

## 1997 Illinois On Beyond Zebra Round 1

Tossups by Iowa

1. It can be immersed but not embedded in three-space. It has an Euler characteristic equal to zero, and can be formed from a rectangular plane by identifying the top and bottom edges using the same orientation, but identifying the left and right edges with opposite orientation. In effect, it is the 3D equivalent to a Mobius band. For ten points, name this mathematical container.

Answer: Klein bottle

2. As Chief Secretary he established an Irish police force. Staunchly opposed to the Papists for years, he changed his mind under Wellington, and fought for Catholic Emancipation, passing it in 1829. He again saw the error of his ways regarding the Irish in the 1840's, saying he could no longer rebut Richard Cobden's arguments, and hence forced the total repeal of the Corn Laws to help alleviate famine. For ten points, identify this British Prime Minister, founder of the Conservative Party, who also founded and provided the nickname for the British police.

Answer: Sir Robert Peel

3. This city was founded with the help of the prophecies of Melquiades. It is a large city, where ice is considered a source of wonder, but it is dominated by one family, whose members practice geophagy, alchemy, and authoritarian dictatorship over the years. The family, including Amaranta, Jose Arcadio, and Aureliano Buendia, rules this setting for much of Gabriel Garcia Marquez's work. For ten points, name it.

Answer: Macondo

4. It is only dissolved by the onset of the Oedipus complex, according to its formulator. It usually starts around six months and involves the recognition of a child of its separation from representations and from Others. It stems from self-recognition of the limits of the body, and is where the infant first emerges from the Imaginary into the Symbolic. For ten points name this psychological development stage formulated by Jacques Lacan.

Answer: mirror stage

5. The setting of this 1893 opera is in the Harz mountains near the Ilsenstein Peak. The mother Gertrude sends her children out to gather strawberries. The father Peter, a broommaker, worries so they go look for them, but the children fall asleep thanks to the Sandman and are awakened by the Dew Fairy, when they see a candied house. For ten points, name this Englebert Humperdinck work.

Answer: Hansel und Gretel (Hansel and Gretel)

6. The grana are stacks of 10 to 20 flat membranes called thylakoids, and are housed in the fluid-filled stroma, which is itself protected by a double membrane. The thylakoids are relatively rich in manganese and carotids, while carbon-fixing enzymes stay in the stroma. The light-dependent reactions take place in the thylakoids, making it the locus of photosynthesis. For ten points, identify these DNA-endowed structures of plants that are packed with chlorophyll.

Answer: chloroplasts

7. In 1939, he was proclaimed King of Albania. In 1935, this member of the house of Savoy was proclaimed Emperor of Ethiopia. He reigned over his home country after the death of Humbert I from 1900-1946, though from 1922 on he had little power (or brain, apparently), as he let Mussolini dictate in Italy. For ten points, name this man, king of Italy through World War II.

Answer: Victor Emmanuel III

8. On Christmas Eve, public interest lawyer Joanne Jefferson is struggling to set up a performance piece by her lover Maureen Johnson, but is having trouble. So, Maureen's ex, Mark Cohen, comes to help, while Tom Collins is mugged but meets the love of his life Angel Dumont Schunard. Finally, musician Roger Davis meets Mimi Marquez, as the characters redo La Boheme. For ten points, what Jonathan Larson work is this?

Answer: Rent

9. It lies between the Vitosha and the Balkan Mountains, near the Isker River. Originally settled by Thracians, Rome lost it to the Huns in the 400's, who lost it to the Bulgars in the 800's. In 1378, it became a metropolis in the Ottoman Empire, until taken by Russia in 1878. It was held by Germany during WWII, until liberated by the USSR in 1944, which installed a Communist government under the likes of Zhivkov. For ten points, name this capital of Bulgaria.

Answer: Sofia

10. He was a warrior and king of Ife who left the earth after accidentally killing some of his own people. He is associated with the colors red and black and with Sainte-Jacques. He is the guardian of warriors, metallurgy, and creative fire. For ten points, name this Yoruba orisha, whose name is similar to an ancient Celtic writing system

Answer: Ogun (accept Ogum; the writing system is Ogham)

11. Two zwitterions react with loss of water, creating one. Glycylglycylglycine (GLIH-sill-GLIH-sill-GLY-seen) contains two, though glycylglycine contains only one. A type of amide bond, it links the carboxyl functional group of one amino acid with the amine functional group of another. For ten points, name this extraordinarily stable bond which holds proteins together.

Answer: peptide bond (prompt on dipeptide bond)

12. The New Model Army was looking for a decisive way to achieve its goals and Charles I was looking to restore his power. On June 14, 1645 at this Northamptonshire town, Charles Fairfax led his armies against King Charles, leading to the Royalist army's utter defeat. Charles I escaped the battlefield, but spent the next year on the run. For ten points, name this concluding battle of the First English Civil War.

Answer: Naseby

13. Under a haunted moon, by a tumultuous chasm under cedar wood, the title character hears prophecy of war from his ancestors. A new edifice should be erected

near the river Alph, he decides, but the building is not completed in the poem, as the poem itself is incomplete. So the sunny pleasure dome would end after Coleridge had "drunk the milk of paradise." For ten points, name this 1816 poem about Xanadu, interrupted by a person from Porlock.

Answer: "Kubla Khan"

14. He was employed for 30 years by the U.S. Coast Survey, and was in charge of its studies of Earth's gravitational field. His only non-posthumous book was *Photometric Researches*. His collected works were posthumously published as *Chance, Love, and Logic* in 1923. He viewed logic as the beginning of all philosophic study, but was also interested in meaning - studying icon and sign in the pursuits of pragmatics. In philosophy, he taught what he termed Pragmatism to James and Dewey. For ten points, name this American thinker.

Answer: C.S. Peirce

15. *The Settlement, The Tete-a-Tete, The Inspection, The Toilette, The Bagnio, and The Lady's Death* appeared between 1742-43. They detail the narrative of the domestic life of Lord and Lady Squander(field) and their affairs with a common 'Miss' and Counsellor Silvertongue. For ten points, name this series by William Hogarth.

Answer: Marriage a la Mode

16. One of his successful apparati involved a steel beam with four small mirrors mounted across the front of a telescope, by which means he was able to increase the telescope's resolving power and measure the radii of several stars. Another successful apparatus consisted of a rapidly spinning polygonal mirror, which he used to accurately measure speed of light. He is best known for a failed apparatus, consisting of a block of granite floating in mercury, fitted with an interferometer, which utterly failed to detect the earth's motion with respect to the ether. FTP, name the first American to win the Nobel Prize in physics.

Answer: Albert Michelson

17. In 1817, he became Secretary of War. In 1845, as Secretary of State under Tyler, he secured the admission of Texas as a slave state. In 1832, after the "Tariff of Abominations," which he felt favored the industrial North at the expense of the agrarian South, he authored the South Carolina Nullification, which led to his resignation as Jackson's Vice-President. For ten points, name this American.

Answer: John C. Calhoun

18. In 1926 in Harlem, Alice Manfred is shocked when she hears about the murder of her friend Dorcas. However, Dorcas had been sleeping with Joe, the husband of her friend Violet. It turns out that Violet has killed Dorcas out of jealousy and fear of abandonment, but it is all told in a melodic, contrapuntal manner that gives this 1992 Toni Morrison novel its name. For ten points, what is it?

Answer: Jazz

19. It begins, "Magnified and sanctified be His great Name!" Written in Aramaic, the name means sanctification, and it is used to close religious ceremonies. Although it

praises the word of God and does not mention death, it is recited at funerals, and the Orthodox repeat it daily for a year after a parent's death. For ten points, name this Jewish prayer that Ginsberg invoked regarding the death of his mother.

Answer: Kaddish

20. Her crown is made of a bull's horns and a sun disk, and she holds the *ankh* in her right hand. It is she who befriends and helps the Golden Ass in Apuleius' story. She has a twin Nephthys and was believed to be the most powerful magician, because she knew the secret name of Ra. She was the mother of Horus and sister/wife of Osiris. For ten points, name this Egyptian goddess of domesticity and magic.

Answer: Isis

21. She had a child out of wedlock and so was not allowed to practice as a physician. She worked at the Orthopedic School in Rome as a psychiatrist with retarded children. Believing in neither punishment nor reward, she opened a center in 1907 where the 'learning games' she devised for these children could be used in teaching all preschoolers based on their interests. For ten points, name this Italian physician and educator, noted for her method.

Answer: Maria Montessori

22. She takes refuge from her work in a religious shop by reading Edward Gibbon's description of Julian the Apostate. She tries to free a stonemason from his weary life with the harriidan Arabella. Alas, she cannot achieve the happiness she seeks with Jude the Obscure. For ten points, name this Hardy heroine.

Answer: Sue Bridehead

23. Alegranza, Graciosa, Lanzarote, Fuerteventura, Hierro, Gomera, La Palma, Grand, and Tenerife form an autonomous province of Spain lying 67 miles off the African coast. For ten points, name this archipelago once owned by Henry the Navigator and named for the huge dogs found there, not the birds.

Answer: Canary Islands (Islas Canarias)

24. This film was roundly panned when released, partially because it moved the action of Daphne du Maurier's story to Bodega Bay, California. This 1963 film was Jessica Tandy's first in some time, but she wanted to work with Hitchcock and acted as a mother figure to the newcomer Tippi Hedren. For ten points, name this film about avian evil.

Answer: The Birds

25. The protagonist of this novel is a 42-year old woman who discovers she has lost her job as a finance analyst immediately after she returns from her first good vacation since her divorce. On Jamaican holiday, this Ms. Payne finds happiness with the 21-year old Winston Shakespeare, and she returns to see him and then invites him to come to America. FTP, identify this novel of rejuvenation by Terry McMillan.

Answer: How Stella Got Her Groove Back

26. In viewing *Bound*, I was surprised to see the closing credits as “Technial Advisor” scrolled by. This technical advisor also appeared in the film as *Dyke in Bar*. She is better known for editing such books as *Herotica* and *Sexwise*. Her most recent books are *Nothing But the Girl* and *Sexual State of the Union*. For ten points, name this ‘sexpert.’

Answer: Susie Bright

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Boni by Iowa

1. The Jarabe Tapatio (hah-RAH-bay tah-pah-TEE-oh) is one of the world's most recognized songs. For ten points each:

a. What kind of musical ensemble usually performs it?

Answer: mariachi

b. "Tapatio" shows that it originated in this Mexican city.

Answer: Guadalajara

c. Guadalajara is the capital of the state that gives the style of music its name. Name either the state or the style.

Answer: Jalisco or son jalicense

2. Not all rivers flow into an 'ocean' directly. Given a river, name the body of water into which it empties, for ten points each.

a. Colorado (the one through the Grand Canyon)

Answer: Gulf of California

b. Indus

Answer: Arabian Sea

c. Oder

Answer: Baltic Sea (accept Stettin Lagoon)

3. Taxonomy? P! Identify these orders of Mammalia starting with P given a representative member for ten points each.

a. elephant

Answer: Proboscidea

b. seal

Answer: Pinnipeda

c. tarsier

Answer: Primates

4. Identify the speaker from lines of 19th century oratory, 30-20-10.

(30) "That man over there says that women need to be helped into carriages, and lifted over ditches, and to have the best place everywhere. Nobody ever helps me into carriages, or over mud-puddles, or gives me any best place!"

(20) "Then that little man in black there, he says women can't have as much rights as men, 'cause Christ wasn't a woman! Where did your Christ come from? Where did your Christ come from? From God and a woman! Man had nothing to do with Him."

(10) "I have borne thirteen children, and seen most all sold off to slavery, and when I cried out with my mother's grief, none but Jesus heard me! And ain't I a woman?"



Answer: Sojourner Truth

5. Identify the authors of these Golden works for the stated number of points.

a. For 5, the story, "The Gold Bug" Answer: Edgar Allan Poe

b. For 10, *The Golden Notebook* Answer: Doris Lessing

c. For 5, *The Golden Bough* Answer: James Frazer

d. For 10, *Cup of Gold* Answer: John Steinbeck

6. Given a work that advocated social change in the 1960's and '70's, identify the author.

a. (5) Sexual Politics Answer: Kate Millet

b. (10) Custer Died For Your Sins Answer: Vine Deloria, Jr.

c. (5) Soul on Ice Answer: Eldridge Cleaver

d. (10) Women, Culture, and Politics Answer: Angela Davis

7. Given a masterpiece of Greek sculpture, name the sculptor.

a. Discobolus Answer: Myron

b. Statue of Zeus at Olympus Answer: Phidias

c. Heracles Resting Answer: Lysippos

8. Identify these specific subatomic particles for ten points each.

a. This particle is introduced to give the W and Z bosons a mass, but there's an extra one than hangs around afterwards and causes trouble for the energy of a vacuum.

Answer: Higgs boson

b. It was finally discovered by Fermilab in 1995. It has a mass of 180 GeV (giga electron volts) and a +2/3 charge.

Answer: top quark

c. This meson is composed of a charm quark/antiquark pair. It is so called because its 1974 discovery came independently and simultaneously at Brookhaven and Stanford; each group assigned a different name.

Answer: J/psi meson

9. What were our foreign ministers doing with their free time overseas? Well, the ministers to Great Britain, France and Spain met in Belgium to hammer out a way to buy a new slave state for the South. Answer the following about this scheme.

a. First, for five points each, name the document drawn up by these three suggesting that the U.S. would take a certain nearby island by force if Spain did not sell it, and the U.S. President these three men were serving at the time.

Answer: Ostend Manifesto, Franklin Pierce

b. For five points, at what island was the Ostend Manifesto directed?

Answer: Cuba

b. Now for five points each, name the three ministers who wrote the Ostend Manifesto.

Answer: James Buchanan, John Young Mason, Pierre Soul  

10. Identify the edifice, 30-20-10

(30) Located in Staningley, England, it is leased from 1827-47 by a single woman and her son Arthur, who tend to remain secluded, according to Eliza Millward and her husband, the Reverend.

(20) This woman has been married to Arthur Huntingdon, but becomes intrigued by Gilbert Markham.

(10) Helen Graham has fled her abusive marriage and hidden here in an 1848 Anne Br  nte novel.

Answer: Wildfell Hall

11. Name these things associated with the Muses for the stated number of points.

a) For five points each, name their parents.

Answer: Mnemosyne and Zeus

b) The Muses gave birth to these alluring monsters, whose feathers they later plucked for their own crowns. Name them for ten.

Answer: Sirens

c) The Muses lived around the spring Hippocrene, the source of their inspiration. Hippocrene is so-named because it was started by what mythological figure, for ten points?

Answer: Pegasus

12. Name the philosophers who penned the following for ten points each.

a. *An Essay Concerning Human Understanding* Answer: John Locke

b. *An Enquiry Concerning Human Understanding* Answer: David Hume

c. *Principles of Human Knowledge* Answer: George Berkeley

13. Name these famous comets for ten points each.

a. This comet crashed into Jupiter's surface in 1994.

Answer: Shoemaker-Levy 9

b. In 1973, this comet was supposed to be beautiful, but was barely visible in most of North America.

Answer: Kohoutek



c. The Hubble Telescope sighted what seems to be a belt around the solar system from whence comets come, as opposed to the Oort cloud. For ten points, name this belt.

Answer: Kuiper belt

14. VISUAL BONUS. (Moderator--hand out sheet.) You will receive a sheet with a portrait on it. Answer the following questions about the picture for ten points each.

a. Whose *Self-Portrait* is it?

Answer: Albrecht Dürer

b. Identify Dürer's famous woodcut depicting a depressed angelic draftsman and a magic square.

Answer: Melancolia I (prompt on Melancolia)

c. Dürer presented this set of two panels to the city of Nuremburg in 1526.

Answer: The Four Apostles

15. Identify the Supreme Court Cases from a description for ten points each.

a. This 1962 case said that 'one person' should equal 'one vote' in this case dealing with apportionment.

Answer: Baker v. Carr

b. This 1803 case said that a writ of mandamus was unconstitutional.

Answer: Marbury v. Madison

c. This 1976 case said that the death penalty could once again be administered.

Answer: Georgia v. Gregg

16. Given lines of poetry, identify the metrical foot, for 10 each.

a. "That time of year thou mayst in me behold,  
When yellow leaves, or none, or few do hang,"

Answer: iambic

b. "The Assyrian came down like the wolf on the fold,"

Answer: anapestic

c. "Cannon to right of them,  
Cannon to left of them,  
Cannon in front of them  
Volleyed and thundered;"

Answer: dactylic

17. Not all major opera characters are sopranos! Given a character from an opera, identify the range.

a. *Peter Grimes*

Answer: tenor

b. *The Medium*

Answer: contralto

c. *Boris Godunov*

Answer: bass

18. 30-20-10, name the US state from geographical clues

(30) It is home to the national monuments Chaco Canyon and Bandelier.

(20) It also is home to the largest Indian Reservation in the country - a Diné one, and to a town known for having changed its name because of a game show.

(10) It is also home to Carlsbad Caverns National park and Roswell.

Answer: New Mexico (MOD: the town is Truth or Consequences)

19. Identify these types of light scattering named for their observers for ten points each.

a. This answers the question "Why is the sky blue?" In a transparent gas, light can scatter without much of a change in energy. Most scattering is a result of elastic collisions which is when the radiation collides with the molecule and elastically bounces off of the molecule with no change in energy.

Answer: Rayleigh scattering

b. Analyzed in detail by Sir David Brewster, this visible property of certain barks, paraffins and quinine is caused by absorption of incident light via resonance, followed by re-emission at an altered frequency. The resonance is characteristic of the molecule affected.

Answer: fluorescence

c. A photon fired at a stationary particle, such as an electron, will impart momentum to the electron and, since its energy has been decreased, will experience a corresponding decrease in frequency.

Answer: Compton effect

20. Given some events, identify the Indian Emperor who ruled during them for ten points each.

a. Conquest of the Magadha kingdom, repulsion of Seleucus I, founding of the Maurya Dynasty.

Answer: Chandragupta

b. The Taj Mahal is built at Agra.

Answer: Shah Jahan

c. Near unification of India, c. 257 BC turn to Buddhism, adoption of dharmacakra as national symbol.

Answer: Asoka

21. Identify the authors of these 19th century poem cycles for ten points each.

a. *Poemes Saturnines*

Answer: Paul Verlaine

b. *Versos Sencillos*

Answer: Jose Martí

c. *Maud Muller*

Answer: John Greenleaf Whittier

22. Given a masterpiece of Mannerist painting, name the Italian artist for ten points each.

a. *Self-Portrait in a Convex Mirror* (c. 1523)

Answer: Parmigianino

b. *The Exposure of Luxury*

Answer: Bronzino Bronzino

c. *Io and Antiope*

Answer: Corregio

23. Answer these questions about the Biblical Jacob.

a. (5) Name either of his wives.

Answer: Rachel or Leah

b. (10) Name his mother.

Answer: Rebekah

c. (15) Name the river, next to which he wrestled the angel to earn the name Israel.

Answer: Jabbok

24. Identify the directors of these Italian Neo-Realist films for ten points each.

a. *Ladri di Bicicleta*

Answer: Vittorio de Sica

b. *La Terra Trema*

Answer: Luchino Visconti

c. *Rome: Open City*

Answer: Roberto Rossellini

25. Identify these battles from the War of Spanish Succession, 5-10-15.

a. (5) This Aug. 13, 1704 battle saw the French driven out of Bavaria at the hands of the Duke of Marlborough and Prince Eugene of Savoy.

Answer: Blenheim

b. (10) This Sept. 11, 1709 battle again saw Marlborough and Eugene defeat the French, leading to the ultimate demise of French power at the time.

Answer: Malplaquet

c. (15) This July 11, 1708 battle saw the British cement their military might on the European continent with the help of Dutch Orangemen.

Answer: Oudenaarde

26. Given a good-old fashioned American rebellion, give the year for ten points each.

a. Nat Turner's                      Answer: 1831

b. Dorr's                              Answer: 1842

c. Chief Joseph's                  Answer: 1877