## 1998 Penn Bowl 007

Harvard Golden Gun Tossups

## 1. FINE ARTS

Along with Tchaikovsky, this composer introduced the string quartet as a new genre in Russian music. He does not have a large repertoire because, though he began many works, he finished few of them -- perhaps due to his greater commitment to teaching chemistry at University of Moscow. FTP, name this composer, famous for his' opera "Prince Igor."

A: Aleksandr _BORODIN_

## 2. CURRENT EVENTS

Among the campaign finance shenanigans in the news recently has been a fundraiser held by this man and his wife, formerly number two at the FAA, atop a famous landmark. He succeeded Larry Pressler in the House in 1978; eight years later, he moved to the Senate, where he became a protege of George Mitchell. In 1994, he defeated Chris Dodd by one vote to become Senate Democratic Leader. FTP, name him.

A: Thomas A. _DASCHLE_

## 3. LITERATURE

He collaborated with Leonard Bernstein on "Candide" and is well known for his translations of Racine and Moliere. His Collected Poems won him his second Pulitzer in 1989; he won his first in 1957 for the volume that contains perhaps his best-loved poem, "Love Calls Us to the Things of This World." FTPE, who was invested in 1987 as the nations second Poet Laureate?

A: Richard _WILBUR_

## 4. MISCELLANEOUS/GEN

It is the number of nocturnes that Chopin composed, as well as the product of the first two Mersenne primes. It is also the sixth triangular number, therefore it is the total number of dots on a normal die. FTP identify this number.

A: _21_

## 5. POP CULTURE

An episode from this shows 1973 season, "The Balloon People," is still in heavy rotation on the Cartoon Network. Other all-time greats include "Revenge on Gorilla City," "The Island of the Dinosoids," and "Darkseids Golden Trap." Although latecomers Black Vulcan and Apache Chief are patently offensive as token minorities, Aquaman is so cool that even Gleek is tolerable. Identify, for a mistily nostalgic ten points, the folks who inhabit the Hall of Justice.

A: _SUPERFRIENDS_
6. ECON TOSSUP
[Social Science / Economics]
This market model was an important predecessor to game theory. It predicts to a higher price for goods than in a competitive market, but a lower price than for a cartel. It can be viewed as the case of the Stackelberg model in which all of the companies are followers. For ten points, what is this model, most commonly applied in duopolies, which assumes that a firm's decisions do not affect those of any other firm?

A: _COURNOT_ model (or Cournot solution)

## 7. REL/MYTH

The false association of her name with the Latin word for air may be at play in Spensers first verse about her, "Ye gentle spirits breathing from above." Invoked by both Virgil and Apollonius, she lends her name to a major French classical music label. Identify FTP this daughter of Zeus and Mnemosyne, the muse of lyric poetry.

A: _ERATO_

## 8. GEOGRAPHY TOSSUP

It gets its name from a Native American tribe also known as the Conestoga. Its tributaries include the Chemung, the Lackawanna, and the Juniata. It is not the Monongahela, but it does pass an important baseball site: its origin at the southern tip of Lake Otsego is next to Cooperstown. It flows 444 miles south to Havre de (HAVE-er dee) Grace, where it spills into the Chesapeake Bay. FTP, name this river.

A: _SUSQUEHANNA_ River

## 9. HISTORY TOSSUP

Its period of greatest power and cultural creativity coincided roughly with the reign of Charlemagne in the west, though it lasted until 1258 when Baghdad was sacked by the Mongols. FTP, name this Islamic caliphate which patronized scholars such as Avicenna and al-Ghazzali and whose most famous ruler was Harun al-Rashid.
$A=\_A B B A S I D \_s$
10. Science / Physics tossup

Ironically, his greatest discovery is named after the man who ridiculed it, Simeon-Denis Poisson (pwah-SAHN). Poisson showed that this man's theory predicted a bright spot in the center of an opaque object, which Poisson called "ridiculous." Fortunately, his theory of diffraction, a novelty in advancing the wave theory of light was vindicated when the evidence proved him correct. For ten points, who is this French engineer after whom the general case of diffraction is named?

Answer: Augustin _FRESNEL_

## 11. FINE ARTS

Warning: Two answers required. The last names almost the same: One was a co founder of United Artists in 1919, and the other performed for Tolstoy with Rachmaninoff. One was knighted in 1975, and the other became famous for his excellence in the operatic roles of Mephistopheles and Boris Godunov. Identify both the star of "City Lights" and "Modern Times," and Russias best-known bass, the star of Pabsts 1933 film "Don Quixote."

A: Charles _CHAPLIN_ and Fyodor _CHALIAPIN_

## 12. CURRENT EVENTS

In 1997, over 30 Neo-Nazis were arrested in Berlin for publically commemorating the 10th anniversary of his death. In 1941 he parachuted down to the ground in Scotland in an attempt to meet with Winston Churchill who refused to see him. FTP, name this man, Hitler's designated successor who was the last prisoner in Spandau Prison.
A = Rudolph _Hess_

## 13. LIT

We know of nine tragedies by this playwright, politician and philosopher--a tenth, the "Octavia," is now proven clearly not by him. Born in Cordoba around 4 BCE, he came to Rome in his twenties and befriended a few important Stoics. Of his ten Ambrosian dialogues, the "De ira" is the longest and most regarded. Identify FTP the author of "Hercules Furens," a "Medea," and, on a lighter note, the "Apocolocyntosis."

A: Lucius Annaeus _SENECA_

## 14. MISCELLANEOUS/GEN

It is permitted to borrow up to $\$ 30$ billion from the US Treasury, but has never done so since it was organized in 1933. Its income consists of assessments from banks and income from investments. It provides financial and economic information and analyses and monitors fairness in the provision of financial services, but it is best known for its primary role: insuring banks and bank accounts. FTP, name this agency.

A: _F_ederal _D_eposit _I_nsurance _C_orporation

## 15. POP CULTURE

"I never knew how good our songs were," said Ira Gershwin, "until I heard her sing them." She would have been eighty this year, and would have celebrated the fiftieth anniversary of her first big hit,: "A Tisket, A Tasket." Identify FTP this favorite of Louis armstrongs, a champion of the Cole Porter songbook, remembered fondly as "The First Lady of Song."

A: _ELLA FITZGERALD_ (of COURSE accept _ELLA_)
16. ECON TOSSUP /SOC SCI

Daniel Dennett of Tufts University is a proponent of the intentional stance of philosophy of mind, which looks at behavior in terms of the goals and desires of an agent. FTP identify either of the other two opposed stances in Dennetts model.

A: _PHYSICAL_ stance or _DESIGN_ stance.

## 17. REL/MYTH

Its etymological origin is in the Latin and Greek words for a mealy grain used in preparing sacrifices. Related to the Hindu practice of suttee, its most famous mythological victims include Dido and Wagners Brunnhilde. Identify FTP the term for suicide by fire that shares its name with a holocaustic death metal band.

## A: _IMMOLATION_

## 18. GEOGRAPHY TOSSUP

The westernmost and easternmost places under the flag of the United States share this name. One is the easternmost point on St. Croix; the other, the westernmost point on Guam. The one on St. Croix was named for President Kennedy's Secretary of the Interior; the one on Guam was renamed in 1989 to honor his brother, a presidential candidate in 1976 and a longtime congressman from Arizona. FTP, give that shared name.

A: _UDALL_ Point

## 19. HISTORY TOSSUP

He was a noted filibusterer -- so good that someone once tried to shut him up by poisoning his egg nog. He came to the Senate in 1905 after four years championing clean government and progressive taxation as governor. His grandson Doug recently lost a Democratic primary bid to challenge Congressman Mark Neumann; his son and namesake was ousted in a Republican Senate primary by Joe McCarthy. FTP, name this exponent of the "Wisconsin Idea" and 1924
Progressive candidate.

## A: Robert M. _LA FOLLETTE_

20. Science / Physics tossup

It is a form of commensalism, in which a relatively harmless organism mimics the appearance or odour of a more dangerous one, so that predators mistake it for the dangerous type and thus avoid it. FTP, name this type of mimicry.

A: _BATESIAN_ mimicry

## 21. POP CULTURE

"Can I have your watch when you are dead?" "You shot the invisible swordsman!" "What exactly is a plethora?" These are a few of the many jewels of comic writing in the 1986 script that proved to be a vehicle for the virtuosity of some of Saturday Night Lives all-stars. Phil Hartman had
a blink-you-miss-him role as Sam, but as Ned Nederlander, Dusty Bottom and Lucky Day, Martin Short, Chevy Chase, and Steve Martin, were FTP these title characters.

A: The _THREE AMIGOS_

## 22. HIST

The exact location of the battle has never been determined--the German name on modern maps is a false seventeenth-century archaism. Here the army of Varus was destroyed while on march by the Cheruscian prince Arminius. Identify the massacre described by Tacitus that took place, FTP, in 9 BC .

A: _TEUTOBURG FOREST_ or _TEUTOBURGIENSIS SALTUS_

## 23. RELIGION TOSSUP

The Latin Vulgate Bible adds to this Old Testament book three supplements that do not appear in the Hebrew Scriptures: the Prayer of Azariah and the Song of the Three Young Men; Susanna; and Bel and the Dragon. In Bel and the Dragon, the book's title figure, whose name means "God has judged," destroys Bel, slays the dragon, and slaughters the priests, so the Babylonians throw him into the lions' den. FTP, name this book.

A: _DANIEL_

## 24. FINE ARTS

The names the same: The structure on the basal ganglia where loss of Dopamine can lead to Parkinsons disease, Latin name "substantia nigra," and the common subtitle of Scriabins ninth piano sonata in F major. Identify the two-word phrase that also describes FTP an occult, anti-Christian liturgy.

A: _BLACK MASS_ (accept _SUBSTANTIA NIGRA_ on early buzz)

## 25. LIT

In 1712, he mocked the Loyalists' desire to see James, the Old Pretender, succeed Queen Anne in his "Letter from the Pretender to a Whig Lord." With the end of Tory supremacy after Anne's death, he devoted himself to the deanship of Saint Patrick's Cathedral in Dublin. He later returned to producing works on public affairs, such as the "Drapier's Letters" and "A Modest Proposal." FTP, name this Anglo-Irish author.

A: Jonathan _SWIFT_

## 26. HIST

Some scholars claim it begun when Louyang was sacked in 190 AD. Soon after, the warrior Chow Chow raised an army and attempted to reunite China, but was defeated at the battle of Red Cliff in 208, which is the more traditional date for its beginning. FTP, name this period in Chinese history which lasted until 265, which has spawned many legends akin to the

Arthurian legends of England, and which gives its name to a famous Chinese Romance of the early 14th century.

A = _THREE KINGDOMS_
27. SCl

It is the only spin-2 particle in the Standard Model, and, after the discovery of the top quark, this boson remains the only particle in the Standard Model not yet observed. Not surprising, considering that it is the carrier for a force about 40 orders of magnitude weaker than the other three fundamental forces. For ten points, name the particle which carries the gravitational force.

A: _GRAVITON_

## 28. LIT

The first story in this collection tells of a man named Wing Biddlebaum, who experiences tragedy at his own ever-active hands. The novel continues with the tragic tales of more residents of the same town, and ends with central character George Willard leaving the town, eager to escape the provincialism and to start his career in journalism. FTP, name this work by Sherwood Anderson.
a: _WINESBURG, OHIO_

## 29. FINE ARTS

He painted a "Haywain," but hes not Constable. He painted a "Temptation of St. Anthony" but is neither nor Dali. Born around 1450, this artists surreal imaginings led Carl Jung to call him "the master of the monstrous . . . the father of the unconscious." Identify FTP the artist of "Death and the Miser" and "The Ship of Fools."

A: Hieronymus _BOSCH_
30. SCl

Its systematic name is 2-Amino-4-(methylthio)butanoic acid, and with that kind of name, it's easy to miss the sulfur in it. It happens to be an essential amino acid, and is the least common amino acid in many foods. Perhaps this is because it's one of the only two sulfur-containing amino acids, along with cysteine. For ten points, what is this amino acid whose codon is the signal for the beginning of RNA transcription?

A: _METHIONINE_

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## 1. GEOGRAPHY:

Give the common name, 30-20-5:
30: This is Denmark's largest and most populous island, home to the cities of Copenhagen and Roskilde (ROSS-kil-luh).

20: It also names the most western province of the Netherlands, a group of islands and peninsulas which control the approach to Antwerp.

5: The Dutch province lent its name to a nation in the South Pacific, the home of actress Lucy Lawless.

A: _ZEALAND_/_ZEELAND_ (accept _NEW ZEALAND_)

## 2. HISTORY

After hearing the names of two English Monarchs, give the name of the monach who reigned in between the two FTP each. For example, if I said "George I and George III" you would say "George II."
a) Edward IV and Richard III

A: _EDWARD V_
b) Henry I and Henry II

A: _STEPHEN_
c) Ethelred I and Edward the Elder

A: _ALFRED_ the _GREAT_ (accept _ALFRED I_)
3. [Science / Physics]

Answer the following questions about quantum chromodynamics (QCD) for the stated number of points:
a) First, for ten points, what are the three fundamental colors that a quark can have?

A: _RED, GREEN, and BLUE_
b) Only quarks carry color charge, because the strong force only acts on quarks. This means that, for five points, what group of fundamental particles doesn't carry color charge?

## A: _LEPTONS_

c) In quark pairs, there are nine different possible color combinations (three colors for each quark). For fifteen points, gluons, which mediate the color interactions between quarks, thus must come in how many types?

A: _8_
4. FINE ARTS

30-20-10 name the artist from the works:
30: "Buttermere Lake," "The Rise and Decline of the Carthaginian Empire,"
and "The Lorelei Mountain"
20: "The Stormy Sea" and "The Burning of the Houses of Parliament"
10: "The Slave Ship" and "Rain, Steam, and Speed"
A: Joseph Mallord William _TURNER_

## 5. CURRENT EVENTS

This month, Israel's Foreign Minister resigned from the Cabinet and took his small party out of the governing coalition. First, FTPA, name him and his party.

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A: David _LEVY_ (LEVV-ee)
    _GESHER_
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Last year, a Likud Party member resigned as Science Minister to protest the goverment's peace policies. FTP, name this scion of a previous Likud leader.

A: Binyamin (Benny) _BEGIN_ (rhymes with Reagan) .
6. LIT

For 10 points each, 30 total, identify the poems by John Keats that contain the following lines:
a) "Ah, what can ail thee, wretched wight,/ Alone and palely loitering?" A: _LA BELLE DAME SANS MERCI_
b) "A thing of beauty is a joy forever:/ Its loveliness increases; it will never/ Pass into nothingness . . ."
A: _ENDYMION_
c) "O for a beaker full of the warm South,/ Full of the true, the ever blushful Hippocrene,/ With beaded bubbles winking at the brim . . .* A: _ODE TO A NIGHTINGALE_

## 7. General knowledge

Consider the following words (moderator note, please read slowly; pronunciation guides follow words): garrote (guh RAHT), bastinado (bass tuh NAH doe), cockalorum (kahk uh LOH rum), callipygian (kal uh PIJ ee uhn), and strappado (struh PAH doh). Now, for 5 points each and a 10 point bonus for all four, give the word from the list that matches the following definitions:
a) A type of torture where a person has his hands tied behind his back and is lifted and dropped with all the weight on the tied hands.

A: _STRAPPADO_
b) A type of torture where the bare soles of the feet are whacked with a stick.
A: _BASTINADO_
c) An adjective denoting the possession of shapely buttocks.

A: _CALLIPYGIAN_
d) A small man with a big opinion of himself.

A: _COCKALORUM_
(moderator note: "garrote" is a type of torture involving an iron necklace)

## 8. SPORTS/POP

FTPE, name the three sports other than track and field that have been featured in every modern Olympic Games.

A: _FENCING_, _GYMNASTICS_, _SWIMMING_
9. [Social Science / Economics [LAW]]

Name the famous Supreme Court decision that did each of the following. Each half is worth five points (e.g. "Roe" and "Wade" would each be worth 5). What decision:
a) created a "right to privacy" in overturning a ban on contraceptives? A: _GRISWOLD_v._CONNECTICUT_
b) struck down the miscegenation laws that banned mixed marriages?

A: _LOVING_v. _VIRGINIA_
c) stated that laws against sodomy were constitutional?

A: _BOWERS_v. _HARDWICK_

## 10. RELIGION

Arrange the following five books in order of appearance in the Standard English Bible, 5 points for each book in the correct order, and an extra five points for all correct. They are: Jude, Zephaniah, Proverbs, Philippians, and Job.

A: _JOB, PROVERBS, ZEPHANIAH, PHILIPPIANS, JUDE_

## 11. GEOGRAPHY

Identify the following features of South African geography FTSNOP.
10: A province southwest of Johannesburg home to deep gold deposits and one of South Africa's most prestigious universities.
A: the _WITWATERSRAND_

20: The English nickname for the coast of Namibia, a barren stretch of land with few harbors and the site of many shipwrecks.
A: the _SKELETON COAST_

## 12. HISTORY

Answer the following questions about the wars between Russia and Sweden in the early 1700's, FTPE, 30 total:
a) At which battle in 1700 did Charles XII of Sweden, with an army of 8000 men, defeat Peter the Great's 40,000 Russians?
A: Battle of _NARVA_
b) In which 1709 battle did Charles XII invade Russia, but suffer a stunning defeat because of the harsh winter and the westernizing of Peter's military?
A: Battle of _POLTAVA_
c) In which 1721 treaty, ending Swedish imperialism, did Peter the Great secure for Russia a piece of the Baltic shore with its warm-water outlets? A: Treaty of _NYSTADT_
13. [Science / Chemistry]

It's time for some questions about really high-numbered elements, for ten points each.
a) Much controversy has swirled around element 106, since the name originally proposed for it, which rapidly became popular, was initially rejected by IUPAC in 1994. However, in IUPAC's general conference last August, they finally accepted this eponym.

A: _SEABORGIUM_
b) Within 3 years, when was Seaborgium first discovered?

A: _1974_ (accept between 1971 and 1977)
c) What is the current provisional name for element 111, whose abbreviation is Uuu?

A: _UNUNUNIUM_ (whew!)

## 14. FINE ARTS

Identify these composers from works, 5-10-15:
5: The second movement of his fourteenth string quartet, in D minor, includes variations on his own song, "Death and the Maiden."
A: Franz _SCHUBERT_
10: After writing his fourth piano concerto, he dedicated a set of three quartets to Count Rasumovsky, the Russian envoy to Vienna.

## A: Ludwig van _BEETHOVEN_

15: The scoring of his "Quartet for the End of Time" had to do with his experience as a POW in 1941--himself a pianist [although better known as an organist], his fellow prisoners happened to be a cellist, a clarinetist, and a violinist.
A: Olivier _MESSAIEN_

## 15. CURRENT EVENTS BONUS

Here's a bonus about one-party states.
a) Democrats control the governorship, both U.S. Senate seats, and all the U.S. House seats in only one U.S. state. FTP, which state?

A: _HAWAII_
b) The Republicans have such monopolies in five states. Name any two FFPA. A:: _IDAHO_, _KANSAS_, _OKLAHOMA_, _UTAH_, _WYOMING_
c) The 1996 election of Cecil Underwood broke the eight-year Democratic monopoly in, FTP, what state?
A: _WEST VIRGINIA_

## 16. LIT BONUS

Identify the philosopher from his quotes, 30-20-10:
30: "The better the state is established, the fainter is humanity. To make the individual uncomfortable is my task."
20: "To live alone one must be a beast or a god, says Aristotle. Leaving out the third case: one must be both -- a philosopher."
10: "A real man wants two things: danger and play. Therefore he wants woman as the most dangerous plaything. Man should be educated for war, and woman for the warrior's recreation -- all else is folly."

A: Friedrich _NIETZSCHE_

## 17. GEN KNOWLEDGE/MISC

Conjoin the following terms from mythology and elsewhere, FTPE:
a) A Yeats poem about a mythological rape, plus a river of popular song, plus the late actor who played Henry Jones, Jr.
A: _LEDA AND THE SEWANEE RIVER PHOENIX_
b) A character from "Around the World in Eighty Days," plus a D.C. locale, plus a Twain title character, plus the nymph to whom Zeus came as a white bull, plus an Agnieszka Holland Film.

## A: _PHILEAS FOGGY BOTTOM SAWYEROPA EUROPA EUROPA_ (note: accept _PHILEAS FOGGY BOTTOM SAWYEROPA EUROPA_)

c) The first and last names of the composer of Carmina Burana, plus the subject of an opera by Monteverdi, plus a short sharpshooter who hates rabbits.
A: _KARL ORPHE YOSEMITE SAM_
18. POP CULTURE

After hearing lyrics from a pop song recorded in the 1980's, give the name of the song FTP each. If you need the name of the artist you will only get 5 points.

10: "Someday love will find you, / break those chains that bind you, I one night will remind you"
5: The artist is Journey.
A = _Separate Ways_ (Worlds Apart)
10: "I am the son, I am the heir, of a shyness that is criminally vulgar."
5: The artist is The Smiths.
A = _How Soon is Now?
10: "I like the kids, the guys, the girls"
5: The artists are Rob Bass and D.J. EZ Rock
A = _It Takes Two_
19. SOC SCI/ ECON

Let's say that a consumer consumes two goods, Good A and Good B. Suddenly, the price of Good A drops, making the consumer happier and shifting him to a new utility curve. Answer the following questions FTP each:
a) This is the term for the amount of money which would have to be taken away from the consumer to make him as happy as before.

A: _C_ompensating _V_ariation
b) This is the amount of money which would have to be given to the consumer if the price change had not occurred to make him as happy as if it had.

A: _E_quivalent _V_ariation
c) The change in this quantity, which lies between the CV and the EV, represents the change in area under the Marshallian demand curve.

A: _C_onsumer _S_urplus

## 20. RELIGION/MYTHO

Answer the following questions regarding a deity in the Hindu religion, for the stated number of points:

5: What is the name of the son of Shiva who, in a fight with his father, had his head cut off and replaced with an elephant's head?
A: _GANESH(A)_

10: Ganesha was formed from the body rubbings of which other deity?
A: _PARVATI_

15: When the moon laughed at Ganesha's bizarre appearance, what weapon did he hurl at it?
A: his ELEPHANT _TUSK_

## 21. LIT BONUS

Name these characters encountered by Sherlock Holmes FTSNOP.
5: To Sherlock Holmes, she is always "the" woman.
A: Irene _ADLER_ (accept Irene _NORTON_)
10: Professor Moriarty's lieutenant, he shoots Holmes's wax bust with an air-gun.
A: Col. Sebastian _MORAN_

15: Holmes calls this blackmailing master of Appledore Towers "the worst man in London."
A: Charles Augustus _MILVERTON_

## 22. FINE ARTS

Identify the modern sculptural artists from the following descriptions of their works on a 5-10-15 basis.
5: If you were drowning, this artist's inflatable soft sculptures such as "Floor Cake" and "Soft Toilet" might help you to float.
A: Claes _OLDENBURG_

10: He is famous for his large plaster people in natural urban environments. His works include "Tourists" and "The Diner" A: George _SEGAL_

15: This minimalist's sculptures are almost always made entirely of wood and are almost always black. They resemble toolsheds and are usually hung on a wall. Arguably the most talented female sculptor of the 20th century, her masterpiece is usually considered 1958's "Sky Cathedral." A: Louise _NEVELSON_

## 23. SCIENCE BONUS:

I have a transformer (the electrical kind) with 10 turns of wire on the input side, and 50 turns of wire on the output side. Answer the following questions for the stated number of points:

For 5 points: If I put in a voltage of 120 volts, how many volts will be seen on the output side?

Answer: _600_ volts

For 10 points: If I put in a total of 100 watts of power, how many watts
of power will I get on the output side?
Answer: _100_ watts

## 24. POP BONUS

Identify the musicals in which the following songs appear, for the stated number of points.

5: "Wishing You Were Somehow Here Again"; "Past the Point of No Return" A: _PHANTOM_OF THE OPERA

10: "If Ever I Would Leave You"; "Lusty Month of May"
A: _CAMELOT_
15: "Goin' Courtin'," "They Say When You Marry in June" A:_SEVEN BRIDES FOR SEVEN BROTHERS_
25. HIST

The battle of Austerlitz was known as "the battle of the three emperors." Napoleon was, of course, one of the three. For 15 points each, name the other two emperors from Austria and Russia who were also present at Austerlitz.

A: _FRANCIS I_ and _ALEXANDER I_

## 26. MYTHO

Answer the following about mythology according to Ovid FTPE:
a) Book 10 of the Metamorphoses opens with a fast-paced version of the ill-fated marriage of these two lovers--moments after the ceremony, she was bit in the ankle by a serpent hiding in the grass; failing to win her back from the dead, he eventually turns to pederastic love.

A: _ORPHEUS_and_EURYDICE_
b) In the same book, Orpheus tells the tale of the incestuous relationship between Cinyras and this mother of Adonis, transformed into a fragrant tree.

A: _MYRRHA_

## 27. FINE ARTS

Identify any one of the architects of the following famous buildings for ten points each:
a) The Sydney Opera House

A: _JORN_, _UTZON_, _HALL_, _TODD_, or _LITTLETON_
b) The Pompidou Center (in Paris)

A: Renzio _PIANO_ or Richard _ROGERS_
c) The Boston Public Library

A: _Mead_, _McKim_, or _White_
28. LIT

It's been said that two heads are better than one. So, for the stated number of points, give BOTH of the authors of the following works:

5: The collection of poems entitled "Lyrical Ballads"
A: William _WORDSWORTH_ and Samuel Taylor _COLERIDGE_
10: "Is Sex Necessary?"
A: E.B. _WHITE_ and James _THURBER_
15: "The Gilded Age"
A: Mark _TWAIN_ and Charles Dudley _WARNER_ (accept Samuel _CLEMENS_ for Twain)
29. HIST

Identify these ancient military sites from clues for fifteen points apiece:

1. In 217 BC Hannibal ambushed Flaminius at the northern end of this largest lake in Etruria.
A: Lake _TRASIMENE_ or _TRASIMENUS LACUS_
2. 114 years earlier, Alexander looted this residence of the Achaemenid Kings, home to Artaxerxes Hall of a Hundred Pillars.
A: _PERSEPOLIS_
3. SCl

Identify the human hormone from a brief description, 10 points each, 30 points total:
a) Secreted by the pancreas, it is a protein that stimulates breakdown of glycogen and raises blood sugar.

A: _GLUCAGON_
b) Released by the posterior pituitary gland, it is a peptide that induces birth by stimulating labor contractions, and causes milk flow.

A: _OXYTOCIN_
c) Secreted by the ovaries, it is a steroid that targets the uterus to sustain pregnancy, and helps to maintain secondary female sexual characteristics.

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A:_PROGESTERONE_
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