid. For 20 points, name this scientist, who also carried out research in geomagnetic phenomena and the molecular basis of life, the author of

"Atom and Organism" and "The Chief Abstractions of Biology".

(Walter ELSASSER)



5. (TACTILE)

You know about flat head and Phillips head screwdrivers, but how well do you know the drivers for other types of screw heads? In the box you have been given you will find three bits or drivers to fit three screw heads. As prompted by number, give the \*technical\* name -- two proper names and one trademark -- for that type of screw head.

- (5) Number One? (ALLEN wrench/or screw or bit -- Do not accept "hex")  
(10) Number Two? (TORX (pronounced "torque") screw or bit)  
(15) Number Three? (ROBERTSON screw or bit -- Do not accept "recess square"--we're after the \*technical\* name)

6. While many authors are better known by their pseudonyms, some authors who wrote under pseudonyms are better known by their real names. FTP each, given a pseudonym, give the real name by which the author was better known. Five points are awarded if you need a work.

10: Constant Reader

5: Enough Rope and After Such Pleasures (Dorothy PARKER)

10: Lady Geraldine

5: The Tenant of Wildfell Hall and Agnes Grey (Anne BRONTE)

10: Mary Westmacott

5: The Pale Horse and Witness for the Prosecution (Agatha CHRISTIE)

7. In July, 1993, an Iranian jet landed at Vienna Airport for an exchange -- not of prisoners or state secrets, but of artistic masterpieces.

a. The West received the semi-abstract nude painting "Woman III", trapped and hidden away in the Tehran Museum of Contemporary Art since 1979 -- FTP, who painted it?

(Willem DE KOONING)

b. Iran, in return, received three boxes containing remnants of a Persian book of poetry and art, an epic poem of more than fifty thousand couplets by the Persian poet Firdawsi originally illustrated with 258 miniature paintings, broken up by Arthur Houghton between 1970 and 1990. For 20 points, name this work.

(SHAHNAMEH or BOOK OF KINGS)

8. Identify these winners of the Nobel Prize for Chemistry from the year they won FTP. Five points are awarded if you need a second clue.

10: 1958 & 1980

5: He won the former for discovering the structure of insulin and shared the latter for research on nucleic acids. Frederick SANGER

10: 1908

5: He won for discovering that atoms can be broken apart by alpha rays. ✓ Ernest RUTHERFORD

10: 1936

5: he won for studying the dipole moments and diffraction of x-rays and electrons in gases. Peter DEBYE

9. Identify the composers of the following operas FTP each.

- |                          |                           |
|--------------------------|---------------------------|
| a. Fidelio               | Ludwig van BEETHOVEN ✓    |
| b. Iphigenie en Tauride  | Christoph Willibald GLUCK |
| c. Norma                 | Vincenzo BELLINI ✓        |
| d. L' Italiana in Algeri | Giochammo ROSSINI         |
| e. La Clemenza di Tito   | Wolfgang Amadeus MOZART ✓ |
| f. The Tales of Hoffmann | Jacques OFFENBACH ✓       |

9. a) The Second Peloponnesian War eventually became a conflict primarily between Athens and Sparta; however, Sparta was not directly involved in the origins of the conflict, entering after complaints of aggression by other members of the Peloponnesian League. First, for five points, what non-aggression treaty ending the First Peloponnesian War did Sparta decide Athens violated?

(THIRTY YEARS' Treaty)

b) Athens' first move of aggression was to make a defensive alliance with Corcyra, a colony of a member of the League, and Athens later ordered ally Potidaea, also a colony of this same member, to break off relations with its founder city. FTP, which city-state?

(CORINTH)

c) Athens' other primary act of aggression was to ban another ally of Corinth and Sparta from access to the eastern seas, guaranteed under the Thirty Years' Treaty. For 15 points, name this city-state.

(MEGARA)

10. The philosophical theory of vitalism holds that living objects are innately different from inanimate objects. So life can't be explained by materialistic theories since it is based on a vital force different from physical forces. Answer the following questions about vitalism for the stated number of points.

5: One of the first prominent vitalists was this Greek who expounded his theory in his Physics and Metaphysics. Name him.

ARISTOTLE /

10: This French philosopher also believed in vitalism. His work in this field complements his theories on time and change which form the basis for parts of Proust's A Remembrance of Things Past. Name this proponent of creative evolution.

Henri BERGSON /

15: In Bergson's view there is an evolutionary force in organisms that propels life to achieve higher levels of structure. Name this spirit of energy and life.

ELAN VITAL /

11. Name these literary critics FTP each.

a. Earning renown as a prose moralist, most notably in his periodic essays in The Rambler and The Idler, his literary style is severely balanced, Latinate, and pithy. His 1765 edition of Shakespeare, historical and interpretive in approach, greatly stimulated scholarship.

Dr. Samuel JOHNSON /

b. A schoolmate of Coleridge, he held a special sympathy for Elizabethan and early seventeenth century writers. His essays are contained in two series entitled Essays of Elia and include such classics of the genre as A Dissertation on Roast Pig and Dream Children.

Charles LAMB /

c. A member of the Bloomsbury Group, his central concern was that individuals should connect the prose with the passion within themselves. His Aspects of the Novel amplifies and explains the symbolic and structural devices he employed in his own work.

Edward Morgan FORSTER

12. Just like art has prevailing styles that dominate certain periods, so too does architecture. Identify the following architectural styles for the stated number of points.

5: Employed in Europe in the 13th, 14th, and 15th centuries, it used pointed arches, ribbed vaults, and buttresses. Notre Dame cathedral in Paris is one example.

GOTHIC /

5: This style was developed in southern and western Europe after 1000 AD and used heavy masonry, round arches, barrel vaults, and central and western towers.

ROMANESQUE /

10: Based on Italian Romanesque, this French style was used in castles, abbeys, and churches of monumental proportions. Sparse decorations and round arches are prevalent.

NORMAN ✓

10: This style was based on the principles of the Italian Andrea Palladio and was taken to England by Inigo Jones and Christopher Wren. It was the prototype for the American colonial style.

GEORGIAN

13. Boundary value problems for elliptic equations can be generalized and reduced into three basic problems. For the stated number of points, given the boundary condition for the problem the Laplacian of  $u$  equals zero, identify the proper name given to the problem.

(5)  $u$  equals zero on the boundary.

(DIRICHLET problem)

(10) The normal derivative of  $u$  equals zero on the boundary.

(NEUMANN problem)

(15) The sum of the normal derivative of  $u$  and a constant times  $u$  ~~on~~ equals zero on the boundary.

(ROBIN problem)

14. Identify these literary works with the word "gold" in their title for the stated number of points.

5: In this short story William Le Grand accidentally discovers a cipher giving the location of a buried treasure, and with the use of a scarab, he uncovers a fortune.

"The GOLD BUG" by E.A. Poe

10: The common, alternate title of a 2nd century novel named Metamorphosis, a licentious young man Lucius is transformed into a donkey by a sorceress in Thessaly. His wanderings are an example of a picaresque novel.

The GOLDEN ASS by Lucius Apuleius

10: The heroine Maggie Verver marries the impoverished prince Amerigo. Her friend Charlotte Stant who had an affair with the prince marries her father and surreptitiously continues her affair. The novel deals with Maggie's discovery of and reaction to this liaison.

The GOLDEN BOWL by Henry James

5: A comprehensive work on comparative religion and mythology, it greatly influenced the creation of Finnegan's Wake and The Waste Land.

The GOLDEN BOUGH by James Frazer

15. You can name the provinces of Canada, but can you identify the states of our southern neighbor Mexico. Identify these Mexican states on a 10-5 basis.

10: Partially located on the Yucatan peninsula, it borders the rebel state of Chiapas. Its capital is Villahermosa.

5: It also names a very hot sauce made from tropical red pepper.

TOBASCO

10: This state borders the states Campeche and Quintana Roo. Its capital is Merida.

5: It shares its name with the peninsula on which it is located.

YUCATAN.

10: This state borders Arizona, New Mexico, and the Gulf of California. Its capital is Hermosillo.

5: It lends its name to a great desert of the southwestern United States and northwest Mexico.

SONORA

16. 30-20-10 Identify this person.

(30) His favorite card game was Bezique, and in his day, he was one of the world's best players.

(20) During the Boer War, he achieved fame by helping to rescue an armored train ambushed by Boers, being taken captive, and escaping from a military prison



less than a month later.

- (10) He was also an author, penning such works as "Marlborough: His Life and Times" and the six volume "The Second World War".

(Winston CHURCHILL)

17. When you only get one trash question in a packet, you have to \*really\* make it count. So, for ten points each, identify these new afternoon TV shows this season, all hoping to cash in on the Power Rangers bonanza.

- a: Teenagers gain the ability to transform into martial arts superheroes, aided by Professor Hart and Zeb the Talking Dog against the evil minions of Grimlor. Arguably the worst theme song of the group.

(VR TROOPERS)

- b: Teenagers gain the ability to transform into martial arts superheroes, traveling into computer networks to fight computer viruses unleashed by hacker Malcolm. A cross between Power Rangers and Saved by the Bell.

(SUPERHUMAN SAMURAI CYBER SQUAD)

- c: As usual, teenagers gain the ability to transform into martial arts superheroes, as Nimbar sends them out as Galactic Sentinels to do battle with the minions of Lechner. USA Network's entry in the field.

(TATTOOED TEENAGE ALIEN FIGHTERS FROM BEVERLY HILLS)

18. 30-20-10 Identify this man.

- (30) In conjunction with Jacques Cousteau, he took the first deep sea photographs at the then unprecedented depth of four miles.

- (20) During World War II, he constructed large stroboscopic units to photograph night operations of Axis troops, developing a beacon with a range of fifty miles.

- (10) He's best known for his stop-action photographs of such everyday actions as

a man hitting a tennis ball, a bullet piercing an apple, or a drop of milk splashing on a saucer.

(Harold EDGERTON)

19. You're of course familiar with John Dos Passos' USA trilogy -- but FTP each, name the three books in Dos Passos' \*second\* set, the District of Columbia trilogy.

(ADVENTURES OF A YOUNG MAN, NUMBER ONE, THE GRAND DESIGN)

20. 30-20-10 Name this politician.

- (30) As assistant secretary of Labor under LBJ, he helped develop the Office of Economic Opportunity, and defended it during his brief tenure as executive secretary of the Urban Affairs Council under Nixon, despite his own published criticism in "Maximum Feasible Misunderstanding."

- (20) As a member of the Policy Planning and Research Office, he published an analysis of the problems in the black community arguing that the only solution was to face the legacy left by slavery, which drew criticism from militant blacks for its stark portrayal of black problems.

- (10) This Democratic Senator from New York was one of the leaders of the opposition to Clinton's health care legislation.

(Daniel Patrick MOYNIHAN)

21. For fifteen points each, given a description, identify the ethical school of thought.

1. This ethical philosophy holds that some acts, such as keeping a promise or

telling the truth, are moral obligations regardless of their consequences.  
(DEONTOLOGY or DEONTOLOGICAL ETHICS)

2. This moral theory holds that whether an action is morally right depends solely on its expected consequences.  
(TELEOLOGICAL ETHICS)

22.

No, it's not "People can't remember computer industry acronyms" -- PCMCIA devices are taking the computer industry by storm, delivering a form of "plug and play" capability to the computer industry. For 5 points a word, what does the acronym PCMCIA stand for?

(Personal Computer Memory Card International Association)

23.

On October 12th, Clinton announced 200 million dollars in grants for 400 communities to hire police. First, for fifteen points, whose police force will receive grants for 78 new officers, more than twice the second place city?  
(PUERTO RICO)

Now, for fifteen more points, name either of the two cities to receive funding for 40 officers each, both U.S. cities.

(LITTLE ROCK, OMAHA)

24.

FTP each, given the recipe for a drink, identify the drink.

1. Two oz. Scotch Whiskey, 1 oz. Drambuie (RUSTY NAIL)
2. One oz. gin, one oz. orange juice (ORANGE BLOSSOM)
3. One and a half oz. gin, 1 teaspoon powdered sugar, 1 teaspoon cream, and one egg white. (WHITE LADY)

25. 30-20-10 Novel from a list of characters.

- (30) Old Sally, Jack Dawkins  
(20) Rose Maylie, Bill Sikes  
(10) Edward Leeford, Mr. Bumble  
(OLIVER TWIST)

26. One of the recent trends in historical research had been to explore the everyday workings of the common people during certain historical events. One example is the study of the bourgeoisie during the French Revolution. For 20 points, what 17-letter German term describes this type of historical study?

(\_VOLKSGEMEINSCHAFT\_) (Just like it's spelled)

One example of volksgemeinschaft is the 1986 Claude Lonsman film which details events in the lives of Jews during the Holocaust. For an additional ten points, name this 9-1/2 hour film.

(\_SHOAH\_)

27.

Built in Chicago in 1885, it was the first building to utilize a metal skeletal frame, and is considered to be the first skyscraper built. For 15 points each, identify the building and the architect who designed it.

(HOME INSURANCE COMPANY BUILDING, William JENNEY)

28.

Given a musical work, identify its French composer FTP each.

1. The oratorio "King David" (Arthur HONNEGER)
2. The operetta "Orpheus in the Underworld" (Jacques OFFENBACH)
3. Symphonie fantastique (Hector BERLIOZ)

29.

Excluding the World Trade Center and Empire State Building, New York City still has 4 skyscrapers that are at least 900 feet in height. For 5 points each name these four buildings, with a five point bonus for all correct, and another five point bonus for placing them in order from tallest to shortest.

(CHRYSLER BUILDING, AMERICAN INTERNATIONAL BUILDING, 40 WALL TOWER, CITICORP CENTER)

30.

FTP each, given a mammal, identify its order.

1. Platypus (MONOTREMATA)
2. Bats (CHIROPTERA)
3. Manatees (SIRENIA)

31.

Place the following Shakespearian plays in chronological order from earliest to latest written, with a five point bonus for all five: As You Like It, Comedy of Errors, Measure For Measure, The Merchant of Venice, The Tempest.

(COMEDY OF ERRORS (1590-2), THE MERCAHNT OF VENICE (1596), AS YOU LIKE IT (1599-1600), MEASURE FOR MEASURE (1604-5), THE TEMPEST (1611-12))