

Valencia Fall Invitational 2001—Round 8
Questions by Tommy Minton and Kim Parker

1. Although it was published in 1831, this novel is set in 15th-century Paris. It has been adapted for the big screen four times: first in 1923 with Lon Chaney in the leading role, and most recently in 1996. The novel's central characters include Phoebus, Clopin, and Frollo. FTP name this Victor Hugo novel, the story of a gypsy woman named Esmeralda and a bell-ringer named Quasimodo.

A) *The Hunchback of Notre Dame*

2. He was born April 27, 1822, in Point Pleasant, Ohio. He graduated from West Point in 1843, finishing with a class rank of 21 out of 39. Three years later, he fought in the Mexican War as a Quartermaster. After being appointed Brigadier General, he led his army to victory at Fort Donelson, after which he said "No terms except immediate and unconditional surrender." FTP name this Civil War hero who was elected the 18th President of the United States in 1868.

A) (Ulysses S.) Grant

3. This metal is the seventh most abundant and makes up about 1.5% by weight of the earth's crust. It is an essential constituent for plant growth and is a vital element in the human diet. Though it is never found free in nature, it is one of the most reactive and electropositive of metals. FTP name this second least dense known metal with atomic number 19 and symbol K.

A) Potassium

4. Released in 1975, it is a screen version of a stage musical written by Richard O'Brien. Set on a stormy night in an English castle, an innocent couple is thrown into a convention full of dancing, science, and a delivery boy named Eddie as the main course at dinner. Today, fans gather at midnight showings dressed as their favorite characters Riff Raff, Magenta, and Columbia. FTP name this movie which opens with a pair of singing lips and stars Tim Curry in the leading role as Dr. Frank N Furter.

A) *The Rocky Horror Picture Show* (acc. Rocky Horror)

5. For a quick ten math points, find the limit, as x approaches 2, of the function,

$f(x) = \frac{x^2 - 5x + 6}{x - 2}$. (Read: f of x equals the quantity x squared minus 5 times x plus 6, divided by the quantity x minus 2)

A) -1 (negative one)

6. More an ideology than an established religion, it's beginnings are traced roughly to the 5th century BCE. Temples built for worship are public edifices designed for annual ceremonies. The keynote of its ethics is *ren*, variously translated as "love", "goodness," "humanity," and "human-heartedness." FTP name this ideology, a major social force in China from the 2nd century BCE until the mid-twentieth century, known for its golden rule, "Do not do to others what you do not want done to yourself."

A) Confucianism (do NOT accept Confucius)

7. This Central Asian country is landlocked, but it does contain a portion of the Aral Sea. The country is 88% Muslim, mostly Sunnis, and it enjoys nearly universal literacy. Its government, led by President Islam Karimov, agreed to allow U.S. planes to use its bases while making sorties into Afghanistan. FTP name this former Soviet Republic with capital at Tashkent.

A) Uzbekistan

8. His works include Cathleen Ni Houlihan, a nationalist prose drama with Maud Gonne as the lead, On Baile's Strand, and Purgatory. *A Vision* is an elaborate attempt in prose to explain the mythology, symbolism, and philosophy used in much of his work. With Lady Isabella Augusta Gregory, he helped found what became in 1904 the famous Abbey Theatre. FTP name this Irish author whose widely anthologized poems include "September 1913," "The Wild Swans at Coole," and "Sailing to Byzantium."

A) (William Butler) Yeats

9. This woman spent part of her childhood at the court of the Archduchess Margaret. She became a queen upon her marriage in 1533. You could say she lost her head over her royal spouse – he had her beheaded in 1536, theoretically for committing adultery. Fortunately, she left behind a child who would become one of England's most popular and successful rulers. FTP name this second wife of Henry the VIII and the mother of Elizabeth I.

A) Anne Boleyn

10. Not an organized whole, they represented various groups: the National Mobilization against the War and the Youth International Party to name a couple. Five were tried and found guilty in 1970, though an appeals court overturned the verdicts in the fall of 1972. Rennie Davis, David Dellinger, John Froines, Tom Hayden, Abbie Hoffman, Jerry Rubin, and Lee Weiner were members of, FTP what group that was accused of conspiring to incite the riots that occurred during the 1968 Democratic National Convention?

A) The Chicago 7

11. Launched on March 2, 1972, this spacecraft was the first to encounter Jupiter in December 1973. Its successor was the first to explore Saturn. On June 13, 1983, it became the first artifact to leave the Solar System. By 1997, it was over 6 billion miles from the Sun and searching for the heliopause, the meeting surface of the solar wind and the region where interstellar space begins. FTP name this spacecraft which carries a plaque designed by Dr. Carl Sagan, bearing an illustration of a man and a woman.

A) Pioneer 10 (prompt on Pioneer)

12. He studied painting formally in 1862-63 at the academy of the Swiss painter Charles Gabriel Gleyre in Paris and his early work was influenced by two French artists: Claude Monet in his treatment of light and the romantic painter Eugène Delacroix in his treatment of color. Works by him include *Girl With Watering Can*, *Dancing at Bougival*, *The Bathers*, and *The Umbrellas*. FTP name this French Impressionist painter who also gave us the work entitled *The Luncheon of the Boating Party*.

A) (Pierre Auguste) Renoir

13. A copy of it, engraved on a block of black basalt that is 2.25m in height, was unearthed by a team of French archaeologists at Susa, Iraq, during the winter of 1901 and 1902. It makes no mention of religion but offers protection to all classes of Babylonian society. FTP name this code for which the basis of criminal law is that of equal retaliation, comparable to the Semitic law of "an eye for an eye."

A) The Code of Hammurabi

14. Published in 1952, it highlights the conflicts of two generations of brothers beginning with Adam and Charles. Adam eventually marries Cathy Ames, a prostitute who betrays him with Charles on the very night of their wedding. After giving birth to twin boys, Aron and Caleb, she shoots Adam and leaves him to return to her former profession. This second generation of brothers vies for their father's approval. In bitterness Caleb reveals the truth about their mother to Aron, who then joins the army and is killed in France. FTP name this John Steinbeck novel which became the first movie with James Dean in a starring role.

A) East of Eden

15. It is marked by fracture zones and other discontinuities at spacings of up to hundreds of kilometers, which offset the range from its general north-south course. The largest offsets, such as the east-west Romanche Fracture Zone, are as long as 1,000 km (600 mi) and occur near the equator. Although most of it lies 3,000 to 5,000 m (9,800 to 16,400 ft) below the ocean's surface, it does break the ocean's surface in several places, forming seven islands or groups of islands, including Tristan da Cunha, the Azores, and Iceland. FTP name this submerged volcanic mountain range that runs for 15,000 km (9,300 mi) through the North and South Atlantic Ocean.

A) Mid-Atlantic Ridge

16. Born in 1724, this philosopher strongly opposed the empiricist ideas of Hume. His work fostered the development of German idealism by Fichte, Schelling, and Hegel. Two of his better-known ideas are the concept of *a priori* reasoning and the moral principle of the categorical imperative. FTP name this author of Critique of Pure Reason.

A) (Immanuel) Kant

17. He first came up to the big leagues in 1988 with the Montreal Expos before joining an American League team. He won the American League Cy Young Award in 1995. He was traded mid-season to the Houston Astros in 1998, but left as a free agent the following year. In last weekend's Game 7 of the World Series, he closed for teammate Curt Schilling just a day after winning Game 6. FTP name this hurler known as "The Big Unit."

A) Randy Johnson (prompt on Johnson)

18. Pencils ready...it's math time! FTP convert the base-ten number 47 (read: four, seven) to a base-three number.

A) 1202 (read: one, two, zero, two)

19. In association with German physical chemist Otto Hahn, this scientist helped discover the element protactinium in 1918. Known also for her research on atomic theory and radioactivity, she predicted the existence of chain reaction, which contributed to the development of the atomic bomb. In 1997, it was announced that the element with atomic number 109 would be named in her honor. FTP name this Austrian-Swedish physicist who first identified nuclear fission and has the element with symbol Mt named after her.

A) (Lise) Meitner

20. The Landform Method and the Compass Method are two traditional schools associated with this Chinese philosophy, which advocates environmental design techniques as a way to enhance one's personal "chi", or life force. This study of the relationship between the environment and human life is referred to by two words that translate as "wind" and "water." FTP name this current trend in interior design.

A) Feng shui (pronounced "fung shway" but accept variants)

21. This television series takes place during "the pioneering days of space exploration, when interstellar travel is in its infancy, and a universe — and the unknown — portends both danger and awe. Appropriately, the crew exhibits a sense of wonder as well as a little trepidation about the strange things and beings they will encounter. Being among the first to explore deep space, they will have to prove they are ready for life among the stars." FTP name this science fiction television series, set 100 years from now in the 22nd Century, about a starship led by Captain Jonathan Archer.

A) (*Star Trek*) *Enterprise* (prompt on *Star Trek*)

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1. Identify the literary figure who wrote the following works on a 10-5 basis.

10 pts Poor People (1846)

5 pts The Brothers Karamazov (1879)

A) (Fyodor) Dostoyevsky

10 pts The Hunger Artist (1925)

5 pts The Castle (1926)

A) (Franz) Kafka

10 pts *Roads to Freedom* (1945-51)

5 pts *No Exit* (1946)

A) (Jean-Paul) Sartre

2. Identify the following conic sections from their definitions FTPE.

The collection of all points in the plane that are the same distance from a fixed point as they are from a fixed line.

A) parabola

The collection of all points in the plane the difference of whose distances from two fixed points is a constant.

A) hyperbola

A set of point in the plane that are a fixed distance from a fixed point.

A) circle

3. Identify the war in which the following battle took place FTSNOP.

5 pts Guadalcanal, Midway

A) World War II

10 pts Las Guasimos, Kettle Hill, Manila Bay

A) Spanish-American (War)

15 pts Saxony, Fort Duquesne, Plassey

A) Seven Years' (War)

4. Identify the sport in which the following athletes won MVP or Player of the Year honors in the given year for 5 points each.

Wes Unseld -1969	A) <u>basketball</u> (NBA)
Mark Moseley -1982	A) <u>football</u> (NFL)
Wayne Levi -1990	A) <u>golf</u> (PGA Tour)
Charles White -1979	A) <u>football</u> (college)
Joe Sakic -2001	A) <u>hockey</u> (NHL)
Mark Aguirre -1980	A) <u>basketball</u> (college)

(note to readers: Aguirre, NOT McGwire)

5. Identify the following operas from a list of characters for 10 points. If you need the composer, you will earn 5 points.

10 pts Violetta Valery, Alfredo Germont, Giorgio Germont, Flora Bervoix
5 pts Giuseppe Verdi

A) *La Traviata*

10 pts Il Conte di Almaviva, La Contessa Rosina, Susanna, Cherubino
5 pts Wolfgang Amadeus Mozart

A) *Le Nozze di Figaro*

10 pts Marcello, Schaunard, Musette, Mimi, Rodolfo
5 pts Puccini Giacomo

A) *La boheme*

6. Identify the organ of the human body from its description FTPE.

Part of the digestive system, it is a small, pear-shaped sac with a capacity of around one and one-half fluid ounces, used as an active storage shed, absorbing mineral salts and water from the liver.

A) gallbladder

It is made up of fibrous and elastic tissues and smooth muscle with about twenty rings of cartilage. The lining includes cells that secrete mucus designed to trap tiny particles of debris that is then moved up and out of the respiratory tract.

A) trachea

About one-quarter of blood output from the heart is purified by this organ and circulated throughout the body. It also balances internal fluids, leveling out fluctuations in fluid, salt, and glucose.

A) kidney(s)

7. Identify the country of origin of the following early works of literature FTSNOP.

5 pts *Works and Days, Orestia Trilogy*

A) Greece

10 pts *The Pillow Book, Tale of Genji*

A) Japan

15 pts *The Satire on Trades, The Story of Sinuhe, The Story of King Khufu and the Magicians*

A) Egypt

8. Name the United States Vice-President given the election year for 10 points. If you need the President's name, you will get 5 points.

10 pts 1836

5 pts Martin Van Buren

A) Richard Johnson (prompt on Johnson)

10 pts 1880

5 pts James Garfield

A) (Chester) Arthur

10 pts 1932

5 pts Franklin D. Roosevelt

A) (John) Garner

9. Name these women of the Bible from the descriptions provided FTSNOP.

5 pts The New Testament describes her as Mary's cousin and the mother of John the Baptist.

A) Elizabeth

5 pts This young widow promised her mother-in-law, "Wherever you go, I will also go... Your people shall be my people, your God my God."

A) Ruth

10 pts She was Sarah's servant before she gave birth to Ishmael, her son by Sarah's husband Abraham.

A) Hagar

10 pts This prostitute aided Joshua's spies in the city of Jericho. In return, her life and the lives of her family were spared.

A) Rahab

10. I'll give you the title of a short story – you give me the author for 5 points each, with an additional five points for getting all five correct:

"The Awakening"	A) (Kate) Chopin
"My Mortal Enemy"	A) (Willa) Cather
"The Secret Life of Walter Mitty"	A) (James) Thurber
"The Man That Corrupted Hadleyburg"	A) (Mark) Twain (Samuel Clemens)
"The Outcasts of Poker Flat"	A) (Bret) Harte

11. Name the winner of the following January, 2001 Golden Globe Awards for 5 points each.

Best Picture – Drama	A) <i>Gladiator</i>
Best TV Comedy	A) <i>Sex in the City</i>
Best Supporting Actor	A) (Benicio) Del Toro
Best Director	A) (Ang) Lee
Best Actress – Comedy	A) (Renee) Zellweger
Best TV Motion Picture	A) <i>Dirty Pictures</i>

12. State the scientific law that is expressed as the following FTSNOP.

5 pts The product of the pressure and volume of a gas is a constant for a given temperature and amount.

A) Boyle's (Law)

10 pts Any body completely or partially submerged in a fluid at rest is acted upon by an upward force the magnitude of which is equal to the weight of the fluid displaced by the body.

A) Archimedes' (Principle)

15 pts The electric force between two stationary charges is proportional to the product of the magnitudes of the charges and inversely proportional to the square of the distance between the charges.

A) Coulomb's (Law)

13. "The play's the thing," as our friend Will would say. Given the title of a dramatic work, name its author for the stated number of points.

5 pts The Crucible	A) (Arthur) Miller
5 pts A Streetcar Named Desire	A) (Tennessee) Williams
10 pts True West	A) (Sam) Shepard
10 pts Moon for the Misbegotten	A) (Eugene) O'Neill

14. Name the composer of the following works on a 10-5 basis.

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|--------|------------------------------|---|
| 10 pts | <i>The Magic Flute</i> | |
| 5 pts | <i>Ein Kleine Nachtmusik</i> | A) (Wolfgang Amadeus) Mozart |
| 10 pts | <i>St. Mathew's Passion</i> | |
| 5 pts | <i>Brandenburg Concerto</i> | A) Johann Sebastian Bach
(need first names or initials J.S.) |
| 10 pts | <i>Pathetique</i> | |
| 5 pts | <i>Ode to Joy</i> | A) (Ludwig von) Beethoven |

15. AKA – Also Known As: For this bonus, given a name, definition, or description, provide the more commonly known alternative name or term for five points each. For example, if I said “Norma Jean Baker”, you would reply “Marilyn Monroe.”

- | | |
|---|----------------------------|
| Eric Arthur Blair | A) George Orwell |
| An alloy of copper and tin | A) Bronze |
| The Church of Jesus Christ of Latter Day Saints | A) Mormons |
| Francois Marie Arouet | A) Voltaire |
| The 180 th meridian of longitude | A) International Date Line |
| The number 1 followed by 100 zeroes | A) googol |

16. Name the American historical figure from clues on a 30-20-10 basis.

- | | |
|--------|--|
| 30 pts | He introduced the war report of 1812, and throughout the contest he urged measures to strengthen the armed forces and to finance the war. As Secretary of War under James Monroe, he contributed significantly to the reorganization of the Army and to the extension of the Western frontier. |
| 20 pts | He was the Vice President under both John Quincy Adams and Andrew Jackson. He resigned the vice presidency in 1832 to reenter the Senate and support his state's position regarding the Tariff of 1832. |
| 10 pts | As a senator from South Carolina in 1846, he led the battle against the Wilmot Proviso. His Fort Hill Plantation near Pendleton, South Carolina, is now the site of Clemson University. |
| | A) (John C.) Calhoun |

17. Identify the genetic disorder from a description FTPE.

A neurological disorder manifested particularly by motor and vocal tics and associated with behavioral abnormalities. About three-fourths of patients are male, with onset occurring usually between ages 2 and 14 years. About 10% of patients have a family history of the same condition.

A) Tourette's (syndrome)

A chromosome abnormality in which retardation of normal growth and development is typical and most affected children never reach average adult height. The average mental age achieved is 8 years old. Most cases are caused by an extra chromosome 21.

A) Down's (syndrome)

This disorder is characterized by a pellagra-like light-sensitive rash, cerebellar ataxia, emotional instability, and aminoaciduria. The defect involves the intestinal and renal transport of certain neutral alpha-amino acids.

A) Hartnup's (disorder) (prompt on HND)

18. Identify the following characters from Greek mythology FTSNOP.

10 pts She is the goddess of victory.

A) Nike

5 pts A son of Zeus and a mortal woman, Semele, he is the god of wine and fertility.

A) Dionysus

5 pts He is also a son of Zeus, but the goddess Leto is his mother. He is the god of light, healing, music, and archery.

A) Apollo

10 pts For five points each, name the parents of Zeus.

A) Rhea and Cronus

19. Find the following indefinite integrals for 10 points each.

$$\int \frac{1}{\sqrt{1-x^2}} dx$$

(read: integral of 1 divided by the square root of the quantity 1 minus x squared, dx)

A) $\arcsin(x) + C$ (read: the arc sine of x, plus C)

$$\int \frac{e^x}{1+e^x} dx$$

(read: integral of e to the x power, divided by the quantity 1 plus e to the x power, dx)

A) $\ln(1+e^x) + C$
(read: the natural log of the quantity 1 plus e to the x power, plus C)

$$\int \frac{1}{\sqrt{x^2+1}} dx$$

(read: integral of 1 divided by the square root of the quantity x squared plus 1, dx)

A) $\ln(x + \sqrt{x^2+1}) + C$
(read: the natural log of the quantity x plus the square root of the quantity x squared plus 1, plus C)

20. Name the scientist from a brief description FTPE.

This physicist and government adviser became a professor of physics at the University of California and the California Institute of Technology (1929-1947) and served as director of the atomic bomb project at Los Alamos, New Mexico.

A) (J. Robert) Oppenheimer

This astronomer is best known for the astronomical theory that the sun is at rest near the center of the universe, and that the earth, spinning on its axis once daily, revolves annually around the sun. This is called the heliocentric, or sun-centered, system.

A) (Nicolaus) Copernicus

This physicist worked on radioactivity and on important topics in the structure of crystals and helped discover the piezoelectric effect in crystals—a property of producing electrical voltages when they are compressed.

A) Pierre Curie (prompt on Curie)

21. I'll list several poems – you tell me their American author, for five points each.

“Fog,” “Halsted Street Car”

A) (Carl) Sandburg

“Thirteen Ways of Looking at a Blackbird,” “Sunday Morning,”

A) (Wallace) Stevens

“Recuerdo,” “A Few Figs From Thistles,” “I Think I Should Have Loved You Presently”

A) (Edna St. Vincent) Millay

“Audubon,” “American Portrait: Old Style,” “After the Dinner Party”

A) (Robert Penn) Warren

“A Supermarket in California,” “Ego Confession”

A) (Allan) Ginsberg

“Lobster,” “The Starry Night,” “Sylvia’s Death”

A) (Anne) Sexton

22. Given a Webster’s Dictionary definition, identify which of the 7 deadly sins, according to Roman Catholic doctrine, is being defined for 10 points each.

A painful or resentful awareness of an advantage enjoyed by another joined with a desire to possess the same advantage.

A) envy

A disinclination to actions or labor.

A) sloth

An inordinate desire for wealth or possessions or for another’s possessions.

A) covetousness (accept greed)