

TOSSUPS – ROUND 10

LIVE AID 2000 – UTC/UMR/USC

1. In 1993, UK Science Minister William Waldegrave offered a bottle of champagne to anyone who could explain on a single sheet of paper what these were, and why we would want to find them. The currently accepted theory of elementary particles, known as the standard model, cannot explain why particles have mass. To overcome this problem, two physicists, one at the University of Edinburgh and one at Imperial College in London, proposed in 1964 a particle that is responsible for giving other elementary particles their masses. For ten points, name this particle that has never been detected experimentally.

Answer: Higgs Boson

2. Its recorded history begins in the 1st century when Chinese ambassador Gang Ying embarked upon it traveling to the far western lands, reaching perhaps as far as Mesopotamia before turning back. Once fully established, it stretched all the way from Antioch and Palmyra in the West all the way to Luoyang in China. Its commerce included religion, philosophy, and FTP, an exotic fabric for which this major thoroughfare of early civilization is named.

Ans: The Silk Road

3. Born Robert Cummings on January 12, 1966, he was worked as a porn magazine art director and a production assistant for *Pee Wee's Playhouse* in the 1980's. He animated the hallucinatory sequence in the film *Beavis and Butt-head Do America* and was supposed to direct the third film in *The Crow* franchise until it was canceled. For ten points, give the name of the man who is best known for his solo career as well as his former position as frontman for the heavy metal group White Zombie.

Answer: Rob Zombie

4. The first person narrator never tells us his name, but he lets us follow him through the streets of the capital as he grows more and more trapped in poverty, pawning a blanket, the buttons from his coat, and eventually the coat itself for just enough money to eat. He wishes to be a writer and composes articles like "Crimes of the Future" but is unable to get paid more than a few kroner for his efforts. For ten points, name this Knut Hamsun work in which the protagonist escapes starvation in the city of Christiania by gaining employment on a ship bound for England.

Answer: Hunger

5. . Official duties of this individual include presiding over the Lambeth Conference. The current one is George Carey. The first was the other, lesser-known saint also named Augustine. The most famous one was the subject of T. S. Eliot's *Murder in the Cathedral*. FTP name this post held by Thomas Cranmer and Thomas à Becket.

Answer: Archbishop of Canterbury

6. While it is unclear what the origin of the term is, the most famous person to receive it was an Ohio Congressman convicted of sympathizing with the South. Some people branded with this name wished to halt the war because they believed that the conquest of the South was either illegal or impossible. For ten points, what is this term that was given to the members of the Northern Democratic Party who opposed the Lincoln administration and pushed for compromise with the South, a term also applied to a venomous snake?

Answer: Copperheads

7. Number 1 is the location of the Solar and Heliospheric Observation satellite. Number 2 is the proposed location of the Next Generation Space Telescope. 3, on the other side of the sun, was the location of the titular "Planet X" in the movie *The Man From Planet X*, but 4 and 5 are occupied by nothing but dust. FTP - name

these points near two orbiting masses where a third, smaller mass can orbit at a fixed distance from the larger masses, named for the Italian-French mathematician who discovered them.

_Lagrange points

8. On September 14, an 82-year-old New Jersey man became the first person in the United States to die this year of this disease. Last year, seven people died and 55 became infected in the New York metropolitan area in the virus's first known appearance in the Western Hemisphere. For ten points, name this disease, a type of encephalitis, that is becoming less and less likely to kill again this year as the coming cold will remove mosquitoes needed to transmit it.

West Nile virus

9. He first studied the cello and began to compose around 1926. Armenian and Oriental folk idioms are used in his popular pieces, such as his violin and piano concertos, his orchestral suite "Masquerade" and his ballet "Gayane" (guy-ANN). For 10 points, name this Russian composer, whose "Gayane" contains his well-known "saber dance."

Answer: Aram Ilich **Khachaturian** (kah-chuh-TUR-ee-an)

10. The second book of this work gives an account of funeral games for Anchises in the Aeneid and tells the story of the lead character's coronation as king. It is celebrated with games and contests but everyone falls asleep reading poetry. In the original version which was divided into only three books, the leading role was given to Lewis Theobald. Years later, the author changed the work adding a fourth book and giving the lead role to the poet laureate at the time Colley Cibber. For 10 points name this work which was written to attack the critics of its author Alexander Pope.

Answer: The **Dunciad**

11. One example of them might be the 1919 Papuan Vailala Madness; another, the 1942 movement in Irian Jaya in which whole villages were turned into mock armies, hoping that their dummy equipment would become real. FTP – name these groups scattered throughout Oceania that take their name from the fact that they build airfields and docks to receive foreign goods, such as the John Frum group in Vanuatu.

cargo cults

12. Despite his position as head of Germany's chemical warfare service during WWI, this man got the Nobel Prize anyway. As Germany's stocks of nitrates for explosives ran low, this man came to the rescue of the fatherland. With a mixture of iron and aluminum as a catalyst he combined nitrogen and hydrogen gases at a high pressure and temperature to boost Germany's dwindling ammonia supply. FTP, name this German patriot, the winner of the 1918 Nobel prize for chemistry.

Answer: Fritz **Haber**

13. In 1849, the founder of this company used pigeons to fly stock prices between Aachen and Brussels, a service that operated for a year until the gap in the telegraph link was closed. The agency eventually expanded its service to the British press as well as to other European countries and also expanded the content to include general and economic news from all around the world. In 1939 the company moved to Fleet Street and this British press agency has continued to grow ever since. FTP, name this news service founded by a German-born immigrant.

Answer: *Reuters*

14. This property can be studied with an Rowland ring, and one may observe small, almost discontinuous changes in it known as the Barkhausen effect. The effect arises from domain wall pinning due to dislocations and defects. A lack of retraceability in its curve for ferromagnetic materials is known as hysteresis. Its units are ampere per meter. For ten points, name this property that is the measured magnetic moment divided by the volume.

magnetization

15. He was one of the "Seven Blocks of Granite" when he played football for Fordham from 1934-36. He coached his alma mater in 1947 and 1948, then coached West Point until 1953. In 1954, he became the offensive coach for the New York Giants before leaving in 1959 for a head coaching job elsewhere in the NFL. He retired from that team in 1968, and became the coach of the Washington Redskins from 1969 until his death the next year. FTP, name this man who coached the Green Bay Packers to five NFL titles in nine years, including the first two Super Bowls.

Answer: Vince Lombardi

16. The title character of this novel reaches fairyland by jumping up and gouging out a giant's eye. A few years earlier at age six he killed Stilson, a classmate of his, for calling him third. At age ten he killed Bonzo - the largest boy in the Battle school while in the shower. But it was exactly for his ferociousness along with his genius that he was chosen for his most important task - defending the human race against the buggers - an alien race who had already attacked earth and almost destroyed it twice. For ten points name this novel, the first in a series about Andrew Wiggin written by Orson Scott Card.

Answer: **Ender's Game**

17. Decorative borders along the top and bottom show figures of animals, scenes from Aesop's fables and, occasionally, images related to the main pictorial narrative. "Discovered" by Montfaucon (mont-fow-CONE) in a cathedral in 1730, it may have been assigned to a king's wife, Matilda, and commissioned by that same king's half-brother, Odo. For 10 points, name this cloth, depicting King William the First's conquest of England.

Answer: the **Bayeux (BAY-you) Tapestry**

18. During World War I she established American hostels and started an employment agency and day nursery for refugees. War experiences led to her 1918 novel *The Marne* and 1923's *A Son at the Front*, but after a trip to Africa she returned to what she wrote best, tales of social snobbery in high society. FTP, name this author whose career took off with *The House of Mirth* but who won a Pulitzer Prize for 1920's *The Age of Innocence*.

Answer: Edith Wharton

19. Now enclosing 300 square miles in 12 administrative wards, it was originally built on a series of bluffs, the tallest being Batyyeva Hill. Just south of where the Desna meets the Dnieper, it straddles the banks of the latter 591 miles upstream of the Black Sea. FTP name this city, the capital of Ukraine.

Kiev

20. Black, Wallace, Peters, Howard, Dallas, Cranch, and Wheaton all officially reported the decisions of this tribunal during the first 80 years of its existence. Cases can be brought to the Court by appeal, certificate of division, writ of error, writ of certiorari, or, rarely, on its original jurisdiction. For ten points, name this court, which has the final word on the interpretation of all laws in the United States.

Answer: The **Supreme Court** of the United States

21. One joins the Mackenzie about 100 miles from the Arctic Ocean; one flows through Hanoi on its way to the Gulf of Tonkin; a third forms part of the border between Texas and Oklahoma, and a fourth forms the border between Minnesota and North Dakota. For ten points, what chromatic appellation do all four of these rivers share?

Answer: **Red**

22. This four-letter word names world leaders in the fields of sport and cooking, as well as a city of nearly 2 million people. While both men are linked with Italy, the city is located in Asia. For ten points, what is this

word that names a member of the NBA's All-Defensive Team, a city just west of Osaka, and the Iron Chef Italian?

Answer: **Kobe**

BONI – ROUND 10

LIVE AID 2000 – UTC/UMR/USC

1. Talk about Hollywood spin. In the film version, Cora, played by Madeline Stowe, lives happily ever after with her beloved, while in the book, she is gutted in the final moments. Answer the following questions FTPE:

1. Name this classic American work, disdained by some critics for its inappropriately verbose style.

Answer: **The Last of the Mohicans**

2. The book says this vengeful Huron is killed by Hawkeye but the film awards his scalp to Chingachkook

Answer: **Magwa**

3. Name the Mohican who, at least in the book, is madly in love with Cora.

Answer: **Uncas**

2. Suppose, for a moment, that there really are people who follow the Emmy's. Now, for 10 points, name the current show which won a record five straight Best Comedy Series Emmys.

Answer: **Frasier**

Now, for 5 points each, name the four shows whose record of four straight Best Series Emmys (Comedy or Drama) that Frasier broke.

Answer: **The Dick Van Dyke Show, All in the Family, LA Law, Cheers**

3. Answer these questions about the discovery of chemical elements 5-10-15. For 5, who discovered the element hydrogen in 1766?

Answer: **Sir Henry Cavendish**

For 10, Although the Greeks used a sulfide of this element, it wasn't isolated until 1250 by Albertus Magnus.

Answer: **Arsenic**

For 15, Over 400 years later, German alchemist Hennig Brandt discovered this element.

Answer: **Phosphorus**

4. Identify these artists of political and social commentaries FTP each...

1. This English painter and engraver's works include Gin Lane and Marriage a la Mode

William Hogarth

2. As a satirical cartoonist, he was imprisoned by Louis Phillipe for a caricature he made of him. His works include The Third Class Carriage

Honore Daumier

3. This cartoonist created the donkey and elephant symbols and his cartoons helped in ousting Boss Tweed

Thomas Nast

5. 30-20-10, name these people.

30) In the title track to the 2000 Mark Knopfler album "Sailing to Philadelphia", they are voiced by Knopfler and James Taylor. One is described as a Geordie boy, meaning from the area around Tyneside, England, the other as a baker's boy from the West Country.

20) Sure enough, and who were we to doubt Mark Knopfler, they did set sail for Philadelphia in 1763. Three years earlier, they were sent to Sumatra by the Royal Astronomical Society to observe the transit of Venus, but they never got further than the Cape of Good Hope.

10) Their mission in Philadelphia was to mark off 280 miles of the parallel of latitude 39 degrees, 43 minutes, 17.6 seconds North, but they were unable to mark off the last 36 miles.

Answer: **Charles Mason & Jeremiah Dixon**

6. For 10 points each, name these medieval Islamic siege weapons.

(10) This swing-beam device hurls projectiles by rocking a giant arm.

Answer: **mangonel** (manjaniq)

(10) This lighter hurler of projectiles worked by twisting a cord.

Answer: **ballista** ('arrada)

(10) According to al-Tarsusi, it was made from tar, resin, sandarac, lac, sulfur, dolphin fat, and goat kidneys

Answer: **Greek fire** (naft)

7. Name these poems from lines F15PA, if you need an author, you will receive 5.

For 15: Continuous as the stars that shine/ And twinkle on the milky way/ They stretched in never-ending line/ Along the margin of a bay.

For 5, William Wordsworth

Answer: **I Wandered Lonely as a Cloud**

For 15, But oh! that deep romantic chasm which slanted/ Down the green hill athwart a cedarn cover!/ A savage place! as holy and enchanted/ As e'er beneath a waning moon was haunted/ By woman wailing for her demon lover!

For 5, Samuel Taylor Coleridge

Answer: **Kubla Khan**

8. Identify the following fluid phenomena, for 10 points each.

A. While the result is similar to boiling, this is the sudden formation of either water vapor or vacuums in a fluid due to decreases in pressure.

answer: cavitation

B. It can be measured in a capillary tube by one half the product of the fluid density, gravitational acceleration, radius of the tube, and the height of fluid raised.

answer: surface tension

C. Along a streamline, the sum of the kinetic and potential energies of a particle in the fluid is constant, resulting in a relation between a fluid's height, pressure, and velocity.

answer: Bernoulli's principle or Bernoulli's Law

9. This 14-letter term names a school of thought dealing with the brain's unconscious processes, a school that has fallen out of fashion in science but has remained powerful in cultural studies. FTP each:

a. First, name this school pioneered by Sigmund Freud.

ANS: psychoanalysis

b. Name the French author of The Language of the Self who has been the major psychoanalytic figure in contemporary cultural studies.

ANS: Jacques Lacan

c. Identify this two-word term for one of Lacan's most commonly used concepts, the period of development around 18 months when the infant recognizes an image of itself that causes a fundamental rupture in the subject's psyche.

ANS: mirror stage (accept: mirror phase)

10. Identify the authors of these novels that deal with war. FTP each...

1. All Quiet on the Western Front

Erich Maria Remarque

2. For Whom the Bell Tolls

Ernest Hemingway

3. Johnny Tremain

11. The Byzantine Empire was based in modern Greece and Turkey, but its influence at times extended beyond these areas. FTPE, identify these places which were influenced by the Eastern Roman Empire.

A- This Mediterranean Island has the gloriously decorated 12th century church of Monreale, whose mosaics show how strong the Byzantine artistic influence was, especially considering the church was built for the island's Norman kings.

Answer: Sicily

B- Although the nation that bears this people's name is not considered much of a military threat today, they wear a bit more fierce 1200 years ago. They first harassed the Byzantine possessions in the Balkan peninsula in the

7th century, and by the 9th century under kings Boris and Symeon they were a major force, attacking Constantinople itself in 913.

Answer: Bulgars (accept Bulgaria)

C- Emperor Justinian's conquests in the west included this city near modern Venice, which was soon made the Byzantine capital of Italy. Today it still holds the best examples of Byzantine art and architecture on mainland Italy, especially in the church of San Vitale.

Answer: Ravenna

12. This musical term refers to a clearly defined musical theme associated with a particular person, thing or idea in a drama and that recurs throughout a composition.

A. For ten points, name this musical term.

Answer: leitmotiv

B. For ten points, although this composer didn't use the word "leitmotiv," the word is most often associated with his operas.

Answer: Richard Wagner

C. For ten points, this movie composer, whose films included *Gone with the Wind* and *The Adventures of Don Juan*, is often credited with popularizing the leitmotiv as a Hollywood device.

Answer: Max Steiner

13. Identify the following Indian religious texts, FTPE:

A. This term, Sanskrit for "knowledge," refers to four ancient collections of hymns with their later interpretive texts.

Answer: Vedas

B. From the Sanskrit for "session," these are the most famous Vedic interpretive texts.

Answer: the Upanishads

C. This is the oldest and most significant of the Vedas.

Answer: Rig Veda

14. 30-20-10, name the organization.

A. Its constitution was signed in London on November 16, 1945, by 37 countries. Its headquarters are in Paris, France.

B. Its main predecessors were the International Committee of Intellectual Cooperation and the International Board of Education.

C. This branch of the United Nations claims to contribute to peace and security in the world by promoting learning and communication.

_U_nited _N_ations _E_ducational, _S_cientific, and _C_ultural _O_rganization

15. His circulation system showed the liver producing the natural spirit, the heart, the vital spirit, and the brain, the animal spirit. For 10 points each--

A. Name this ancient physician.

answer: Galen

B. Name the Roman emperor who in 161 AD became a patient of Galen.

answer: **Marcus Aurelius** Antoninus

C. Galen established that arteries carried blood, upsetting the 500 year old view that they carried air, posited by what thinker?

answer: Erasistratus

16. Answer these questions about the atmosphere FTPE.

The ozone layer lies in what section of the atmosphere?

Answer: **Stratosphere**

At an altitude of 90 km, what is the coldest section of the atmosphere?

Answer: **Mesopause** (prompt on mesosphere)

This layer of the ionosphere lies above the Heaviside layer and its reflection of short waves helped develop radar.

Answer: **F** layer or **Appleton** layer

17. For 10 points each, name these patriotic, if not scrupulously accurate, people.

a) He was born on July 3, 1878 in Providence, Rhode Island. Awarded a special medal by Congress in 1940 for his patriotic compositions, his productions include "Forty-Five Minutes from Broadway," "The Song and Dance

Man," and "American Born".

Answer: George M. Cohan

b) He always claimed he was born on July 4, 1900, but his New Orleans church registry cites his date of birth as August 4, 1901. Among his compositions are classics like "Dippermouth Blues" and "Canal Street Blues", recorded with King Oliver's Creole Jazz Band.

Answer: Louis Armstrong

c) He was born on July 3, 1943, although some sources say it was July 4, to a Puerto Rican father and a Jewish mother on Long Island. He cracked the story of abuse at the Willowbrook State School for the Mentally retarded on Staten Island, which propelled him onto 20/20, and thence to Al Capone's safe.

Answer: Geraldo Rivera

18. Identify these winners of the Nobel Prize in Literature from the 1990s for 15 points each given some works, or for five points if you need their home country.

a1. Plays The Accidental Death of an Anarchist and Female Parts

a2. Italy

ANS: Dario Fo

b1. Novels The Silent Cry and A Personal Matter

b2. Japan

ANS: Kenzaburo Oe

19. Previet, comrade! Are you a loyal member of the Communist Party? For 5 points apiece, plus a 5-point bonus for chronological order, name the 5 leaders of the Soviet Union following Josef Stalin.

Nikita Khrushchev, Leonid Brezhnev, Yuri Andropov, Konstantin Chernenko, Mikhail Gorbachev

20. The three largest cities in the country of Ireland share their name with the counties they are capital of.

Five for one, fifteen for two, thirty for all three, name them.

Answer: Dublin, Cork, Limerick

21. Given a star, name its constellation, for 10 points each:

A. Capella

answer: Auriga

B. Antares

answer: Scorpio

C. Procyon

answer: Canis Minor

22. Identify the directors of these classic movies, for 10 points each.

A. Some Like It Hot

answer: Billy Wilder

B. Patton

answer: Franklin J. Schaffner

C. The Manchurian Candidate

answer: John Frankenheimer