

1997 Illinois On Beyond Zebra Round 10  
Questions by Wichita State

1. The completion of a painting titled "The Burning of Los Angeles" coincides with the explosion of the other characters' unfulfilled dreams in a conflagration of riot and murder. The main character is a set designer who becomes involved in the lives of several individuals who have been warped by their proximity to the artificial world of Hollywood. For ten points, identify this 1939 novel, whose protagonist is Homer Simpson, written by Nathaniel West.

Answer: The Day of the Locust

2. Modified versions of this technique, originally made popular by Walter Freeman and James Watts, have proven effective in treating Parkinson's disease, bipolar disorder, obsessive-compulsive disorder, and major depression. Harvard neurosurgeon G. Rees Cosgrove, with the assistance of modern stereotaxis (STARE-e-o-TAX-iss) and much finer probes, removes small bits of the cingulate gyrus (SING-u-late JYE-russ) in a process similar for ten points to what primitive psychosurgery?

Answer: Lobotomy

3. Based on his discoveries, his brother Gerolamo published maps in 1529 which showed a new concept of North America. He made two voyages to the New World; in 1524 he explored the coast from North Carolina to Maine, while in 1526 he explored the West Indies, where he was killed by the natives. For ten points, identify this Italian-born explorer, sailing for France, whose namesake bridge connects Staten Island and Brooklyn.

Answer: Giovanni da Verrazano

4. His philosophy is a descriptive study of consciousness for the purpose of discovering the structure of experience, or the laws by which experiences are had. His early works, On the Concept of Number and Philosophy of Arithmetic, were marked by psychologism, the attempt to base logic and arithmetic on psychology. For ten points, identify this German philosopher, most noted for the works Logical Investigations and Ideas for a Pure Phenomenology.

Answer: Edmund Husserl

5. This board game was introduced to Britain by the crusaders, and gained its current name around 1750. The playing field is divided into four quadrants, and order of play is determined when each player casts one of his pair of dice. The higher single gains the privilege, and takes the result of both dice as his roll. For ten points, name this game in which the object is to "bear off" all fifteen of your pieces before your opponent.

Answer: Backgammon

6. After months of costly fighting the Allied commander, Sir Ian Hamilton, was replaced by Sir Charles Munro, and the Allies withdrew from the area on January 9, 1916. It was promoted by the first lord of the admiralty, Winston Churchill, and the Royal Navy had arrived in February 1915. Inexplicably, the army did not arrive until April, giving the Turkish army time to reinforce its positions. For ten points,

identify this World War I campaign in which the Allies sought to gain control of the Dardanelles and Bosphorus straits.

Answer: Gallipoli

7. After hearing the first Paris performance of this composer's "Symphony #3 in C-Minor," Charles Gounod exclaimed, "There goes the French Beethoven!" Actually, the style of the symphony was not so much Beethoven as it was Liszt, a keen supporter of his, but this composer did earlier compose "Variations on a Theme of Beethoven." For ten points, identify this composer of symphonic poems and concertos who is well-known for the opera "Sampson and Dalila."

Answer: (Charles) Camille Saint-Saens

8. For this lengthy epic, the author created his own form consisting of nine lines to a stanza, rhyming a-b-a-b-b-c-b-c-c. The characters and plot are allegorical; for example, Prince Arthur represents Christ, Sir Guyon represents temperance, the Red Crosse Knight represents holiness, and Brittomart represents chastity. For ten points, identify this unfinished 16th-century epic poem utilizing the Spenserian stanza.

Answer: The Faerie Queene

9. Oxides of this metal, a radioactive transition element, can prevent the corrosion of iron by water. It has also found applications in medical imaging. Minute quantities of it were found in Colorado, in 1988, thereby disproving what scientists had originally thought. For ten points, name this element, created by Emilio Segre and Carlo Perrier, with common mass number 99, specific gravity of 11.5, and atomic number 43.

Answer: Technetium (Prompt on Tc.)

10. His tenure on the Supreme Court was quite moderate; he has been described as a conservative on a liberal court and as a liberal on a conservative court. Some of his quotes have become memorable in American law, such as, in *Furman v. Georgia*, "These death sentences are cruel and unusual in the same way that being struck by lightning is cruel and unusual," and in *Jacobellis v. Ohio*, he referred to obscenity as, "I know it when I see it." For ten points, identify this justice, appointed in 1958 to replace Harold Burton, and replaced in 1981 by Sandra Day O'Connor.

Answer: Potter Stewart

11. The daughter of Helios and aunt of Medea, she gave Medea and Jason advice on their homeward journey and purified the couple for the murder of Absyrtus (Ab-SEER-tus). The herb moly could defeat her charms, however seductive they were. For ten points, identify this enchantress who transformed men into swine and detained Odysseus and his followers on the island of Aeaea.

Answer: Circe

12. It is useful in detecting and generating high-energy electromagnetic radiation, as well as detecting weak magnetic fields. To produce this effect, a thin slice of insulating material is placed between two pieces of superconducting material. The

characteristic rapid oscillation of Cooper electron pairs occurs when a steady voltage as from a battery is applied to the apparatus. For ten points, name this effect, named for the British physicist who proposed it in 1962.

Answer: Josephson effect

13. He sold stolen cigarettes as a child and participated in the Air France and Lufthansa heists. He went to jail, along with his mentor Jimmy Conway, for holding a man over a lion's den. Upon his release, he became a drug dealer, and, when he was caught, he turned states' evidence against his friends in the mob. For ten points, name this "schnook," portrayed by Ray Liotta in *Goodfellas*.

Answer: Henry Hill

14. In the Louvre hangs the earlier of two slightly different versions of this painting with the latter being exhibited in Berlin. Their common title came later, and, though universally adopted, it is surely wrong, as has recently been shown. Each depicts men and women in pairs against the sunset sky with a statue of Venus off to the right as they approach a waiting boat at the shore of an inlet to the sea. For ten points, identify this famous pair of paintings completed in 1717 and 1718 by the French painter Jean-Antoine Watteau.

Answer: "Embarkation for Cythera" or "A Pilgrimage to Cythera" or "The Pilgrimage to Cythera"

15. The children of Isengrim, the wolf, had been blinded by him. Bruin, the bear, was promised honey and then lured into a trap by him. Chanticleer, the cock, was deceived into relaxing his vigilance and his children get eaten by him. Kyward, the hare, accompanies him on a "pilgrimage" and is eaten by him. For ten points, identify this crafty and persuasive liar, the villainous hero of many medieval beast epics.

Answer: Reynard the Fox

16. The first general arrangement of this text was undertaken around 120 C.E., by Rabbi Akiva. (a-KEE-va) It is separated into six sections, covering agriculture, benedictions, festivals, civil law, holy objects, and ritual purity. This Halakic (ha-LA-kick) text became authoritative for later Judaism, with final editing completed near the end of the 2nd century C.E. by Rabbi Judah the Prince. For ten points, name this text which takes its name from the Hebrew for 'repetition.'

Answer: Mishnah

17. It stands in an oasis between mountains and desert and is bisected by the Barada River. It was a provincial capital in the Byzantine Empire and became Muslim when taken by the Arabs in 635. It has been conquered by the Saracens and the Ottoman Turks before Lawrence of Arabia took it in 1918. For ten points, name this city, home of the Great Mosque and present capital of Syria.

Answer: Damascus

18. After returning to the United States in 1928, he published "New Found Land", which reveals his simple lyric eloquence and includes one of his best-known poems,

"You, Andrew Marvell." His early poems range from expressions of postwar disillusionment such as "The Pot of Earth," to a long narrative on Mexico's conquest, "Conquistador." For ten points, identify this author who retold the story of Job in his verse drama *J.B.*

Answer: Archibald Macleish

19. This Russian project's satellites dipped into Venus' gravity well to propel themselves to their real target. They provided some data about Venus along the way, but their main contribution was to provide the first detailed information about the physical and chemical make-up of a comet. For ten points, name this project, named from the Russian for Venus and Comet, sharing that name with the fifth-brightest star.

Answer: VEGA

20. This city, the third largest in its nation, is nicknamed "Garden City" and recently won a global cityscaping competition. It lies at the junction of the Heathcote and Avon rivers, at the southern end of Pegasus Bay. Founded in 1850 by English Anglican colonists, their leader, John Robert Godley, named it after his old college at Oxford University. For ten points, identify this city in New Zealand, the largest on the South Island.

Answer: Christchurch

21. She was widowed in 1942 after a dessert of poisonous cherries killed her husband, but the tragedy did not slow her down for long. She quit riding her bike at age 101, and continued to enjoy chocolates, cigarettes, and one-liners, such as "I've never had but one wrinkle, and I'm sitting on it." For ten points, identify this 122-year-old Frenchwoman, who was officially the world's oldest person until her death in August.

Answer: Jeanne Calment

22. The X, Q, and V register sets control the options for displaying result codes. The E and F registers control local echoes of input. The I register displays product information. The &B (ampersand B), &N, and &K registers govern data transmission rates, and the &H, &I, and &R control the flow of data. More familiar within this set might be the Z command to reset the hardware, or the D command to dial. For ten points, what command set, named for the company that developed it, has become the de facto modem standard?

Answer: Hayes-compatible command set (Accept \_Hayes Microcomputer Products\_)

23. The *Vita Merlini*, like his more famous work, also influenced later stories of Arthur and Merlin. He drew information from the writings of Bede, Gildas, Nennius, the Welsh chronicles and folklore. For ten points identify this 12th Century bishop and author of the *History of the Kings of Britain*.

Answer: Geoffrey of Monmouth

24. His admiration for the religious reformer Frederick Denison Maurice led him to join the Christian socialists and, in 1854, to become a founding member of the Working Men's College, of which he was principle from 1872 to 1883. His simple,

earnest approach to religion and his robust patriotism show plainly in his tracts "A Layman's Faith" and "The Manliness of Christ." For ten points, identify this British jurist, reformer, and novelist, whose love for the great Rugby headmaster Thomas Arnold and for games and boyish high spirits are admirably captured in "Tom Brown's School Days."

Answer: Thomas Hughes

1997 On Beyond Zebra Round 10  
Boni by Wichita State

1. Given the name of a Dickens villain or otherwise nasty person, name the work by Charles Dickens in which that character appears for the stated number of points.

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|----------------------|--|
| 5: Compeyson         | ANS: <u>Great Expectations</u>         |
| 5: Bill Sikes        | ANS: <u>Oliver Twist</u>               |
| 10: Wackford Squeers | ANS: <u>Nicholas Nickleby</u>          |
| 10: Neville Landless | ANS: <u>The Mystery of Edwin Drood</u> |

2. Identify the year from the events in the physics community, 30-20-10.

- 30: Johannes Stark discovers that spectral lines of a light source split when placed in an electrical field.  
20: Frederic Soddy coins the term isotope to describe atoms of the same element with different atomic masses.  
10: Robert Millikan completes a seven-year study on the value of the charge of an electron, his famous "oil drop" experiment.

Answer: 1913

3. Identify the composer from works on a 10-5 basis.

- 10: "The Nursery," "Sunless," and "Salammbô"  
5: "Boris Godunov," and "Night on Bald Mountain"

Answer: Modest (Petrovich) Mussorgsky

- 10: "Iris", "Nerone", and "Il piccolo Marat"  
5: "Cavalleria rusticana"

Answer: Pietro Mascagni

- 10: "Coppelia", and "Jean de Nivelle"  
5: "Lakme", "Sylvia"

Answer: (Clement Philibert) Leo Delibes

4. Identify the Chinese dynasties from a description for ten points each.

- a. This dynasty saw the unification of China under the harsh rule of Shih Huang-ti. Feudalism was replaced by a pyramidal bureaucratic government, and the written language was standardized. Much of the Great Wall was built.

Answer: Ch'in

b. This dynasty saw the reunification of China, and centralized government was reestablished. Buddhism and Taoism were favored, and the Great Wall was re-fortified. It lasted from 581 to 618.

Answer: Sui

c. This dynasty saw growing contact with the west and the discouragement of Confucian ideals. This was the great age of Chinese playwriting, and this dynasty was founded by the Mongol Kublai Khan.

Answer: Yuan

5. During his monumental career, film legend Jimmy Stewart created many, many, memorable roles like his George Bailey and Jefferson Smith. Given the Jimmy Stewart character, name the film for 10 points, or from a description for five.

10: Elwood P. Dowd

5: It's about a six-foot invisible rabbit.

Answer: Harvey

10: Ransom Stoddard

5: John Wayne does the deed, but Jimmy takes the credit.

Answer: The Man Who Shot Liberty Valence

10: L.B. "Jeff" Jeffries

5: Stewart observes the nefarious deeds of Raymond Burr across the alley.

Answer: Rear Window

6. Sure, we've all taken Calc I, but how much do you remember from that dreaded subject? FTP each, calculate each of the following on the handout given; you have 45 seconds for all three problems.

(Moderator: hand out sheet A)

ANSWERS: a. 1  
b. 7  
c. 1/2 or 0.5

7. MYTHOLOGY. They're Bad. They're Beautiful. They're the Titans of Greek Mythology.

FTP each name the male Titan given some of his progeny.

a. children Hera, Hades, and Posiedon

ANS: Cronus

b. children Helios, Selene, and Eos

ANS: Hyperion

c. sons Atlas, Menoetius, Prometheus, and Epimethius

ANS: Iapetus



8. There's a whole lotta shakin' going on. Answer these questions about earthquakes, FTPE.

a. There are two major types of earthquakes, in addition to those produced by man's actions. FTP each, name those two types.

Answer: Tectonic and Volcanic

b. Earthquakes aided in the discovery of what boundary between the earth's mantle and crust, lying approximately 3000 miles beneath the surface, and named for the German-american geologist who discovered it. FTP, name it.

Answer: Gutenberg discontinuity

9. In *A Midsummer Night's Dream*, six "rube mechanicals" gather in the woods to plan a celebration for their Duke's approaching wedding. For five points each, given the name of each rube mechanical give his related blue-collar profession.

1) Nick Bottom	ANS: <u>Weaver</u>
2) Peter Quince	ANS: <u>Carpenter</u>
3) Snout	ANS: <u>Tinker</u>
4) Starveling	ANS: <u>Tailor</u>
5) Flute	ANS: <u>Bellows-Mender</u>
6) Snug	ANS: <u>Joiner</u>

10. Identify the American, 30-20-10.

30: In 1839 he was elected governor of Tennessee, but was defeated for re-election by the Whig candidate in 1841 and 1843.

20: He spent 14 years in the House of Representatives, where he was Speaker of the House from 1835 to 1839.

10: With the forces of Van Buren and Lewis Cass deadlocked at the 1844 Democratic convention, he became the darkhorse nominee who defeated Henry Clay in the November election.

Answer: James Polk

11. Identify these figures in the campaign finance investigations.

5: This Tennessee Senator and sometime actor is the chair of the Senate Governmental Oversight Committee.

Answer: Fred Thompson

5: This Ohio Democrat is the Ranking Member on Thompson's committee.

Answer: John Glenn



10: This former Commerce Department official is suspected of being an agent for the Chinese government.

Answer: John Huang

10: This Arkansas restaurateur and contributor is evading Thompson's subpoena by hiding in China, saying "I want to stay alive."

Answer: Charles Yah Lin Trie

12. The rapid development of figure sculpture in Florence began with the competition sponsored in 1401 by the textile merchants' guild for designs for a pair of bronze doors to adorn the Baptistery, matching the earlier pair by Andrea Pisano. Answer the following questions about the competition for ten points each.

A. What was the Biblical subject of the competition?

Answer: The Sacrifice of Isaac

B. Who won the competition and the contract to complete the great bronze doors which incorporated 28 panels with scenes from the life of Christ?

Answer: Lorenzo Ghiberti

C. The Sienese master, Jacopo della Quercia, was defeated in the competition along with this man whose version of "The Sacrifice of Isaac," like Ghiberti's, still exists.

Answer: Filippo Brunelleschi

13. Is it an acid, or is it a base? Answer these questions about chemical indicators on a 10-5 basis.

a. 10: It is a complex dye, obtained from lichens of the genus *Variolaria*. (VER-ee-o-Lair-ee-ya)

5: In the presence of an acid, it is red, and in the presence of a base, it is blue.

Answer: Litmus

b. 10: It is formed from a reaction between Carbolic Acid and Phtalic (FTHAIL-ic) anhydride.

5: It is colorless in solutions of pH below 8, and red above pH 9.6.

Answer: Phenolphthalein (FEE-nole-Fthail-een)

c. 10: In its pure state, it is an orange-yellow powder, with chemical formula  $C_{14}H_{14}N_3NaO_3S$ , and is also used as a biological stain.

5: In solutions below 3.1 pH it is red, above pH 4.4 it is yellow.

Answer: Methyl Red (Accept Methyl Orange)

14. For ten points apiece, dust off your memory of Herman Melville's magnum opus, *Moby Dick*, and name the Pequod's captain, first mate, and second mate.

ANS: Ahab, Starbuck, Stubb

15. Given clues, identify the genetic diseases and related terms for ten points each.

a. This disorder occurs mainly among African and those of African descent. Red blood cells assume distorted shapes; because of a chemical abnormality, the red blood cells are fragile and subject to rupture.

ANS: sickle-cell anemia

b. It chiefly afflicts Jews of Eastern European descent in which the body is unable to produce an enzyme necessary for fat metabolism in nerve cells which leads to nerve cell degeneration.

ANS: Tay-Sachs disease

c. Carried out around the 14th or 15th week of pregnancy, this procedure used to detect genetic illnesses is conducted by inserting a needle into the placenta and extracting a sample of the fluid surrounding the fetus.

ANS: amniocentesis

16. The United States national soccer team faces a difficult road to World Cup '98. Answer the following questions related to the Americans' run for the stated number of points.

5 --The Americans play this first place team in their group, which includes stars such as Jorge Campos, on November 2 in its capital city.

ANS: Mexico

10 -- This coach of the United States team replaced Bora Milutinovic (mil-yoo-TIN-oh-vich) in 1994; his best performance is leading the United States to a victory over Argentina and a semifinal berth in Copa America 1995.

ANS: Steve Sampson

15 -- This team, revamped by several British imports, fought the United States to a 1-1 tie in Washington in early October; they currently place second in the group.

ANS: Jamaica

17. Answer the following questions about *Giants in the Earth* for the stated number of points.

10 -- What Norwegian immigrant, son of a Lofoten fisherman and professor of Norwegian at St. Olaf, wrote *Giants in the Earth*?

ANS: Ole Edvart Rølvaag

10 -- Name its protagonist, who settles in Spring Creek, South Dakota, with his family, and dies in a blizzard.

ANS: Per Hansa or Peder Hanson

For five points each, identify the other two books which form a trilogy with *Giants in the Earth*, one of which is named for Per Hansa's son.

ANS: Peder Seier or Peder Victorious, and Their Fathers' God

18. Identify the sociologists from clues for ten points each.

a. Banished from the Soviet Union for anti-Bolshevism in 1923, he emigrated to the U.S., where he taught at the University of Minnesota and Harvard. His controversial theories of the social process and his historical typology of cultures appear in "Social and Cultural Dynamics" and other works.

Answer: Pitirim Alexandrovitch Sorokin

b. Influenced by the positivism of Comte, he applied the methods of natural science (particularly empirical evidence and statistics) to the study of society. His important works include "The Rules of Sociological Method", "Suicide", and "The Elementary Forms of Religious Life."

Answer: Emile Durkheim

c. Opposing dialectical materialism, he related the rise of capitalist economy to the belief in the moral value of hard work. He wrote *The Protestant Ethic and the Spirit of Capitalism*.

Answer: Max Weber

19. Identify the following Secretaries of State from clues for ten points each.

a. Eisenhower's Secretary of State from 1953-1959.

Answer: John F. Dulles

b. Hoover's Secretary of State; 1929-1933.

Answer: Henry Stimson

c. Bush's Secretary of State; 1989-1992.

Answer: James Baker III

20. 30-20-10; name this American historical figure.

30: His book, *Russia Leaves the War*, won the 1957 Pulitzer Prize for history; in 1989 he wrote the autobiographical *Sketches From a Life*.

20: He was the United States ambassador to the U.S.S.R. in 1952 and to Yugoslavia from 1961-63.

10: He formulated the Cold War policy of "containment" toward the U.S.S.R.

Answer: George F. Kennan

21. Identify the following economic theories or principles for 15 points each.

5: Formulated in the 1817 work *The Principles of Political Economy and Taxation*, it states that wages tend to stabilize around the subsistence level and that the value of most goods is a function of the labor needed to produce it.

Answer: iron law of wages

10: This principle, outlined in 1947, deals with constraints on maximizing behavior, explaining that short-run demands have lower elasticity than those in the long run since a longer time frame allows new factors and prices to change.

Answer: \_Le Chatelier\_'s Principle

15: Named after an English political economist and a Romanian-born economist, this principle states the conditions under which a change in a country's exchange rate will improve its balance of payments. Specifically, the price elasticity of demand for imports and exports must be greater than unity for improvements to be effected in the balance of payments.

Answer: \_Marshall-Lerner\_ Principle

## VISUAL BONUS--ROUND 10

A.  $\lim_{x \rightarrow 0} \left( \frac{\sin x}{x} \right)$

B.  $\int_1^2 2x + 4 \, dx$

C.  $\frac{d}{dx}(\ln x)$  when  $x = 2$