

Technophobia VIII

Round Nine

Caltech VIII
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1 Berkeley C Tossups, Round Nine

NOTE TO MODERATOR: Make sure Berkeley C is not in the room when you read this packet.

1. Leaders of this entity were instrumental in setting up the Women's Trade Union League and under the guidance of Florence Kelley it did sociological research regarding factories and the urban poor. Modeled on London's Toynbee Hall, it began as a kindergarten but soon added an art gallery, a library, and a gymnasium. Eventually occupying thirteen buildings centered around an old mansion located at 800 South Halstad Street, it ceased operation in 1963 when it was sold to the expanding University of Illinois - Chicago campus. For ten points, identify this social settlement begun by Jane Addams.

Answer: Hull House

2. He fell in love with Peggy, a middle aged agoraphobic but lost her when she was hit by a bus. Earlier he went through a custody battle with Mr. Pewterschmidt concerning his relationship with Sea Breeze. He briefly lived with his cousin Jasper in Hollywood where he won a Woody for best directing in an Adult Movie and became a cocaine addict after working in the drug unit of a local police department. Outside Austin, Texas, he discovered that his mother, who had earlier abandoned him, had been stuffed by her owners. For ten points, identify this canine voiced by Seth MacFarlane, the Griffen family pooch on *The Family Guy*.

Answer: Brian Griffen

3. It is a polymer made from Galactose, a constituent of the cell walls of the algae from which it is obtained. It is rich in iodine and other trace minerals, and has mildly laxative properties, due to its high fiber content. In cooking, it is used as a thickener, an emulsifier, and a gelling agent; the best variety is known as Kanten, a combination of Gelidium and Euchema algae. However, it may be best known for its use in the laboratory. For ten points, identify this substance which Biologists use as a culture medium.

Answer: Agar

4. He sprung out of his mother fully armed in order to protect her from his brothers and sisters who were threatening to kill her for having a mysterious pregnancy that resulted in this deity when a ball of feathers fell from the sky and touched her. In the ensuing battle, he beheaded the ringleader, his sister Coyolxauhqui [kO hOI SHahW kE], and flung it into the sky to become the moon. Wielding the serpent xiuhcoatl [she wa te KWA tle] as his weapon, he encouraged the Aztecs to be merciless in war and demanded sacrifices in the form of war prisoners. For ten points, who was this Aztec deity represented as a hummingbird, the Aztec god of war.

Answer: Huitzilopochtli [wet sEl O POK tI'E]

5. With no natural lakes, a few artificial ones exist along dammed portions of rivers like Mahaweli Ganga, with its origins near the Horton Plains by the central highlands. Its second longest river, Aravi Aru, flows northwest to the Gulf of Mannar on the west coast. The northern peninsula of Jaffna, is separated from the mainland by the Palk strait. A Democratic Socialist Republic consisting of mainly Sinhalese and Tamils, For ten points, what is this island nation with its largest city being Colombo.

Answer: Sri Lanka (prompt on Ceylon)

6. Ironically, Frederick Leighton, who denounced this movement's views, painted one its best known works, *Flaming June*. Its members were heavily influenced by the Nazarenes and their subject matter was often taken from Shakespeare, Keats, and Medieval legends. Members, including William Holman Hunt and John Everett Millais, were supported by Ruskin in their opposition to the Royal Academy's manipulation of forms, instead using realistic landscapes and human models. For ten points, name this Victorian art movement led by Dante Rossetti which wished to depart from the work of a Renaissance painter.

Answer: Pre-Raphaelites or The Pre-Raphaelite Brotherhood

7. The recessive gene for the dwarf-tall trait studied by Mendel was found to encode an enzyme defective in synthesizing this compound. It was first isolated from a parasitic fungus by Japanese scientists in the 1930's. Grapevines owe their climbing abilities to this hormone, which causes meristems to develop into tendrils instead of flowers. For ten points, name this naturally occurring hormone which stimulates cell division and elongation in plants.

Answer: gibberellins or gibberellic acid

8. A common test used to diagnose this disease is to measure the number of IgM antibodies found in cerebrospinal fluid which can confirm infection in people who have shown symptoms for at least 8 days. Caused by flaviviruses carried by *Culex* mosquitoes, severe forms of this disease include its namesake encephalitis, meningitis, or a combination of two of the following symptoms: fever, headache, or swollen lymph glands. Causing a great deal of panic when a case was discovered in the U.S. in 1999, For ten points, what is this disease named after an Egyptian river.

Answer: West Nile virus

9. It was originally invented by Rob McCool at the University of Illinois' National Center for Supercomputing Applications. After he left NCSA, a core of eight developers picked up the project and, from existing code and several patch files, released version 1.0 in 1995. It supports SSI, xSSI, and CGI, in addition to serving plain old HTTP. For ten points, name this primarily UNIX web server software, now serving 63% of websites in existence, which shares its name with a Native American nation of the southwest.

Answer: Apache (accept "_NCSA httpd_" before "eight developers")

10. Allegedly this project was inspired by Ken Kesey's idea to drive around America in a bus painted with psychedelic colors and filled with people from the counter-culture. Work was interrupted by the death of their manager, Brian Epstein, and the resulting film was originally only released in the UK, though the album was released worldwide. Originally shown on the BBC on December 26, 1967, it spurred headlines such as "Beatles Bomb" because of how terrible it was. For ten points, name this ill-fated experiment, the 4th Beatles film, which promised to "take you away."

Answer: Magical Mystery Tour

11. Born in the United States, this artist spent some of his childhood years in Russia. After working in the U.S. Geodetic and Coast Survey office, he arrived in Paris, enrolled in the studio of Charles-Gabriel Gleyre, and became a member of the "Paris Gang," a group of young English artists. The critic John Ruskin accused him of "flinging a pot of paint in the public's face." For ten points, name this painter of Nocturne in Black and Gold: The Falling Rocket and Arrangement in Grey and Black No 1: The Artist's Mother.

Answer: James Abbott McNeill Whistler

12. One of the two substances in this mixture is a strong oxidizer and thus puts the metal into ionic form. The other substance provides chloride ions, which react with those metal ions allowing for the formation of a stable chloraurate complex ion which keeps the concentration of the metal ion down so more such ions are produced. The mixture itself is a fuming yellow liquid which was famously used when Hungarian chemist George de Hevesy of the Niels Bohr Institute dissolved two Nobel Prizes before WWII and then precipitated the metal out of the solution when peace broke out. For ten points, name this 3:1 mixture of hydrochloric and nitric acids, which is able to dissolve gold and is named from the Latin for "royal water".

Answer: aqua regia

13. It begins with a conversation between Old Cotter and uncle Jack who agree that boys need to play with children their own age. This is in response to the narrator's spending too much time with an ailing mentor who has just died of a stroke. Later the reader learns from an exchange between the narrator's aunt and Nannie and Eliza, the title characters, that the deceased, Father James Flynn, had slowly been going insane after breaking a chalice. For ten points, identify this story, often said to symbolize the release of the young narrator from the control of the Catholic Church, the first story in Joyce's *Dubliners*.

Answer: The Sisters

14. After he leaves the theater company of Mr. Crummles, he is offered a job at the counting house of the Cheeryble Brothers, where he first encounters Miss Madeliene Bray. His uncle sends his friend Mulberry Hawk to make advances toward Kate which forces the protagonist to defend her publicly. The brutal Wackford Squeers runs the boys school where he first meets the half-witted Smike. Culminating with the revelation that Smike is the son of the cruel Uncle Ralph and his subsequent suicide, For ten points, what is this Dickens novel with an alliterative title character?

Answer: Nicholas Nickleby

Prompt on partial answer

15. Samuel writes that his best friend was Prince Jonathan, whom he met while playing the harp. He refused a king's matchmaking offer and escaped the palace with Jonathan's help when the King showed signs of wanting to kill him. While he overcame temptation to kill King Saul in the caves, he eventually gave in to his desire for Uriah's wife. For ten points, name this Old Testament king who was the husband of Bathsheba, father of King Solomon, and slayer of Goliath.

Answer: David

16. They developed in England around the Corpus Christi festival and there are four extant cycles: the York, Chester, Coventry and Towneley, the latter of which contains *Noah*, *Herod*, and *The Second Shephard's Play* written by the best writer of this genre, the Wakefield Master. The Passion play was a sub-category concerning Christ's life and, while in England they are synonymous with Miracle Plays, in France that term denotes plays just about the saints and Virgins. For ten points, identify this type of Medieval play which usually chronicles biblical events from the Fall of Satan to the Resurrection of Christ.

Answer: Mystery Play or Mysteries (accept Miracle Plays until it is mentioned)

17. It was a confederation of three allied states, Mema, Wagadou, and its namesake, and twelve garrisoned provinces. Its demise was signaled by the encroachment of the Tauregs in the north and the Mossi states in the south. Its founding is traced to the defeat of the Sasso Kingdom of Samunguru by the Medinka people led by Keita Sundiatta who converted the kingdom to Islam. Its prosperity was based on the trade of salt and gold and it had centers at Djenne and Timbuktu. For ten points, identify this West African empire, succeeding Ghana and preceding the Songhai which reached its height in the 14th century under Mansa Musa.

Answer: Mali

18. This composer incorporated Hanon's practice pieces in the last movement of his second piano concerto in order to encourage his son to practice the piece. A theme from Rossini's *William Tell Overture* is

also heard in the first movement of his last symphony. Known for satiric operas like *The Gamblers*, he is better known for his *Lady Macbeth of the Mtsensk* which received a great deal of disapproval from *Pravda* but established him as a brilliant dramatic composer. For ten points, name this Soviet composer of the *Babi Yar* and *Leningrad* Symphonies.

Answer: Dmitri Shostakovich

19. Machiavelli called him “a very fierce lion and a most wily fox” and used him as an example of how new princes should act. Historians say that by increasing the pay and decreasing the discipline of his troops he was a major factor in the decline of the Roman Empire. However, he was the first emperor since Trajan to expand the state, adding two provinces beyond the Euphrates after defeating the Parthians and sacking Ctesiphon in 197 C.E.. He came to power after the assassination of Pertinax and the assumption of Didius Julianus but spent his early years crushing rivals Pescennius Niger and Clodius Albinus. For ten points, identify this Roman emperor who founded the dynasty which included Elagabalus and Caracalla.

Answer: Septimius Severus

20. It has 25 dams on it including the John Martin Dam and Reservoir and its waters formed Royal Gorge canyon. Its upper reaches were explored by Zebulon Pike and, from 1820-1846, it formed much of the border between Mexico and the United States. Its chief tributaries are the Cimarron and Canadian Rivers and it flows through Pine Bluff, Fort Smith, Pueblo, Wichita, Little Rock, and Tulsa. At 1,450 miles long it is the fourth longest river in the United States. For ten points, identify this river which runs from the Rockies until it meets the Mississippi in its namesake state.

Answer: Arkansas River

2 Berkeley C Bonuses, Round Nine

1. Name these U2 albums from songs, 10 points each.
 - (a) “Gloria”, “I will follow”, “Sunday Bloody Sunday”
Answer: Under a Blood red sky
 - (b) “Zoo station”, “One”, “Mysterious ways”
Answer: Achtung Baby
 - (c) “Elevation”, “Kite”, “Peace on Earth”
Answer: All that you can’t leave behind

2. Identify the characters from Bram Stoker’s Dracula for ten points each..
 - (a) This attorney begins the novel with his diary account of his experiences in Dracula. Later he joins the fight to stop Dracula especially when his wife, Mina, is taken under the Count’s spell.
Answer: Jonathan Harker
 - (b) This Dutchman is brought in by his former student Dr. Seward to help cure Lucy Westenra. He is the first to suspect a vampire is responsible and later kills Dracula’s wives when the group tracks Dracula to Transylvania.
Answer: Doctor Abraham Van Helsing
 - (c) A patient in Dr. Seward’s asylum, this character is zoophagous and comes under Dracula’s influence. He lets Dracula in to the asylum allowing him to get at Mina but Dracula then kills him.
Answer: Renfield

3. It’s time to play ”expand the quiz bowl canon” with a few meteorology questions. (I promise it won’t hurt much.)
 - (a) When rain falls from aloft into very dry air, water evaporates, making the drops fall slower and then appear to suspend in the sky. What is this phenomenon called?
Answer: Virga
 - (b) The amount of moisture in the air- the humidity, if you will- is measured by what instrument?
Answer: Hygrometer
do NOT accept “hydrometer,” but prompt on any form of psychrometer
 - (c) A whole lot of moisture contributed to a hurricane which nearly wiped this Texas city off the map in 1900, killing more than 6,000 people.
Answer: Galveston

4. The greatest atrocities in human history have occurred at these sites. Name these concentration camps FTPE.
 - (a) This camp, located in Glacia was responsible for the deaths of over 3 million.
Answer: Auschwitz-Birkenau
 - (b) Located about 20 minutes from Munich, this first concentration camp was initially built to keep political prisoners, it quickly grew to include Jews, Gypsies, and other ethnic groups. It also served as a “murder school” for the SS.
Answer: Dachau

- (c) Although this site never reached the status of a concentration camp according to the Nazis, prisoners shipped to this site were generally too weak to work and slowly died of starvation and disease. Its most famous victim was Anne Frank.

Answer: Bergen-Belsen

5. Identify these authors from around the world.

- (a) This native of Sri-Lanka who is now a lit professor in Toronto began his career as a poet but is best known for his 1992 Booker-Prize winning novel *The English Patient*.

Answer: Michael Ondaatje

- (b) This South African and winner of the 1991 Nobel is the author of novels such as *A Guest of Honor*, *The Conservatist* and *July's People*.

Answer: Nadine Gordimer

- (c) A native of India this author of the novels *Mistress of Spices* and *Sister of My Heart* now lives in the U.S. She may be best known for her short-story collection *Arranged Marriage*.

Answer: Chitra Banerjee Divakaruni

6. Answer a few questions about binary phase diagrams for for ten points each.

- (a) A binary phase diagram shows percent composition versus this, which is a measure of the average kinetic energy of the particles in a sample of matter.

Answer: Temperature

- (b) This is the lowest possible temperature of solidification for any mixture of specified constituents.

Answer: Eutectic point

- (c) This principle is used to determine the exact composition of a substance at a given temperature.

Answer: Lever rule

7. Identify the fin de siele artists from clues for ten points each..

- (a) This art editor for *The Yellow Book* and member of the English Aesthetes is best known for his pen and ink drawings which illustrated Oscar Wilde's *Salome*.

Answer: Aubrey Beardsley

- (b) The decadence and opulence of the fin de siele period is well illustrated by the paintings this member of the Vienna Succession including *Love*, *The Beethoven Frieze*, and most famously, *The Kiss*.

Answer: Gustav Klimt

- (c) A painting of his, *Snake Charmer at Tangiers*, hangs in the Metropolitan Museum but he is best known as an interior decorator of the art nouveau style. His studio produced furniture, mosaics, and most famously, stained glass lamps.

Answer: Louis Comfort Tiffany

8. Identify works of literature which focus on baseball for ten points each..

- (a) John Baal and Roland Agni are among the players for the woeful Rupert Mundy's the only homeless team in baseball and the subject of this pretentiously titled Philip Roth work.

Answer: The Great American Novel

- (b) Aging pitcher Billy Chapel reminisces about his past while tossing a perfect game in this novella by Michael Shaara which was made into a Kevin Costner movie.

Answer: For Love of the Game

- (c) Gideon Clarke's attempt to prove that, in 1908, the Chicago Cubs played a 2,000 inning game with the titular organization is the subject of this W.P. Kinsella novel.

Answer: The Iowa Baseball Confederacy

9. Don't we all wish we possessed heavenly bodies? Well, excuse the horrible pun and name some of them for ten points each.

- (a) It was discovered by Johanna Palisa on November 12, 1885 and has an extremely long rotation period of 415 hours and is the largest asteroid to be visited by a spacecraft. It was visited by NEAR on the way to Eros.

Answer: Mathilde

- (b) The closest galaxy to the Milky Way at 55 parsecs, it is only visible in the Southern hemisphere and was once thought to be an irregular galaxy although studies have shown that it has some traces of a spiral structure.

Answer: Large Magellanic Cloud

- (c) The farthest comet to have ever been discovered by amateur astronomers when it flew by Jupiter in 1995, it's been one of the brightest comets since Comet West to be seen for quite some time.

Answer: Hale-Bopp

10. Answer these questions regarding, Lake Kariba FTPE.

- (a) FTPE, name the two countries that the lake sits on the border of.

Answer: Zambia and Zimbabwe

- (b) The hydroelectric dam on what major African river created Lake Kariba?

Answer: Zambezi River

- (c) Roughly 90+ miles upstream of Lake Kariba is this formation discovered by David Livingstone that has a plunge of 360 ft.

Answer: Victoria Falls

11. Name these Russian rivers from clues for ten points each.

- (a) The longest river in Europe, it gives its name to a city that, when known as Stalingrad, was the site of the pivotal battle between the Third Reich and the USSR.

Answer: the Volga

- (b) Flowing through the Siberian metropolis of Khabarovsk, this river defines Russia's border with China.

Answer: Amur

- (c) This river's delta is among the largest in the world. The principal river of eastern Siberia, it flows north from the Baikal Mountains to the Arctic Ocean via the Laptev Sea.

Answer: Lena

12. Identify these Supreme Court cases dealing with free speech for ten points each.

- (a) In this case where the Supreme Court upheld the conviction of the general secretary of the American Socialist Party, Justice Oliver Wendell Holmes stated that free speech is not protected if it fails the "clear and present danger" test.

Answer: Schenk v. United States

- (b) This case saw the defendant's conviction upheld for advocating a violent overthrow of the United States which was not protected under free speech.

Answer: Gitlow v. People of New York

- (c) This case saw the application of the first amendment to the states in addition to the federal government. It concerned a law that was aimed at the Saturday Press that prevented the printing of anything considered "malicious, scandalous, or defamatory." Any libelous or defamatory statements would have to be proven in court first.

Answer: Near v. Minnesota

13. Identify the anthropology terms relating to marriage and families for ten points each..

- (a) This is the term for when a woman or man marries into an exclusive union, gets a divorce, and then remarries into another exclusive union. Often the cycle repeats itself several times.

Answer: Serial Monogamy

- (b) This term refers to individuals who are related by conjugal bonds, for example marriage. A mother-in-law would be an example.

Answer: Affinal kin

- (c) This is a marriage custom in which a man marries and takes in the children of the wife of his dead brother.

Answer: Levirate

14. Name the animals that Gods and heroes rode into battle on from clues for ten points each..

- (a) Odin rode this eight-legged steed. He was the offspring of Loki and Svadilfari.

Answer: Sleipnir

- (b) This offspring of Zephyr and the harpy Podarge prophesizes his master, Achilles, death when Achilles upbraids him for not bringing back Patroclus's body.

Answer: Xanthos or Xanthus (his brother his Balios which is not a correct answer)

- (c) Indra rides this elephant king who emerged from the water when the Gods churned the ocean.

Answer: Airavata or Ardh-Matanga or Arkasodare or Naja Malla

15. In recent months, many legal online music services have been launched. Name these services, none of which is Apple's iTunes, for 10 points each.

- (a) This most famous of the original song swapping programs was bought out by Bertelsmann. Its name has been purchased by Roxio for its new music service.

Answer: Napster

- (b) This company, better known for its PC jukebox software, recently teamed with Dell to offer a Dell-branded music service.

Answer: Musicmatch

- (c) Recently acquired by Real, this service uses a music term in its name, perhaps in homage to Gershwin.

Answer: Rhapsody

16. Identify these figures of Babylonian mythology based on a description FTPE.

- (a) The sky god and overlord of the gods, he sent the Bull of Heaven after Gilgamesh. He also controls the fates and anything he says becomes law, making him the god of monarchs as well.

Answer: Anu

- (b) Anu's second consort, this deity is the goddess of love, sex, and war. She walked through the seven gates of the underworld, losing an article of clothing through each gate and only managed to get back out by Namtar's aid.

Answer: Ishtar

- (c) Considered the primeval chaos, this goddess waged a war against the younger gods and lost when she was challenged to single combat by Marduk. As she died, half of her body was used to hold up the skies while her eyes became the sources of the Tigris and Euphrates rivers.

Answer: Tiamat

17. Answer the following related questions for ten points each..

- (a) What actress, who also starred in *The Most Dangerous Game*, *The Countess of Monte Cristo*, and *Doctor X*, played Ann Darrow the female lead in the original *King Kong*?

Answer: Fay Wray

- (b) This actress appeared in *Blackboard Jungle*, *Bad Day at Black Rock*, and *Funny Girl* but is probably best remembered for her performance opposite Leslie Nielson in *Forbidden Planet*.

Answer: Anne Francis

- (c) Doctor X, King Kong, Fay Wray, Forbidden Planet and Anne Francis along with Flash Gordon, Jannette Scott, and Claude Rains are mentioned in the song "Science/Fiction Double Feature" which opens what 1975 cult classic?

Answer: The Rocky Horror Picture Show

18. Name these monarchs related to the War of the Spanish Succession

- (a) His bid for European hegemony resulted in the war, and though the Peace of Utrecht gave him what he had wanted, the war left his country exhausted.

Answer: Louis XIV

- (b) This king of England concluded the Grand Alliance of The Hague, uniting his country with the Dutch and the Austrian Hapsburgs.

Answer: William III or William of Orange

- (c) This monarch, Louis' grandson, was placed on the throne of Spain.

Answer: Phillip V

19. Identify the following concerning the library of Alexandria from clues for ten points each..

- (a) This First Director of the Library establish a sound text of Homer's work and compiled a glossary of rare words. He also organized the library by putting it in alphabetical order, becoming the first to do so.

Answer: Zenodotus

- (b) The Director of the Library from 245-240 he is best known for coming up with a surprisingly accurate figure of the Earth's circumference applying geometry to the rays of the sun.

Answer: Eratosthenes

- (c) This city of North-West Asia Minor, the capital and namesake of an empire ruled by the Attalid dynasty, had a library founded by Eumenes II which rivaled the one at Alexandria.

Answer: Pergamum

20. Identify these important figures from Mexican history, FTPE.

- (a) He was a leading figure in the Mexican Revolution of 1910 against the dictatorship of Porfirio Diaz, and is considered to be one of the national heroes of Mexico. Members of a revolutionary movement in the Chiapas, take their name from him.

Answer: Emiliano Zapata

- (b) A liberal priest, this Mexican leader in the revolution against Spain was the independence war commander and organizer of the wartime Constitutional Convention.

Answer: Jose Maria Morelos y Pavan

- (c) This revolutionary leader and self-proclaimed emperor of Mexico was commissioned to lead royalist troops against Vicente Guerrero. He is regarded by conservatives as the champion of Mexican independence.

Answer: Agustin de Iturbide