Juan Carlos Viscerra IV - Feb. 1998
THOMAS JEFFERSON HIGH SCHOOL (VA) GEORGE WASHINGTON UNIVERSITY TOURNAMENT TEAM PACKET

Tossups =======

1. This fictional character is an extremely dreamy fellow. He knows of a better time, and wishes he could've lived then -- unfortunately, "then" is 700 years previous. Identify this man created by E.A. Robinson who has become the perfect example of a man born too late.

Answer: Miniver _CHEEVY_

2. For a quick ten points, name the German mathematician who proposed a series of problems to mathematicians at the turn of the century which he set out as the greatest challenges to mathematicians in the twentieth century.

Answer: David _HILBERT_

3. Could his music have been considered music? His pieces include one where the pianist throws his sheet music into the air, collects it at random, and plays it as it appears. Another features 100 metronomes that are started at different speeds and allowed to wind down. Identify this "composer" whose most famous work is entitled "4:33".

Answer: John _CAGE_

4. She started her career at age 12, but as an actress, appearing on the Nickelodeon show "You Can't Do That on Television." Ironic-ally, she is no longer in TV, unless you count VH1, but has a mildly successful music career. For a quick ten points, name this singer whose latest single will knock you head over feet.

Answer: Alanis _MORRISETTE_

5. He was a wealthy man, an oriental chieftain and a pious and upright man. Was. His children then died, his property burned, his health failed, and his wife ditched him. Even so, he didn't complain to God about his sor- rows. Blamed him, but didn't complain. Name this man whose story has made him the personification of patience.

Answer: _JOB_

6. This mathematician lends his name to a system of coupled first-order equations equivalent to Newton's laws. He also worked as a physicist and is famous for the discovery of quaternions. Name this Irishman.

Answer: William Rowan _HAMILTON_

7. Not since Ken Patera had any Olympian done what he did. This man had a disappointing showing in Atlanta, but became so popular that he signed a ten- year deal with the World Wrestling Federation to participate as an athlete. For ten points, name this former U.S. weightlifter.

Answer: Mark _HENRY_

8. He is famous for his reconciliation of the various versions of quantum electrodynamics. He also originated the idea that an advanced civilization could build a spherical shell completely around a star, capturing all the star's energy. Name this English pyhsicist, who name has been given to this spherical shell.

Answer: Freeman _DYSON_

9. He was the most famous of the Sophists and is much remembered for teaching law to his pupils with his fee being their winnings from the first case. When one student refused to practice law, he took this student to court. Either way, the money woud then be collected: by contract if the student won, by ver- dict if he lost. For ten points, name this teacher who has lent his name to the hero of a story.

Answer: _PROTAGORAS_

10. Though better known as a physician, he was also a poet. Born in Boston in 1809, he was a member of a literary group known as the Boston Brahmins along with Longfellow and Lowell. His son would later become a Justice of the Supreme Court. Name this poet, author of "Old Ironsides" and "The Chambered Nautilus".

Answer: Oliver Wendell _HOLMES, SR._

11. "I have just one question. Why do you hate the South?" This line comes from the last page of a novel set in a fictional county in the South. It tells the story of three characters in a tangled web of incest, miscegenation, and dynasty. Identify this novel based on the Biblical tale of one of King David's sons, starring Charles Bon and Thomas and Henry Sutpen.

Answer: _Absalom, Absalom!_

12. The first three, Kalita, Krasnyi, and the Great, were all grand princes of Moscow, the last ruling for 43 years. The fifth was co-tsar with Peter I, but numbers 4 and 6 were tsars by themselves. Identify this Russian ruling name, whose most famous member was Russia's first tsar.

Answer: _IVAN_

13. Born in 1681 and dying in 1767, he was a contemporary of J.S. Bach whose work is often mistaken for Bach's. He is most renown for purportedly being the most prolific of classical music composers. FTP, who was this Baroque composer whose name suggests a corruption to the joke "What are the three fastest means of communication?", those being: telephone, telegraph, and tell a woman?

Answer: Georg Philipp _TELEMANN_ (Tell a man)

14. An ice skater spins on the ice with his arms extended. As the skater pulls his arms into his body, the angular velocity will increase (i.e., he will spin faster) because THIS physical quantity decreases. Identify the decreasing physical quantity.

Answer: _MOMENT OF INERTIA_

15. The existence of the Comedics, a lost work of Aristotle, is supposed in this author's book, _The Name of the Rose_. He is also the author of _Foucault's Pendulum_, a novel set largely in the author's country. FTP, name this Italian author.

Answer: Umberto _ECO_

16. In the sequel to this author's most famous book, the title character manages to capture Saddam Hussein, but is forced to release him by General Schwarzkopf. This isn't surprising, considering all of the amazing accom- plishments that the same man had in the author's first and most famous book. The book didn't sell very well, but the motion picture adaptation won Best Picture. Name this author of _Forrest Gump_.

Answer: Winston _GROOM_

17. He was the first playwright ever to win back-to-back Tony Awards for Best Play. The plays which won it for him were both halves of a story and were individually titled "Millennium Approaches" and "Perestroika". For ten points, name the playwright who won in 1993 and 1994 for "Angels in America".

Answer: Tony _KUSHNER_

18. In one scene, the main character teaches his roommate how to write his name, then tells him to unlearn it. The entire play takes place in one scene, with all other scenes, such as a schoolhouse or a field, being presented in flashback form. Other characters include the main character's brother, John, his roommate, Bailey, and the "overseer", Sam Staples. Identify this play by Jerome Lawrence and Robert E. Lee which takes a unique look at transcend- entalism.

Answer: "The Night Thoreau Spent in Jail"

19. A poker game can have any number of them, but usually has two. The Nat- ional Football League has six, but only the 1980 Oakland Raiders are remem- bered. Identify this two-word phrase which refers to anyone or anything predictably unpredictable.

Answer: _WILD CARD_

20. A 570-foot limestone tower with a 220-foot star marks the site of this battle. By its standards, it was extremely short, lasting only eighteen minutes. James Michener writes about the opposing generals in his book _The Eagle and the Raven_. FTP, name the battle which won Texas its indepen- dence.

Answer: _SAN JACINTO_

21. The official title of the post is Ambassador Extraordinary and Plenipo- tentiary. The duty is extremely busy, as one deals with international prob- lems and various crises as a member of an elite 15-nation committee. Name this post, which has in the past been held by President George Bush, Senator Daniel Patrick Moynihan, and Mr. Henry Cabot Lodge.

Answer: _US AMBASSADOR TO THE UN_ (accept equivalents)

22. Upon Queen Elizabeth's death, she will be succeeded by Charles III, unless he dies or abdicates, in which case the monarch will be William V, his son. Either way, the new monarch will become the first from what royal house?

Answer: House of _MOUNTBATTEN_

23. _Why I am Not a Christian_ is a philosophical work by this 20th century Englishman. He is better known, however, for a math book with a Latin title. Name this author who placed mathematics on a different plane using symbolic logic.

Answer: Bertrand _RUSSELL_

24. He was born in Romania, but later gained fame in Paris. His style was extremely disruptive, more so than the Existentialists. His works include "Exit the King" and "The New Tenant". FTP, name this absurd figure better known for "The Chairs" and "The Lesson".

Answer: Eugene _IONESCO_

25. This artist's last name was DiMucci, but he went by one name during his days with the Belmonts. His most famous title characters include a woman who intentionally refuses to settle down and a man who simply cannot because he is a world traveler. For ten points, name this Rock and Roll Hall of Famer and singer about "The Wanderer" and "Runaround Sue".

Answer: _DION_

26. According to some accounts, in the early 1920s a journalist told this man that there were only three people in the world who understood general rela- tivity. This man thought for a moment, then said, "I am trying to think who the third person is." Name this somewhat arrogant scientist, who studied at Cambridge and was mentor of Subrahmanyan Chandrasekhar.

Answer: Sir Arthur _EDDINGTON_

27. Consider the class of all classes which do not contain themselves as members. Is this class a member of itself? One can reason both that it is and isn't and therefore conclude that classes of classes are not the same as classes. Show your class by naming this paradox which played a pivotal role in the development of mathematical logic and motivated G^Ôdel in the develop- ment of his seminal theorem of completeness and consistency.

Answer: _RUSSEL'S PARADOX_

28. Pencil and paper may be required. If a chicken and a half lays an egg and a half in a day and a half, how long does it take 5 chickens to lay 100 eggs?

Answer: _30 DAYS_

29. This novel takes place in the years immediately after World War II. It is set mainly in the U.S., although the scene shifts to Mexico at one point. Name this story whose main characters are Sal Paradise, Carlo Marx, and Dean Moriarty.

Answer: _On the Road_ 30. Silver Blaze, the Cardboard Box, the Yellow Face, the Stockbroker's Clerk, the "Gloria Scott", the Musgrave Ritual, the Reigate Squires, the Crooked Man, the Resident Patient, the Greek Interpreter, and the Naval Treaty are all adventures listed in the memoirs of what man, who also was in the Adventures of the Second Stain, the Golden Pince-Nez, and the Final Problem?

Answer: Sherlock _HOLMES_

Juan Carlos Viscerra IV - Feb. 1998
Thomas Jefferson High School

TEAM BONI

1. Five points each person, tell us who shot the following. Gerald Ford (2) ANSWERS: Lynette _FROMME_ and Sara _MOORE_ Harry Truman (2) ANSWERS: Guillermo _TORRESOLA_ and Oscar _COLLAZO_ John Lennon

Answer: Mark _CHAPMAN_ Montgomery Burns

Answer: _MAGGIE_ Simpson

2. Identify the playwrightss from their works on a 10-5 basis. 10) Saturday's Children; 05) What Price Glory

Answer: Maxwell _ANDERSON_ 10) Orpheus Descending; 05) Camino Real

Answer: Tennessee _WILLIAMS_ 10) Tiger at the Gates; 05) Mad Woman of Chaillot

Answer: Jean _GIRARDOUX_

3. Identify the folllowing concerning the history of espionage, five points each. Benedict Arnold's British contact.

Answer: John _ANDRE'_ Seventeen-year-old girl who became the Confederacy's most famous spy.

Answer: Belle _BOYD_ Her birth name was Margaretha Zelle.

Answer: _MATA HARI_ World War I spy who worked in Northern Africa and Asia.

Answer: Thomas Edward _LAWRENCE_ of Arabia British spy operation involving the fictitious Major William Martin.

Answer: Operation _MINCEMEAT_ Russian colonel exchanged for Francis Gary Powers in April 1960.

Answer: Rudolf _ABEL_

4. 30-20-10, name the movie. 30: The movie stars Glenne Headly, Jay Thomas, Olympia Dukakis, and Richard Dreyfuss. 20: The title comes from a work subtitled "An American Symphony". 10: It concerns a teacher at John F. Kennedy High School who is band direct- or for 30 years.

Answer: "Mr. Holland's Opus"

5. Answer these questions about some logical people for five points each. Bertrand Russel's partner in the development of _Principia Mathematica_.

Answer: Alfred North _WHITEHEAD_ He developed a set of axioms which first put arithmetic on a logical footing.

Answer: _PEANO_ He took the work of Peano and extended it in his work _Foundations of Arith- metic_ and in such defined the concept of numbers by means of purely mathe- matical concepts.

Answer: George _FIEGE_ He first demonstrated that there were different orders of infinity and is considered the father of set theory.

Answer: Gregor _CANTOR_ He invented the hybrid of deduction and induction called abduction and is commonly viewed as the founder of pragmatism.

Answer: C.S. _PIERCE_ Building on Aristotle's notion of syllogism, he developed a graphical argument known as the Celarent, which is now better known as the Venn diagram.

Answer: Leonhard _EULER_

6. 30-20-10, name the author. 30: The main character of his most famous story is Peyton Farquhar. 20: This man disappeared while reporting on the Mexican Civil War. 10: He wrote cynical definitions for the Devil's Dictionary.

Answer: Ambrose _BIERCE_

7. For ten points, name the first person to win the Newbery Award twice.

Answer: Katharine _PATTERSON_ For ten each, what were the two books which won Katharine Patterson her New- bery Awards? ANSWERS: _Bridge to Terabithia_ and _Jacob Have I Loved_

8. Answer these questions about the dialectic. For ten points, name the philosopher who first originated the concept of the dialectic.

Answer: Georg Wilhelm Friedrich _HEGEL_ For an additional ten points each, name the two philosophers who co-authored several revolutionary books using the dialectic in an economic and historical context.

Answer: Karl _MARX_ and Friedrich _ENGELS_

9. Answer these questions concerning a certain constellation for the stated number of points. 10) This winter constellation has two stars of first magnitude, the only such constellation in the Northern Hemisphere.

Answer: _ORION_ 5,5) Name the two first magnitude stars.

Answer: _BETELGUESE_, _RIGEL_ 10) Zodiacal constellation which represents the object used to kill Orion, according to the myth.

Answer: _SCORPIO_

10. Answer these questions about the Lincoln-Douglas debates for the stated number of points. 5) What were Lincoln and Douglas running for?

Answer: _U.S. SENATE FROM ILLINOIS_ 10) How many debates were there?

Answer: _7_ 15) Where was the most famous debate, famous because it discusses a Doctrine involving slavery named after the town?

Answer: _FREEPORT_

11. Name each band, past or present, from their song titles, ten points each. Random, Jack o'Lantern's Weather, Don't Start Home, All Mixed Up, Down

Answer: _311_ Garden Grove, The Wrong Way, Smoke Two Joints, Date Rape, What I Got

Answer: _SUBLIME_ Silhouettes on the Shade, I Am Henry VIII, You've Got a Lovely Daughter

Answer: _HERMAN'S HERMITS_

12. 30-20-10, name the song. 30) Jose Feliciano won a Grammy Award for it in 1968. 20) The Doors later recorded the more famous version of the song, and it became their biggest hit. 10) The song begins, "You know that it would be untrue, / You know that I would be a liar..."

Answer: "Light My Fire"

13. Identify these people who died in 1987 for ten points each. Pianist and showman who passed away from AIDS

Answer: _LIBERACE_ Actor in "The Court Jester" and "White Christmas"

Answer: Danny _KAYE_ Artist who was famous for more than fifteen minutes

Answer: Andy _WARHOL_

14. Given the Biblical character name his parent, five points each. If both parents are known, name either one. Henoch

Answer: _CAIN_ Japheth

Answer: _NOAH_ Ishmael

Answer: _ABRAHAM_ or _HAGGAR_ Nadab

Answer: _AARON_ Obed

Answer: _BOAZ_ or _RUTH_ Rehoboam

Answer: _SOLOMON_

15. Identify the people behind each of these ideas for five points each and a five point bonus for all five correct. The precision with which the position and the velocity of an object can be measured has a lower bound greater than zero for the product of the errors.

Answer: Werner _HEISENBERG_ The principle of displacement used to determine the density of objects.

Answer: _ARISTOTLE_ Equal times sweep equal areas of an orbit.

Answer: Johannes _KEPLER_ First proposed that light behaves as though it were waves.

Answer: Christian _HUYGENS_ Refined Clausius' statement of the Second Law of Thermodynamics in his form- ula S = K log W.

Answer: Ludwig _BOLTZMANN_

16. Given the year, name the man who won the Pulitzer Prize for Editorial Cartooning, ten pointss apiece. 1975

Answer: Garry _TRUDEAU_ 1979

Answer: _HERBLOCK_ 1985

Answer: Jeff _MacNELLY_

17. For 5 points each, plus 5 more if all are correct, identify these Greeks from facts about them. Zeno's mentor and founder of the Eleatic school.

Answer: _PARMENIDES_ Believed that fire was the basis for all matter.

Answer: _HERACLITUS_ First to claim that earth, wind, water, and fire were the four basic elements.

Answer: _EMPEDOCLES_ (Make them do push-ups if they respond with Cpt. Planet) Famous for his paradox on infinite divisibility involving a footrace in which one competitor gets an "insurmountable" head start.

Answer: _ZENO OF ELEA_ Developed the idea that we can distinguish between the way things are and the way they appear to be. Founder of the atom theory.

Answer: _DEMOCRITUS_

18. 30-20-10, name the city from its landmarks. 30: Mary Baldwin College 20: Museum of American Frontier Culture 10: Woodrow Wilson Birthplace

Answer: _STAUNTON, VIRGINIA_

19. For five points each, name the six countries which border Iraq. ANSWERS: _TURKEY_, _IRAN_, _SAUDI ARABIA_, _KUWAIT_, _SYRIA_, _JORDAN_

20. For ten points each, name the three physicists who shared the 1965 Nobel Prize for their independent discovery of two different versions of quantum electrodynamics. ANSWERS: Richard _FEYNMAN_, Julian _SCHWINGER_, Schin'ichiro _TOMONAGA_

21. Identify these Faulkner stories from clues, ten points each. Involves the Bundren family's effort to return their matriarch to her birth- place for burial.

Answer: _As I Lay Dying_ Takes its title from Macbeth.

Answer: _The Sound and the Fury_ Finally, for ten excruciating points, spell Faulkner's fictitious county.

Answer: _Y-O-K-N-A-P-A-T-A-W-P-H-A_

22. Given the composer name his era of writing, either Baroque, Classical, Romantic, or 20th Century. Five points each. C.P.E. Bach

Answer: _CLASSICAL_ Saint-Saens

Answer: _20TH CENTURY_ Smetana

Answer: _ROMANTIC_ Handel

Answer: _BAROQUE_ Rimsky-Korsakov

Answer: _20TH CENTURY_ Berlioz

Answer: _ROMANTIC_

23. Tell whether the following are metric spaces, Banach spaces, both or neither. Five points apiece. Topological spaces

Answer: _NEITHER_ Normed linear spaces

Answer: _METRIC_ Hilbert spaces

Answer: _BOTH_ Inner product spaces

Answer: _METRIC_ Tychanoff spaces

Answer: _NEITHER_ Euclidean n-spaces

Answer: _BOTH_

24. Pencil and paper may be needed. Luke gives $5 to John, who gives $10 to Matthew, who gives $15 to Mark, who gives $20 to Luke, who gives $30 dollars to Matthew while John gives $25 to Mark. How much does everyone have relative to what they started with? Five points each plus a ten point bonus for all four. ANSWERS: Matthew, $25 more; Mark, $20 more; Luke, $15 less; John, $30 less.

25. Answer these questions about the parallel careers of John F. Kennedy and Richard M. Nixon for the stated number of points. 05) In what year were both men first elected to Congress?

Answer: _1946_ 10) Who entered the Senate first?

Answer: _NIXON_ 15) Name the Democratic Presidential candidate who almost chose Kennedy as his running mate, where he would have been going against Nixon?

Answer: Adlai _STEVENSON_

26. Given a description of its role in the human body, name the element, ten points each. Essential for carrying oxygen to cells and carbon dioxide away.

Answer: _IRON_ Required by vertebrates to control fluid pressure in cells.

Answer: _SODIUM_ Part of vitamin B12, though its exact role in the body is not understood.

Answer: _COBALT_

27. STOP THE CLOCK WHILE THE DIRECTIONS ARE EXPLAINED. On a piece of paper you will receive three phrases. Each phrase is an anagram of a Division 1-A college. Rearrange each phrase to form the college for ten points each. If you need the name of the school teams, you will only receive five points. HAND PIECE OF PAPER AND RESTART CLOCK. GIVE 15 SECONDS FOR ANAGRAMS. ASK FOR ALL THREE AT ONCE.

PHRASE #1: Rent a dome 5 POINT CLUE: Fighting Irish

Answer: _NOTRE DAME_

PHRASE #2: Nor can I halt, or taste 5 POINT CLUE: Wolfpack

Answer: _NORTH CAROLINA STATE_

PHRASE #3: Date is not sage 5 POINT CLUE: Aztecs

Answer: _SAN DIEGO STATE_

(NOTE: Because these are anagrams, the answers must be exact, e.g. "N.C. State" is unacceptable for Phrase #2.)

28. For ten points each, name the three families of leptons. ANSWERS: _ELECTRONS_, _MUONS_, _TAU_ particles

29. Given the winner of the Nobel Literature Prize for a certain year, name the year for five points each. Rudyard Kipling

Answer: _1907_ Gabriela Mistral

Answer: _1945_ Anatole France

Answer: _1921_ Sir Winston Churchill

Answer: _1953_ Octavio Paz

Answer: _1990_ Naguib Mahfouz

Answer: _1988_

30. Answer these questions that will have your head spinning. For fifteen points, all or nothing, give the two physicists whose names are attached to the statistics for particles of integral spin.

Answer: Satyendra Nath _BOSE_ and Albert _EINSTEIN_ For another fifteen points, all or nothing, give the two physicists whose names are attached to the statistics for particles of half-integral spin.

Answer: Enrico _FERMI_ and Paul _DIRAC_