Terrier Tussle 8: February 6, 1999.
Round 2: Questions by Harvard's End and Harvard Stern.
TOSSUPS

1. The new government of this playwright's native country dropped its (*) treason conviction against him last year. A member of the Yoruba people, he wrote such plays as A Dance of the Forests and The Lion and the Jewel. For 10 points-name this Nobel laureate from Nigeria.
answer: Wole Soyinka [WOH-lay shoy-IN-ka]
2. Its followers, who strive to achieve satori, are divided into the Soto, who attempt it through quiet (*) sitting, and the Rinzai, who focus on sudden shocks and meditation on koans, a kind of paradoxical statement. For 10 points-name this branch of Buddhism founded by Dogen Kigen, which recently gained publicity from a book by Robert Pirsig.
answer: Zen Buddhism (prompt on "Buddhism")
3. Recent debate over how this object should be classified centers on its $\left(^{*}\right)$ eccentric orbit. One proposal would classify it as "Trans-Neptunian Object \#1," reflecting its status as an "ice ball outside the orbit of Neptune". Clyde Tombaugh might be turning in his grave over the fate of-for 10 points-what erstwhile planet?
answer: Pluto
4. Ports lying on this approximately 150 -mile-long important shipping lane include Stromsand, Kristiansand, and (*) Oslo. It borders Jutland [YUTEland] on the south and deepens towards its border with Norway on the north. For 10 points-what strait, connecting the western Baltic to the North Sea, may be best known to Diplomacy players?
answer: Skagerrak
5. He was born in London in 1944 as his family fled from the Holocaust. He earned a law degree at Northwestern University and led an effort to lower the voting age to 18. In 1977, he was elected mayor of (*) Cincinnati with the largest plurality in city history. Today, however, he is better known for his "Final Thoughts." For 10 points-name this top-rated talk show host.
6. Gleaned from the refining of zirconium metal, this element takes its name from the Latin word for (*) Copenhagen. Because it absorbs neutrons so well, it is vital to large-scale nuclear reactors. Name-for 10 points-the element that has atomic number 72 and sounds like $50 \%$ of something.
answer: Hafnium
7. He edited America's first literary journal, Port Folio. As a state senator, he drafted Pennsylvania's rejection of parts of the Hartford Convention. His greatest fame came from a role in which he was terminated by President (*) Andrew Jackson in 1836. For 10 points-name the president of the 2nd Bank of the U.S. from 1823 to 1836.
answer: $\quad$ Nicholas Biddle
8. Be glad you didn't find a Necronomicum Ex Mortis in your basement. Cheryl, Shelly, Linda and Scott pay the price for a professor's ability to translate Candarian resurrection literature. Only Ash survives the onslaught of the (*) nasty demons he unwittingly summons from the woods. For 10 points-name this 1983 horror classic budgeted at \$50,000 and newly reissued on video, by the director of _A Simple Plan_, Sam Raimi.
answer: The Evil Dead
9. The libretto for his opera, II Duca d'Alba, found better fame when reworked into Verdi's Sicilian Vespers. His wife died young, leading him to obsess over women who reminded him of her. He wrote at least 65 operas, among the best of which, the love story of (*) Nemorino and Adina, was dashed off in two weeks. For 10 points-identify the great bel canto composer of _The Elixir of Love_ and _Lucia di Lammermoor_.
answer: Gaetano Donizetti
10. Born in New York in 1903, he was sent to live with relatives in Montana at the age of three. He first won a seat in the House of Representatives in 1942. In 1952, he entered the Senate, where he became (*) Majority Whip five years later. For 10 points-name this man who, beginning in 1961, held the
post of Senate Majority Leader for 16 years, longer than anyone in Senate history.

## answer: Mike Mansfield

11. A classic example of this phenomenon is in auto insurance, where the driver's behavior is determined (*) after the contract is signed. Similarly, a hired worker determines her level of productivity after being hired; this results in wage imbalances in the market. For 10 points-what term refers to a situation in a game where an actor can take an unobserved action after an agreement is reached?
answer: moral hazard (do not accept "adverse selection")
[Adverse selection refers to actions taken before the decision is made.]
12. Uncle Aires [pronounced IRISH] puts on a wedding dress on his wedding night and rows off with (*) Henry the Navigator. The dysfunctional family includes an artistic matriarch more gifted than Picasso and a patriarch who smuggles off cocaine as Baby-Softo talcum powder. For 10 points-what fantastical 1995 work by Salman Rushdie takes its title from the name of narrator Moraes Zogoiby [mor-AY-es zo-GOY-bee]?

## answer: The Moor's Last Sigh

13. Born in Pedrena, Spain, he finished second in his first (*) major professional tournament at age 19. He went on to capture three British Open titles and two Masters titles, in addition to his successful captaincy of the European Ryder Cup team in 1997. For 10 points-name this Spanish golfer who will be inducted into the World Golf Hall of Fame in March.
answer: Seve Ballesteros
14. This drink originated at Morrison's Old Corner Drug Store in (*) Waco, Texas in 1885. Conceived by English pharmacist Charles Alderton, who also served as the drug store's soda jerk, it is named after Alderton's first employer. In the 1950s, it officially dropped the period from its name. For 10 points-name the soft drink whose current slogan is "Just what the Doctor ordered."
answer: Dr Pepper
15. A prototype for almost every modern drinking game could be found here: The (*) amystis was a drink you had to chug if you couldn't complete a verse of poetry; the kottabos was all about who could flick his dregs the farthest. It developed a whoe literary genre, including contributions by Epictetus, Xenophon and Lucian. For 10 points-name this often crazy event, from the Greek for "drinking together," elevated to dignity by Plato.
answer: Symposium
16. The Third Theorem deals with quotient rings derived from corresponding ideals, while the First Theorem is used to identify quotient groups by creating a surjective (*) homomorphism. These theorems both are used to show that two groups or rings have the same structure. For 10 points-what is this mathematical term for a mapping used to show that two fields, rings, or groups have the same structure?
answer: isomorphism
17. Although it was announced that their accuracy was $98 \%$, a General Accounting Office report put that number at around $50 \%$. (*) Hughes Electronics didn't respond, but their current maker, Raytheon, cited old figures of $85 \%$. Such improvements as the use of GPS did make these half-million dollar devices more accurate in their use in December 1998. For 10 points-name this "smart missile" recently used on Iraq.
answer: Tomahawk cruise missile
18. He worked in Titian's workshop in Venice at an early age. He also spent time in Rome, where the works of Michelangelo inspired his own (*) Pieta and Purification of the Temple. But it was a meeting there with Spaniards from the church in Toledo which changed his life. For 10 points-name this artist of Baptism of Christ and The Burial of Count Orgaz, who was born Domenikos Theotokopoulos.
```
answer: El Greco
(prompt on "Domenikos Theotokopoulos")
```

19. Divided into four 1,000 -line sections and written in loose rhymed couplets, this poem is the first long work of its poet, who became dissatisfied with it soon after finishing it. The Greek legend on which it is based emphasizes the woman's (*) love for the title character, but the poet
looks instead at the title character's love in his vision of the romantic ideal love. For 10 points-name this 1817 poem by Keats.

## answer: Endymion

20. Although it was discovered before the electron, it was first explained by the Drude theory of free electrons in 1900-except for the fact that the coefficient was sometimes the (*) opposite sign that the Drude theory predicted. This is because in some conductors, the current carriers are positive holes. For 10 points, what effect is this in which charge carriers are deflected by a magnetic field?
answer: Hall effect
21. After successfully predicting a $\mathbf{1 7 8 9}$ solar eclipse, he began publishing an almanac in 1791, in addition to being appointed to survey (*) Washington D.C. in 1790. For 10 points-name this scientist who sent a copy of his first almanac to Thomas Jefferson along with a letter asking him to support better conditions for American blacks.
answer: Benjamin Banneker
22. First Apsyrtus, son of Aeetes [ee-EE-teez]. Then Glauce [GLOW-kee], also called Creusa, the daughter of Creon. Next, Mermerus and Pheres, the perpetrator's own (*) children. Not bad for a serial killer who had to rely on enchantment and trickery before the days of bombs and machine guns. For 10 points, these people are all murder victims of what wife of Jason in Greek mythology?
answer: Medea
23. The Allies broadcast it into Europe in WWII to signal V for victory, because V in Morse code is (*) dot-dot-dot-dash. It showed up in many other works of its creator, such as the Fourth Piano Concerto, but it is most famous in one of his symphonies. For 10 points-identify this motive that Anton Schindler said represented "fate knocking at the door" in his biography of Beethoven.
answer: opening motive of Beethoven's Fifth Symphony (accept fate motive or equivalent before "fate" is mentioned)
24. Despite its name, units from the U.S. 2nd and 7th Infantry Divisions were engaged here in the late 1960 s , although only 18 miles of it were actually the responsibility of the U.S. Army. It actually runs slightly southwest-northeast, so it doesn't lie strictly on the (*) 38th parallel. For 10 points-name this place, arguably the most heavily fortified border in the world.
answer: Korean Demilitarized Zone or DMZ
25. In this play, the main character, a former Pullman porter, is forced to (*) flee when the natives of an island in the West Indies begin to revolt. As he rushes through the jungle, he retrogresses on the evolutionary ladder, becoming a participant in a slave auction. In the end, he is killed by the natives, who use silver bullets to finish him off. For 10 points-name this Eugene O'Neill play.
answer: The Emperor Jones
26. When the Muslims expanded into North Africa, this city was the last holdout, falling in 705. The Gracchi and Julius (*) Caesar failed, but Augustus succeeded in rebuilding it about 110 years after all habitation there was outlawed following its destruction. For 10 points-name this city, now a suburb of Tunis, that was founded by the Phoenicians or by Dido.
answer: Carthage
27. The name's the same. One is found in the book of Revelations in the Bible, where it is described as a great star that "fell from (*) heaven, blazing like a torch, and it fell on a third of the rivers...and many died from the water, because it was made bitter." The other is the name of the "junior tempter" who receives advice from his uncle in The Screwtape Letters by C.S. Lewis. For 10 points-give the common name.

## answer: Wormwood

28. In 1989 it was nominated for the Nobel Peace Prize. Conceived in November 1985 by San Francisco (*) gay rights activist Cleve Jones, this memorial covered more than the area of a football field and contained 1,920 panels when it first appeared on the Washington Mall on October 11, 1987. For 10 points-name this memorial, whose expansion to 42,000 current panels prevents it from being shown again in its entirety.
answer: The AIDS Memorial Quilt

## Terrier Tussle 8: February 6, 1999.

Round 2: Questions by Harvard's End and Harvard Stern.

## BONUSES

1. Your computer can display millions of colors, but only a few colors are actually "browser-safe"; that is, sure to display the same on every platform. For 10 points each-
A. How many browser-safe colors are there?
answer: $\underline{\underline{216}}$ or $\underline{6}^{3}$ [six cubed]
B. Browser-safe color values are multiples of what hex value?
answer: 33 ["three-three"] (accept "thirty-three")
C. What term describes the process by which a browser will reduce a color not in the standard palette to one of these 216 colors?
answer: dithering
2. Danielle Steele had nothing on the Russians. Name these romance novels for 10 points each:
A. The title character of this Pushkin work first rejects Tatyana, then falls in love with her after she is married, at which point she rejects him right back.

## answer: Eugene Onegin [o-NAY-gin] (or Yevgeny Onegin)

B. A major subplot in this Turgenev work is the love of Evgeny Bazarov for the cold Anna Odintsova.

## answer: $\quad$ Fathers and Sons (or Ottsey I Deti)

C. In this Tolstoy work, Prince Nekhlyudov [neck-LYOO-dov] seduces Katya Maslova and leaves her. She becomes a prostitute and is convicted of poisoning a lover. He repents and follows her to Siberia.
answer: Resurrection (or Voskreseniye)
3. King Hussein of Jordan recently cleaned house. For 10 points per answer:
A. Name his brother, who was ousted as heir after occupying that position for 34 years.
answer: Crown Prince Hassan (listen carefully)
B. Hussein's 37 -year-old eldest son, currently a major general in the army, was chosen as the new heir. His chief competitor was the 18-year-old eldest son of Queen Noor, Hussein's current wife. For 10 points each-name them both.
answer: Prince Abdullah and Prince Hamzeh
4. "Paris is well worth a Mass." For 10 points each--
A. Who spoke these words in 1598 ?
answer: King Henri IV ["the Fourth"] or Henri of Navarre
B. The quote is a reference to what act, which Henri issued in that year?

## answer: Edict of Nantes

C. Within 10 years, when did Louis XIV ["the Fourteenth"] revoke the Edict of Nantes, stripping French Protestants of what limited social freedoms they had?
answer: 1685 (accept 1675-1695)
5. Identify the following questions about Maslow's hierarchy of needs:
A. For 5 points-what need is at the peak of the hierarchy?
answer: self-actualization
B. For 5 points each-name, in any order, the three categories of needs below self-actualization.
answer: safety needs, belonging needs, esteem needs (accept clear-knowledge equivalents)
C. For 10 points-this two-word phrase describes moments of profound change which self-actualized people undergo.
answer: peak experiences
6. Name these Super Bowl MVPs, none of whom are John Elway:
A. For 5 points-in Super Bowl XXIII (23), he set a Super Bowl record with 11 catches for 215 yards, though John Taylor made the game-winning catch.
answer: Jerry Rice
B. For 10 points-in Super Bowl XXV (25), this running back helped the Giants control the ball for over 40 minutes.
answer: Ottis Anderson
C. For 15 points-in Super Bowl VII (7), this Dolphin safety intercepted Billy Kilmer twice.
answer: Jake Scott
7. Given the symphony orchestra, name its current music director for 10 points each:
A. San Francisco Symphony.
answer: $\quad$ Michael Tilson Thomas (or MTT)
B. Boston Symphony.
answer: Seiji Ozawa
C. Los Angeles Philharmonic.
answer: Esa-Pekka Salonen
8. Name these female scientists for 10 points each:
A. This colleague of Hahn and Straussman coined the term "fission." Element number 109 is named in her honor.

## answer: Lise Meitner

B. This German-American mathematician formalized the study of certain classes of rings, but is most famous for her theorem connecting physical symmetries with certain integrals of motion.

## answer: Emmy Noether

C. This Cambridge grad student co-discovered pulsars, but the Nobel committee overlooked her and awarded only her advisor Anthony Hewitt in 1974.
answer: Jocelyn Bell-Burnett
9. Given the name of an object in Norse mythology, name both its owner and what kind of object it is for 5 points per answer. For example, if I said "Gungnir," you would say "Odin" for 5 points and "spear" for 5 more.
A. Mjolnir [mee-OHL-neer].
answer: Thor's hammer
B. Draupnir.
answer: Odin's ring
C. Skidbladnir
answer: Freyr; collapsible boat or ship (accept equivalents)
10. First, for 10 points each—name these poems from their final lines:
A. Thanks to the human heart by which we live,

Thanks to its tenderness, its joys, and fears,
To me the meanest flower that blows can give
Thoughts that do often lie too deep for tears.
answer: Ode: Intimations of Immortality from Recollections of Early
Childhood
B. With Blue-uncertain stumbling Buzz-

Between the light and me-
And then the Windows failed-and then
I could not see to see.

## answer: I Heard a Fly-Buzz When I Died

C. Now for 5 points each—name the poets who wrote "Intimations of Immortality" and "I Heard a Fly-Buzz When I Died."
11. For 10 points each-given a chemical law and some quantities in it, name the remaining quantity which you could solve for if you knew the others. For example, if I said, "Ideal gas law, given pressure, temperature, and number of molecules," you would say "volume".
A. First law of thermodynamics, given heat added and change in internal energy.
answer: work done on the system
B. Boyle's law, given initial conditions and final volume
answer: final pressure of the gas
C. Arrhenius equation, given reaction rate and temperature
answer: activation energy of the reaction
12. Given the lyrics, name these related songs for 10 points each:
A. I can't believe the news today.

I can't close my eyes and make it go away.
answer: Sunday, Bloody Sunday (by U2)
B. It's such a gorgeous sight

To see you eat in the middle of the night.
answer: Friday I'm in Love (by the Cure)
C. Six o'clock already I was just in the middle of a dream I was kissin' Valentino by a crystal blue Italian stream.
answer: Manic Monday (by the Bangles)
13. Identify the following about the winner of the 1927 Nobel Prize in Literature for 10 points each:
A. First, name this Frenchman, a philosopher whose works explore the notion of time, free will, change and literary style.

## answer: Henri(-Louis) Bergson

B. This novelist was profoundly influenced by Bergson's theory of time; Bergson also married his cousin, Louise Neuburger.

## answer: Marcel Proust

C. Name either Bergson's term for his philosophy, which rejected static values in favor of motion and change; or the 1907 work in which he expounded upon it.
answer: process philosophy; or Creative Evolution (L'_Evolution Creatrice)
14. Jesse Jackson has embarked on a drive to register 2 million new voters in the South. For 10 points each-identify:
A. The site where Jackson began his campaign, also where Martin Luther King, Jr., was assassinated.
answer: The Lorraine Motel (prompt on "Memphis" or "Tennessee")
B. The date has Jackson set as his target for the completion of the registration campaign.
answer: April 4, 1999
(prompt on "the anniversary of MLK's assassination")
C. The Republican politician whom Jackson singled out in his Lorraine Motel speech as a person who needed to be replaced.
answer: Trent Lott
15. For 10 points each-conjoin these pairs of literary works to create new, longer titles:
A. E.M. Forster's 1908 novel about Lucy Honeychurch's tour of Italy and an Arthur Miller play about a longshoreman named Eddie.

## answer: A Room With A View From The Bridge

B. Ian Fleming's children's book subtitled "The Magical Car" and Mark

Harris's book about New York Mammoths pitcher Henry Wiggen and Bruce Pearson, a catcher with Hodgkin's disease.

## answer: Chitty Chitty Bang Bang The Drum Slowly

C. The Thomas Hardy novel featuring Eustacia Vye and the Richard Wright novel featuring Bigger Thomas.
answer: The Return Of The Native Son
16. Given the unorthodox way in which it was discovered, give the archeological find for the stated number of points.
A. For 5 points-these cave paintings were originally discovered by four French schoolboys investigating an uprooted tree.
answer: Lascaux cave paintings
B. For 10 points-the first cache containing these was originally discovered by a Bedouin looking for a stray animal in 1947.

## answer: Dead Sea scrolls

C. For 15 , the original Greek settlement of this city was discovered during rebuilding of damage done in World War II.
answer: Marseilles [mar-SAY] (accept also Massalia)
17. For 10 points each-given the two U.S. cities, name the interstate highway connecting them.
A. Chicago and St. Louis.
answer: l-55
B. Jacksonville and New Orleans.
answer: l-10
C. Denver and Santa Fe.
answer: $\quad$ - $-\underline{25}$
18. Identify the following about works of the recently knighted Sir Thomas Stoppard for 10 points each:
A. You know Rosencrantz and Guildenstern are Dead; but where do they die in that play's final scene?
answer: on a boat bound for England (accept clear-knowledge equivalents)
B. An even quirkier exploration of the play-within-a-play, this work features the two critics Moon and Birdboot drawn into the action at a new murder mystery play.

## answer: The Real Inspector Hound

C. Stoppard won his seventh Best Play award from the London Evening Standard in November 1997 for this work, about the poet A.E. Housman.
answer: The Invention of Love
19. For the stated number of points-identify the following about the genetic code:
A. For 10 points-give either of the two amino acids that have only a single codon.
answer: Methionine or Tryptophan
B. For 5 points each-5 more for all correct-provide the sequence (using RNA bases) of the three stop codons that can terminate peptide synthesis.
answer: Uracil-Adenine-Adenine (UAA)
Uracil-Guanine-Adenine (UGA)
Uracil-Adenine-Guanine (UAG)
20. Name these Islamic shrines for 15 points each:
A. Built by the seventh caliph and founder of the Umayyad dynasty, its crown jewel was supposedly used by Abraham in the sacrifice of Isaac.
answer: Dome of the Rock or Aqsa Mosque or Haram Ash-Sharif or Noble Sanctuary
B. Called the ancestor of all western mosques, this Tunisian mosque built in 724 was the first to model the structure of its minarets on Roman lighthouses.
answer: The Great Mosque at Kairouan [KYE-roon or kye-roo-AHN]
21. For 10 points each-given the year and biographical facts, name the recipient of the Spingarn Medal.
A. 1945; resigning as a lawyer when a white secretary refused to take dictation from him, he went on to star in such Eugene O'Neill plays as All God's Chillun Got Wings and The Emperor Jones.
answer: Paul Robeson
B. 1962; adviser on black affairs for FDR from 1933-1937, he won the medal four years before he became the first black American to head a federal department.
answer: Robert Weaver
C. 1983; discovered by an MGM talent scout in the early 1940s, she apeared in Cabin in the Sky, Broadway Rhythm, Swing Fever and Ziegfeld Follies.
answer: Lena Horne
22. Identify the following about the book Godel, Escher, Bach:
A. First-for 10 points-who wrote it?.
answer: Douglas Hofstadter
B. For 5 points each-name the two characters who have a conversation in which they say the same lines, but in the opposite order.
answer: Achilles and the tortoise
C. For a final 10 -what is the name of this peculiar conversation?
answer: Crab Canon
23. Name these pieces of lab equipment for 10 points each:
A. This item is named for its ability to measure voltage, current or resistance; but don't hook it up as an ammeter in paralle!!

## answer: Multimeter

B. This item converts very small flashes of light to electrical signals, utilizing the photoelectric effect to produce electrons which are then accelerated by an applied voltage into a cascade.

## answer: PMT or photomultiplier tube

C. This type of amplifier compares the received signal with a reference signal at the same frequency and uses the reference signal to eliminate background noise at other frequencies.
answer: lock-in amplifier
24. Answer the following questions about the Russo-Japanese War for 10 points apiece:
A. The war broke out with a surprise Japanese attack on the Russian naval forces based here.
answer: Port Arthur (also accept "Liaotung peninsula") (prompt on general answers within reason; do not prompt on "earth")
B. This decisive Japanese naval victory forced Russia into negotiations for peace.

## answer: Battle of Tsushima

C. Theodore Roosevelt brokered this treaty, which gave Japan control of Port Arthur, the Liaotung peninsula and half of Sakhalin Island.
answer: Treaty of Portsmouth
25. England's 20th poet laureate died in October 1998.
A. For 10 points-name him.
answer: Ted Hughes
B. For 5 points—name his wife, who committed suicide in 1963.

## answer: Sylvia Plath

C. For 15 points-name the Ted Hughes work, published in 1998, that reveals details of his life with Sylvia Plath.
answer: Birthday Letters

