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1994 ILLINOIS DR. SEUSS MEMORIAL
"CINDY LOU WHO" TOURNAMENT
NOVEMBER 18-19, 1994

ROUND 9
ILLINOIS ALLIANCE (B)
TOSSUPS

1. This effect, discovered in 1896 by the Dutch physicist for whom it is named, is used in astronomy to measure the magnetic field of stars and in physics to determine energy levels in atoms and to study atomic nuclei. For ten points, name this effect, characterized by the splitting of a spectral line into two or more components of slightly different frequencies when the light source generating it is placed in a magnetic field.

The Zeeman effect.

2. Not often do the worlds of opera and popular music meet, but every now and then it happens, especially when the only similarity you're looking for is identical titles: a popular song released this year shares its title with an opera from 1976. For ten points, give the common name of an opera by Philip Glass and of a song by the musical group Counting Crows.

Einstein on the Beach

3. This language, closely related to Catalan, was the primary language of medieval troubadours, and it is still spoken to this day in Europe. Despite the location of the part of the world where it is primarily spoken, it is more closely related to Spanish than it is to French. For ten points, name this language which is spoken by many in southern France.

Provençal (pro-vahn-sal); also accept Occitan or Languedoc

4. A juggling pattern, a brand of dishwashing detergent, a pyrotechnic device imitating a fall of water, a series of small waterfalls, and a mountain range stretching from California to British Columbia all share this seven-letter name. For ten points, what is it?

Cascade

5. He lives at 266 Airport Place, in Washington, D.C., in a remodeled airplane hangar. His father is the senior Senator from California. He attended the U.S. Air Force Academy, where he played football. As Special Projects Director for the National Underwater and Marine Agency, he supervised the raising of the Titanic. For ten points, name the hero of Clive Cussler's novels Dragon and Sahara, as well as Cussler's most recent novel, Inca Gold.

Dirk Pitt

6. In their 11-year existence from 1889 to 1899, they finished above .500 seven years in a row and placed second in the National league three times. But in 1899 this team had indisputedly the worst season ever by a major league baseball team, winning a mere 20 games and losing a whopping 134 - even the '62 Mets did better than that. For 10 points, identify this Cleveland team that holds the dubious honor of being the worst team in baseball history.

Cleveland Spiders

7. This novelist was born on Long Island, New York in 1937. In 1958, he received a B.A. from Cornell, and two years later Boeing Aircraft hired him, the same year he wrote his short story "Entropy". He then left two years later to write full-time, going on to write the novels The Crying of Lot 49, V., and Gravity's Rainbow. For ten points, name this author.

Thomas Pynchon

8. He is actually Ukrainian, not Polish; contrary to what many would believe considering his most famous invention. Reverse Polish notation is used by almost all Hewlett-Packard calculators, a system in which all operands are entered before the operator. For ten points, identify the man for whom reverse Polish notation is named

Jan _Lukasiewicz_ (Loo-kass-uh-witz)

9. Set in colonial West Africa during World War II, this novel recounts the life and death of Henry Scobie, elucidating his personal struggle with his Catholic faith and with God. For ten points, identify this novel by Graham Greene, also a song title

The Heart of the Matter

10. She was the daughter of the grand duke of Tuscany. She chose for her chief minister, her brother-in-law, Concino Concini. Concini emptied the treasury with his extravagance, and after his murder, she was exiled. Her daughter Henrietta Marie married Charles I of England, and she was married to Henri IV of France. FTP, name this woman who was regent and mother of Louis XIII.

Marie de'Medeci

11. Until Martina Navratilova broke this woman's record by winning a ninth Wimbledon singles title, she had held the record with eight. For ten points, name this women's tennis great.

Helen Wills _Moody_

12. A profound and detailed examination of a woman's psyche, this novel is widely regarded as Doris Lessing's masterpiece. It is set in London in the 1950's, but contains reminiscences about colonial Africa and earlier times in the life of its heroine, Anna Freeman Wulf. For ten points, name this book.

The Golden Notebook

13. Originally born Michelangelo Merisi. he took his name from his birthplace. In 1593, he was so poor he had to work for other painters in Rome. His fortunes soon changed dramatically within, as some of his paintings were bought by Cardinal del Monte, and he was also commissioned to paint a large series of religious paintings for the Contarelli Chapel. For ten points, name this painter, noted for still lifes including The Basket of Fruit, The Musical Party, and The Fortune Teller, as well as the paintings The Calling of St. Matthew and The Supper at Emmaus.

Caravaggio

14. The government had previously sold land in the West to settlers for revenue purposes, but this act changed that. Passed by Congress in 1862, it gave 160 acres of unoccupied public land to each claimant upon making a payment of a nominal fee after 5 years of residence; land could also be acquired after six months' residence at \$1.25 an acre. FTP, name this act whose name also refers to the piece of land and the person claiming it.

Homestead Act

15. It is roughly seven times as long as the Iliad and the Odyssey combined, being one of the longest poems in literature. It was added to as late as the seventh century A.D., but it acquired its present form by the fourth century A.D. Part of it tells the story of an eighteen-day battle between the armies of two rival families, the Kauravas and the Pandavas, for the throne of a kingdom in Northern India. For ten points, identify this epic which contains the Bhagavadgita.

Mahabharata

16. This term from game theory refers to a pair of strategies which are in balance in that one player's choice is optimal, given the other player's choice, and the other player's choice is optimal given the first player's choice. For ten points, give the name of this term, named for the American mathematician John Nash, who formulated this concept.

Nash equilibrium (more specific on 'equilibrium' alone)

17. Defense mechanisms, such as denial, repression, or rationalization are used to assimilate new information which conflicts with the beliefs or assumptions that are previously held. This allows the person to preserve the stability and order of their perception of reality. For ten points, give the two word name of this concept, which means the mind not agreeing.

Cognitive dissonance

18. In the past, navigators at sea had the problem of having virtually no way of accurately finding their longitude, so that actually arriving at their destination depended heavily on chance. However, in 1762, a horologist by the name of John Harrison invented this device, which could keep time on a ship without being affected by the swaying of a ship. For ten points, name the invention, modern ones of which can keep time within a tenth of a second a day.

Chronometer (I guess more specific on 'clock'...)

19. This ancient civilization is known for its very fine polychrome ceramics, and especially for its double spouted pottery which depicts various aspects of daily life. However, their name is more commonly associated with the group of geometric forms and huge animal figures that are located in the Peruvian desert, visible only from the air. For ten points, name this civilization which flourished from roughly 100 to 800 A.D.

Nazca

20. 1990 was indeed a busy year for geographers, with boundaries changing everywhere. While the Germanies reunited their Western and Eastern halves, considerably less attention was focused on this western Asian country's combining. In this case, the country's northern and southern halves reunited after the end of a bitter civil war. For ten points, name this country with its new capital at Sana and its principal port at Aden, located at the southwestern corner of the Arabian peninsula.

Yemen

21. One algorithm for constructing one of these from a graph is credited to Sollin, although he himself never published it. Two rather more well-known algorithms for finding them were published by Robert Prim in 1957 and Joseph Kruskal in 1956. For ten points, give this term for a set of edges in a graph so that the sum of the weights of the edges is as small as possible and where any two vertices in the graph are connected by a path using only edges in the set.

Minimal spanning tree

22. The national collegiate punting champion in 1981 and 1982 at the University of Iowa, this punter enjoyed a long career with the Miami Dolphins until recently when he changed teams. For ten points, name the current punter of the Washington Redskins.

Reggie _Roby_

23. Literally translated, this term means "round-about speaking"; an example of it would be "The answer is in the negative" in place of simply saying "no." For ten points, name this method, often found in question packets, of stating an idea in an indirect, excessively verbose manner, which also sounds like your other option besides citing in a research paper.

Periphrasis

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BONUSES

1. Identify the dramatist from the works provided, 30-20-10.

30. Exit the King, A Stroll in the Air

20. The Chairs, Rhinoceros

10. The Lesson, The Bald Soprano

Eugene Ionesco

2. One of the staples of question packets are contrived periodic table questions. So here's one that isn't quite so contrived. Elements in the same column in the periodic table tend to have similar properties. So, given all but one element in a column, name the missing element for 5 points each. However, an incorrect answer STOPS you, so be careful.

a) Fluorine, Bromine, Astatine, Iodine

Chlorine ✓

b) Helium, Argon, Krypton, Xenon, Radon

Neon ✓

c) Hydrogen, Lithium, Sodium, Cesium, Francium, Rubidium

Potassium

d) Sulfur, Polonium, Oxygen, Tellurium

Selenium

e) Nickel and Platinum

Palladium

f) Boron, Thallium, Aluminum, Gallium

Indium

3. Okay, let's see what you know about faults, aside from finding them in question packets. Given a brief description, identify the fault as a thrust fault, a normal fault, or a strike-slip fault.

a) This kind of fault results from horizontal compression forces caused by a contraction of the Earth's crust, with the easiest path of stress relief upward.

Thrust fault ✓

b) This kind of fault is similar to the previous one, except the easiest path of stress relief is in a horizontal path, almost parallel to the compression force.

Strike-slip fault ✓

c) This type of fault results from vertical compression as the Earth's crust spreads.

Normal fault ✓

d) The San Andreas Fault in California is this type of fault.

Strike-slip fault

e) Another name for this type of fault is a transcurrent fault.

Strike-slip fault

f) Large faults of this type are characteristic of the Ridge and Valley region of Virginia and Tennessee.

Thrust fault ✓

4. Given the first play by an American dramatist, name the person who wrote it, for 5 points apiece.

a) The Zoo Story

Edward Albee ✓

- b) The Children's Hour
- c) White Desert
- d) Farther off from Heaven
- e) The Grass Still Grows
- f) The Hungeres: A Short Play

Lillian _Hellman_
 Maxwell Anderson
 William _Inge_
 Arthur _Miller_
 William _Saroyan_

5. Probably the most infamous embarrassment to baseball in the history of the sport (before this year's strike, at any rate) is the 1919 Black Sox scandal. Most people know the story behind it, and about the eight players, including Eddie Cicotte and Shoeless Joe Jackson. But, for 10 points each, can you name any three of the other six players banned from the sport for life by Kenesaw Mountain Landis?

Claude "Lefty" _Williams_, Charles "Chick" _Gandil_, Charles "Swede" _Risberg_,
 George "Buck" _Weaver_, Oscar "Happy" _Felsch_, and Fred _McMullin_.

6. Portnoy's Complaint, by Philip Roth, is a satiric novel which describes a Jewish man's futile struggle for freedom from his past, specifically the guilt, restrictions, and taboos imposed upon him by his parents and religion during childhood, and his sense of alienation in the present. FTP, answer the following questions.

a) What is the protagonist Portnoy's first name?

Alexander ✓

b) What are the first names of Alexander Portnoy's parents?

Jake or _Jack_ (either OK) and _Sophie_

7. Identify the male world record holders in each of the following three track and field events.

[Author: Records are as of 1993, but as far as I know, none of them was broken in the past year.]

a) First, for ten points, who holds the world record in high jump at 8'0"?

Javier _Sotomayor_

b) Next, for ten points, who holds the world record in the triple jump at 58'11 1/2"?

Willie _Banks_

c) Now, for five points, who holds the world record in the long jump?

Mike _Powell_ ✓

d) Finally, for five more pts, how far did Mike Powell go on his record-breaking jump of 1991?

29 feet 4-1/2 inches

8. FTP each, identify the protagonist of the following novels, given the title and the author.

a) Lolita, by Vladimir Nabokov

Humbert Humbert ✓

b) Expensive People, by Joyce Carol Oates

Richard Everett

c) Goodbye, Columbus, by Philip Roth

Neil Klugman

9. In Greek mythology, for Prometheus to be released from the rock he was chained, two conditions had to be met. First, a mortal had to kill the eagle which pecked out his liver each day and unchain him, and second, an immortal had to die for him. For 15 points each, name the mortal who killed the eagle and freed Prometheus, and the immortal who died for him.

Heracles (or _Hercules_) and _Chiron_

10. Answer the following questions about Italian history.

a) FTP, What was the Italian unification movement from the 19th century called,

whose name means 'rising again' in Italian?

Risorgimento

b) For 5 pts, Which early leader of the Risorgimento organized and led the revolution of 1848 and proclaimed the Italian Republic in 1849?

Giuseppe Mazzini

c) For 5 pts, What was the name of the first avowedly republican and national group founded by Giuseppe Mazzini?

Young Italy

d) After the failed revolution of 1848, the leadership passed on to what prime minister of the kingdom of Sardinia?

Count Camillo di Cavour

e) Finally, who was proclaimed the first King of Italy in 1861?

King Victor Emmanuel II

11. Identify the famous figure from the 20th century, given a nickname of theirs, for 5 pts each.

a) Dictator of Louisiana

Huey Long

b) Bad Boy of Baltimore

H.L. Mencken

c) Galahad the Elderly

Claude Pepper

d) Poor Little Rich Girl

Gloria Vanderbilt

e) Simple Barefoot Boy from Wall Street ~~Wendell~~

Wendell Willkie

f) Buck Private's Gary Cooper

Douglas MacArthur

12. Famous battles sometimes have a way of getting named after places where they didn't take place. Like Bunker Hill for Breed's Hill. For 15 pts each, give the actual place where these famous battles took place.

a) Tours, 732

Poitiers

b) Poitiers, 1356

Maupertuis

13. Cryolite is a colorless to white halide mineral, used in metallurgy and in the glass and enamel industries. It is composed of three different elements; for 10 points each, name them.

Aluminum, Sodium, Fluorine

14. 30-20-10, Identify the literary character.

30. Every evening, the nearsighted old man would count and caress his shiny gold.

20. Convicted of theft, he finds himself a lone alien in the prosperous village of Raveloe.

10. After his gold is stolen, this weaver adopts Hephizab, also known as Eppie, and raises her as his daughter.

Silas Marner

15. Identify the literary work, 30-20-10.

30. Set in England in the 1890's, it includes the fictitious invalid "Bunbury."

20. It contains a side romance between Mrs. Prism and Reverend Canon Chausable [sp?].

10. It contains the main characters Jack Worthy and Algernon Moncrieff, and was penned by

Oscar Wilde.

The Importance of Being Earnest

16. Identify the authors of each of the following works which have 'Dead' or 'Death' in the title; ten points for each correct answer.

a) The Dead, the last and most famous of the short stories in one of this Irish playwright's collections of short stories.

James _Joyce_

b) The Death of Artemio Cruz, a novel that takes a deep plunge into the dying body and sharply aware conscience of Artemio Cruz, a political boss of contemporary Mexico.

Carlos _Fuentes_

c) The Death of the Heart, the story of Portia Quayne, an illegitimate 16-year-old girl who comes to live with her half-brother when her mother dies.

Elizabeth _Bowen_

17. Given the opera, name which country in which it takes place.

- a) Aida _Egypt_
- b) Carmen _Spain_
- c) Faust _Germany_
- d) The Flying Dutchman _Norway_
- e) Madame Butterfly _Japan_
- f) The Magic Flute _Egypt_

18. A strait is defined as a narrow waterway, often large enough for ocean traffic to pass through. For 5 points each, 5 pt bonus for all correct, name each strait, given a description.

- a) Between Cuba and Haiti, in the Caribbean Sea _Windward Passage_
- b) Between Victoria Island and the peninsular part of Washington State _Juan de Fuca_ Strait
- c) Between Sumatra Island and the Malay peninsula Strait of _Malacca_
- d) The 2 straits separating the European and Asian parts of Turkey (5 foreach one)
The _Dardanelles_ (or _Hellespont_) and the _Bosporus_ (or _Bosphorus_)

19. Two of the movies which helped to make actor Peter Sellers a household name were The Pink Panther and its sequel, A Shot in the Dark, both released in 1964. However, there were six more Pink Panther movies after that, not all of which starred Peter Sellers. For 5 points each, place the movies from earliest to latest in order of release. The movies are: The Return of the Pink Panther, Revenge of the Pink Panther, Curse of the Pink Panther, Trail of the Pink Panther, Son of the Pink Panther, and The Pink Panther Strikes Again.

The Return of the Pink Panther ('74), The Pink Panther Strikes Again ('76), Revenge of the Pink Panther ('78), Trail of the Pink Panther ('82), Curse of the Pink Panther ('83), and Son of the Pink Panther ('93)

20. Identify the author from the work provided, 30-20-10.

30. Theory of Colours

20. Poetry and Truth

10. The Sorrows of Young Werther

Johann Wolfgang von _Goethe_

21. Here's a rather gloomy bonus; for ten points each, name the gloomy fictional characters from their descriptions.

a) In J.R.R. Tolkien's The Hobbit, this man was described as grim, serious, and always predicting doom, but he was right when he warned people of Esgaroth of the dragon Smaug's arrival. He was also the man who fired the arrow which killed Smaug.

Bard

22. In Douglas Adams's So Long, and Thanks for All the Fish, this miserable character runs an all-weather haulage company. His wife always takes in the laundry when he calls to let her know he's coming home so it won't get rained on.

Rob McKenna

23. Identify the mathematician. He got his mathematics degree from Cambridge in 1857. His book Symbolic Logic clarifies ideas originally presented by Boole. In this book, he presents a systematic development of a method that uses geometric figures to analyze logical arguments. Today his diagrams are primarily used to illustrate relationships between sets. For 20 points, identify this English mathematician.

John Venn

Identify the meteorological instrument for 10 points apiece.

a) The most commonly used form of this is a device where revolving cups drive an electric generator, and the output of the generator operates an electric meter which indicates wind speed.

Anemometer

b) This is carried into the sky by way of a balloon, where it makes various atmospheric measurements; it then transmits the readings back to a station on the ground via radio.

Radiosonde

c) This instrument is comprised of two similar thermometers; the bulb of one is covered by a thin, wet cloth, and the other is kept dry.

Psychrometer (do not accept hygrometer - this is only one of several kinds of hygrometer)