## ROUND 3

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Technophobia 1
California Institute of Technology
November 15-16, 1996
packet by Caltech Sympathetic
supplemental questions by Maryland C (*) and Randolph-Macon (**)
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TOSSUPS

1. In 1905, his partition of Bengal was simultaneously a classic act of divide and rule, and a clear assault on the administrative fortunes of the Hindu elite. For ten points, name the British viceroy of India who carried out the partition.

ANSWER: Lord _CURZON_
**2. The old version of this city was founded in 808 AD by Moulay Idriss II, and the New version was founded in 1276 by the Merinade dynasty. The Karaouine mosque in this Moroccan city is a center of Islamic learning. The oldest of Morocco's four imperial cities, it lies 150 miles northeast of Casablanca. For 10 points, what is this city that also lends its name to a style of headwear?

ANSWER: _FEZ_
3. As a student, this author found in a cafeteria a piece of paper that contained twenty sentences. Each of his twenty novels starts with one of those twenty sentences. For ten points, name this American author, Masters graduate of the University of Chicago, who wrote "Portnoy's Complaint."

ANSWER: Philip Milton _ROTH_
4. He died September 5, 1906 in Italy, and he has $S=k \log W$ as his epitaph. One of the founders of statistical mechanics, a certain distribution bears his name. For 10 points, name this Austrian physicist who shared credit for the distribution with James Clerk Maxwell.

ANSWER: Ludwig _BOLTZMANN_
5. In the 1991 governor's race, this candidate, when asked to comment on any similarities between himself and his opponent, said, "We're both wizards under the sheets." His campaign slogan was "Vote for the crook." For ten points, name this former governor of Louisiana, convicted felon, and winner of the 1991 election against former KKK Grand Wizard David Duke.

ANSWER: Edwin W. _EDWARDS_
**6. One of their lesser-known jobs is watering the root of the world tree, since they sit around there all the time anyway. They are more powerful than even Odin. Their names are Urd, Verlandi and Skuld. For 10 points,
what are these Norse equivalents of the Fates?
ANSWER: The _NORNS_ (accept "Urd, Verlandi and Skuld" on an early buzz, and look suitably impressed)
7. They were voted in contempt of Congress on Nov. 24, 1947, for invoking the First Amendment in their refusal to answer questions from the House Un-American Affairs Committee. Name this group which included Lester Cole, Dalton Trumbo, Ring Lardner, Jr., and seven other notables of the entertainment industry.

ANSWER: _HOLLYWOOD TEN_
8. Roger Moore played a character nicknamed "The Saint" on 1960's television. For a quick ten points, what is the Saint's real name, a name that comes from an order whose full name was "Poor Knights of Christ and of the Temple of Solomon."

ANSWER: Simon_TEMPLAR_
9. It comes from the Hindi verb "to rob" or "to plunder." Now it can also be a noun for those valuables pillaged in war, or, in the case of Los Angeles, a riot. For ten points, what is this four-letter English word?

ANSWER: _LOOT_
10. For his doctoral thesis in 1962, he computed Euler's constant to great accuracy. He is the author of the font-designing program, "Metafont." For ten points, name this computer scientist, mathematician, creator of the Computer Modern fonts, and author of the "TeX" (TEK) typesetting system.

ANSWER: Donald Ervin _KNUTH_
11. Seventh Wrangler in the 1893 Cambridge Mathematical Tripos, he was dismissed from his lectureship at Trinity College, Cambridge for his pacifist stance, and judicially banned from teaching philosophy at City College, New York in 1940, because of his views on sex and religion. FTP, name this winner of the 1950 Nobel Prize in Literature, a founding father of analytic philosophy and author of "A History of Western Philosophy."

ANSWER: Bertrand Arthur William _RUSSELL_ or Lord _RUSSELL_ or 3rd Earl _RUSSELL_
12. Flaubert said of this apprentice, "He is my disciple and I love him like a son." His apprentice became famous with the publication of "Boule de Suif" ("Ball of Fat") in 1880, a story of an ostracized prostitute set during the Franco-Prussian war. For ten points, name this French writer, who died at age forty-two of syphilis.

ANSWER: Henri Rene Albert Guy De _MAUPASSANT_
${ }^{* *} 13$. This country's primary western port is Oporto. On the southern coast
lies the port of Faro. Part of this country's eastern borders are the Douro and Guadiana rivers. Running east-west, nearly bisecting the country, is the Tagus river. For 10 points, what is this country whose unit of currency is the escudo?

ANSWER: _PORTUGAL_
14. Called before the Star Chamber in 1638 for importing seditious literature into England, he refused to answer questions on his actions and pled the right against self-incrimination. His conviction, as well as the Star Chamber, were abolished by the Long Parliament two years later. For ten points, name this radical democrat and member of the Leveller Party during the English Civil War, who is also known as "Free-Born John".

ANSWER: John _LILBURNE_
*15. When afficted with scurvy, this protein cannot form fibers properly, resulting in skin lesions, blood vessel fragility, and poor wound healing. This extracelluar protein is the major component of connective tissues such as bone, teeth, cartilage, tendon, and ligament. FTP, name this most abundant protein of vertebrates.

ANSWER: _COLLAGEN_
**16. Hailing from Florence, Alabama, he joined a minstrel show as a clarinet player, and by 1903 had formed his own band in Memphis. He later moved to Chicago and New York, forming his own publishing company. He is also known for introducing the "blues" style to printed music. For 10 points, name this author of the 1914 work, "St. Louis Blues."

ANSWER: William Christopher _HANDY_
**17. California has had six. Ohio and Pennsylvania have had five and Mississippi has had four. Twenty-three states have not had one. There have been three Susans and four with a name variant of Debbie. Colleen Hutchins was $5^{\prime} 101 / 2^{\prime \prime}$, while Margaret Gorman was only $5^{\prime} 1^{\prime \prime}$.' For 10 points, I am talking about what title whose winner is crowned every September in Atlantic City?

ANSWER: _MISS AMERICA_
**18. On it were such information as the alphabet, numerals, simple words, a blessing and the Lord's Prayer. It consisted of a paddle-shaped wooden board on which was mounted a sheet of vellum or paper, which was protected with a transparent sheet of material. For 10 points, what is the name of this children's primer common in England and colonial America from the mid-15th to the 18th centuries?

ANSWER: _HORNBOOK_
19. Pencil and paper ready. There are 365 days in a year, BUT for 10 points, the squares of what two consecutive positive integers add to 365 ?

ANSWER: _13 AND 14_
**20. After dying on April 13, 1605, he was succeeded by his only son, who only lasted a few months. He was overthrown by a pretender claiming to be a son of Ivan the Terrible. For 10 points, name this regent for the feeble Feodor I, who ruled as czar from 1598 to 1605 and is the title of a Mussorgky opera.

ANSWER: Boris _GODUNOV_
21. He had been appointed chairman of the San Francisco Housing Authority in 1976 for his humanitarian work. On November 18, 1978, he ordered the assasination of Congressman Leo Ryan and three reporters who had come to investigate his commune in Guyana. For ten points, name this cult leader whose followers drank cyanide en masse in 1978.

ANSWER: James Warren _JONES_
22. In his 1960 book, "The Union Pacific Railroad: A Case Study in Premature Enterprise," he argued that, contrary to popular belief, railroads did not benefit the American economy. His 1974 "Time on the Cross: Economics of American Negro Slavery" provoked strong criticism of his view that slavery was an efficient economic system. For ten points, name this co-winner of the 1993 Nobel Prize in Economics, who shared it with Douglas North.

ANSWER: Robert William _FOGEL_
23. Adopted in 1895, it applies when at least first and second are occupied with less than two out. It is designed to prevent a defensive player from intentionally dropping a pop-up to get an easy double play. For ten points, give the common two-word name of this baseball rule.

ANSWER: _INFIELD FLY_rule
24. Subtitled "A Study of Comparative Religion," this work of cultural anthropology focused on "sympathetic magic," and postulated that societies first embrace magic, then religion, and finally science. For ten points, name this 1890 work by Sir James Frazer.

ANSWER: The_GOLDEN BOUGH_
25. On May 12, 1994, he received a package of documents from "Mr. Butts," a pseudonym for a paralegal working at Brown and Williamson.
Eventually these documents helped lawyers for Grady Carter win a $\$ 750,000$ judgment against Brown. For ten points, name this anti-smoking advocate and professor of medicine at the University of California, San Francisco.

ANSWER: Stanton _GLANTZ_
26. The main character of "Black No More," Max Disher, becomes white through the great discovery of a brilliant physician. For ten points, name the author of this work who creates thinly disguised portraits of black
leaders such as W.E.B. DuBois and Marcus Garvey with charactistic irreverence.

ANSWER: George Samuel _SCHUYLER_
27. Part II of Carl Philip Emmanuel Bach's "An Essay ọn the True Art of Playing Keyboard Instruments" is devoted to this style of Baroque improvisation and accompaniment. Small numerals underneath the staff tell the performer what intervals to play over the bass notes, in order to complete the accompaniment. For ten points, name this almost forgotten musical art.

ANSWER: _FIGURED BASS_or_THOROUGH BASS_ or BASSO _CONTINUO_
28. Made by Georges Nagelmackers' firm, "La Compagnie Internationale des Wagons-Lits et des Grands Express Europeens," it took its first trip in 1883, as part of a Paris to Constantinople journey. For ten points, name this famous train, scene of an Agatha Christie mystery.

ANSWER:_ORIENT EXPRESS_
29. This 1961 film directed by Stanley Kramer starred, among others, William Shatner, Maximillian Schell, Marlene Dietrich, and Spencer Tracy in an Academy Award-winning film based on Abby Mann's screenplay. For ten points, name this film portrayal of the 1948 Nazi War Crimes Trials.

ANSWER: _JUDGMENT AT NUREMBERG_
30. This dialect, spoken in Lower Saxony, is similar to Dutch and Frisian. It takes its name from the North German plain, where it is still widely spoken. For ten points, name this German dialect.

ANSWER: _PLATTDEUTSCH_or_LOW_GERMAN or _NIEDERDEUTSCH_
31. This variant of chess is played with two boards, two clocks, and two teams of two. When a player captures a piece, he hands it to his partner, who may later place it on his own board, instead of moving his own piece. For ten points, name this game, distinguished by its sacrificial attacks and high speed.

ANSWER: _BUGHOUSE_ or _DOUBLE FIVE(S)_ or _SIAMESE_ or _SIMULTANEOUS_CHESS.

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BONUSES

1. 30-20-10 Name the mathematician.

30: To illustrate to his colleague that any number could be interesting, he pointed out that 1729 is the smallest integer that can be represented as the sum of two cubes in two different ways.

20: He worked with Godfrey H. Hardy at Trinity College, Cambridge, and together they made contributions to analytic number theory, particularly the theory of partitions.

10: He was born in Erode, in southern India, and taught himself mathematics from Carr's "Synopsis of Elementary Results in Pure and Applied Mathematics."

ANSWER: Srinivasa _RAMANUJAN_
2. Answer these questions about Mark Twain's "A Connecticut Yankee in King Arthur's Court" for 10 points each.
A. The protagonist, "The Boss," escapes burning at the stake by seeming to cause what natural phenomenon?

ANSWER: Solar _ECLIPSE_
B. In what New England town was "The Boss" born and raised?

ANSWER: _HARTFORD_, Connecticut
C. What century does his time travel bring him to?

ANSWER: _6th_ or _500s_
3. "The masters of the fairest and most wealthy climates of the globe turned with contempt from gloomy hills assailed by the winter tempest, from lakes concealed in a blue mist, and from cold and lonely heaths, over which the deer of the forest were chased by a troop of naked barbarians."
A. For 10 points, this quote is from what famous historical work?

ANSWER: Gibbon, _DECLINE AND FALL OF THE ROMAN EMPIRE_
B. What tribe did the naked barbarians belong to?

ANSWER: _CALEDONIANS_
C. What land of gloomy hills, misty lakes and lonely heaths was Gibbon talking about?

ANSWER: _SCOTLAND_ (prompt on "Great Britain" or "United Kingdom")
4. In this year's election there were a number of third party candidates. For ten points each name the presidential candidate for each of these parties:

1) Libertarian Party

ANSWER: Harry _BROWNE_
2) Green Party

ANSWER: Ralph _NADER_
3) Natural Law Party

ANSWER: John _HAGELIN_
5. Answer these questions about U.S. geography for the stated number of points each.
A) Two U.S. states border eight other states. Name those two states for 5 points each.

ANSWER: _MISSOURI_ and_TENNESSEE_
B. Maine is the only state which borders only one other state. Four states, however, have two border states. Name them for five points each.

ANSWER: _SOUTH CAROLINA_, FLORIDA_, WASHINGTON_, and _RHODE ISLAND_
**6. In Greek mythology, when the dead descended to Hades, they were judged by three judges. Name them for 10 points each.

ANSWER: _MINOS_, _AEACUS_, and _RHADAMANTHUS_
7. Identify these famous Supreme Court decisions for 10 points each.
A. This unanimous, two-sentence Supreme Court decision of 1886 extended the "equal protection of the laws" of the Fourteenth Amendment to corporations.
(5 points per party, prompt if only one given)
ANSWER: _SANTA CLARA_v. _SOUTHERN PACIFIC RAILROAD_
B. In this 1964 case, the Supreme Court ruled that public figures, to prove libel, must show that the writer showed "actual malice" or "reckless disregard for the truth."
( 5 points per party, prompt if only one given)
ANSWER: _NEW YORK TIMES_v._SULLIVAN_
C. For five points each, name the Supreme Court case which articulated the "clear and present danger" test for restricting free speech, and the justice who formulated that test.

ANSWER: _SCHENCK_v. UNITED STATES, OLIVER WENDELL_HOLMES_, JR. ("Schenck" alone is acceptable)
**8. Identify the works of literature from the characters, 10 points each.
A. Lucy Honeychurch, Cecil Vyse, George Emerson.

ANSWER: _A ROOM WITH A VIEW_
B. Karl Lindner, Walter Lee Younger.

ANSWER: _A RAISIN IN THE SUN_
C. Allan Quartermain, Henry Curtis.

ANSWER: _KING SOLOMON'S MINES_
9. 30-20-10 Name the man.
A. Born in Alsace in 1875, he obtained his Ph.D. in philosophy in 1899, and his Ph.D. in theology in 1900, good background for his "The Quest for the Historical Jesus," a work which gave him fame as a theologian.
B. A gifted musician, he studied the organ under Charles-Marie Widor in Paris. His biography of Bach grew out of a request from Widor to explain Bach's art to the other students at the Conservatory.
C. In 1913 he obtained his medical doctorate, so he could become a missionary doctor in Africa, where he set up a jungle hospital in Gabon. Occasional organ concert tours supported the hospital. For his philanthropic work, he won the Nobel Peace Prize in 1952.

ANSWER: ALBERT _SCHWEITZER_
10. 30-20-10 name the person.
A. This Florentine inventor and architect received the first recorded industrial patent, in 1421, for his invention of a barge with gear for hoisting marble.
B. He designed the vaulted dome of the Florence cathedral, along the way inventing devices needed for the difficult construction.
C. In the early 1400's, he developed the rules of vanishing-point perspective, rules which had been lost since antiquity.

ANSWER: FILIPPO_BRUNELLESCH_
11. James K. Polk's campaign slogan was " $54^{\prime} 40^{\prime \prime}$ or fight!" Brawling is strongly discouraged, but you will get 10 points for each of the following parallels, or lines of latitude, that you can name, to the nearest degree.
A. It divides North and South Korea.

ANSWER: _38TH_
B. The 1954 Geneva Accords divided Vietnam here.

ANSWER: _17TH_
C. It divides North and South Dakota

ANSWER: _46TH_
12. How well do you know your fluid mechanics? I'll describe a dimensionless ratio, you supply the name for 10 points each.
A) Ratio of inertial to viscous forces.

ANSWER: _REYNOLDS_NUMBER
B) Square root of the ratio of kinetic to potential energy.

ANSWER:_FROUDE_NUMBER
C) Ratio of momentum diffusivity to thermal diffusivity.

ANSWER: _PRANDTL_NUMBER
13. Answer these questions about music for 10 points each.
A. How many semitones make up an octave in Western music?

ANSWER: _12_
B. What is the interval between twelve true fifths and seven octaves called?

ANSWER: _PYTHAGOREAN COMMA_
C. This comma was eliminated by developing what system of tuning that Helmholtz criticized in "The Sensations of Tone"?

ANSWER: _EQUAL-TEMPERED_or_EQUAL-TEMPERMENT_or _WELL-TEMPERED_
14. It just wouldn't be a Caltech packet without at least one science fiction bonus. Answer these questions about Isaac Asimov's Foundation series for 10 points each.
A. This fictional science involved mathematically predicting future social history.

ANSWER:_PSYCHOHISTORY_
B. Which fictional character founded the science?

ANSWER: HARI_SELDON_
C. The science was modeled on what (actual) physical theory?

ANSWER: _KINETIC THEORY_OF GASES OR _STATISTICAL MECHANICS_
**15. "Half a league, half a league, half a league onward / All in the valley of Death rode the 600."
A. First, for 5 points, these are the opening lines to what Tennyson poem?

ANSWER: The _CHARGE OF THE LIGHT BRIGADE_
B) Next, for 5 points, what battle does this poem commemorate?

ANSWER: Battle of _BALAKLAVA_
C. For 5 points each, in what year and month did the battle take place?

ANSWER: _OCTOBER_ of _1854_
D. Theirs not to make reply / Theirs not to reason why / Theirs but to do and die. For 10 points, name the general who misunderstood his orders and led the Light Brigade into the "valley of Death."

ANSWER: Lord _CARDIGAN_
**16. Let's do the Time Warp again! Answer these questions about the Rocky Horror Picture Show.
A. For 5 points each, from what planet in what galaxy do Magenta, Riff-Raff and Dr. Frank N. Furter come from?

ANSWER: Planet _TRANSSEXUAL_ in Galaxy _TRANSYLVANIA_
B. For 5 points each, what is Meatloaf's character's name and description, as given in the opening credits?

ANSWER:_EDDIE_and_THE EX-DELIVERY BOY_
C. For 10 points, what actress played Janet, the innocent fiancee who turns wild?

ANSWER: SUSAN_SARANDON_
17. This country music star is only 14 years old, but she is getting a lot of attention with her debut album. The title song from her album was
nominated for Best Country Single at the CMA (Country Music Association) Awards; making her the youngest singer ever to have to have that honor bestowed upon her. For fifteen points each, name this rising star and the title song of her album.

ANSWER: LeAnn _RIMES_ (artist)
_BLUE_ (album)
**18. I will name an opera singer, and you name his or her range for the stated number of points.
A. (5) Enrico Caruso. ANSWER: _TENOR_
B. (5) Norman Bailey. ANSWER: _BARITONE_
C. (10) Cecilia Bartolio. ANSWER: _MEZZO-SOPRANO_ (do not accept or prompt on "soprano")
D. (10) Dame Nellie Melba. ANSWER: _SOPRANO_
19. Identify these terms from billiards for ten points each.

1) The position of balls after a shot.

ANSWER: _LEAVE_
2) Extreme application of English on a cueball applied by elevating the cue.

ANSWER: _MASSE_
3) The point of balance on the cue.

ANSWER: _FULCRUM_point
20. 30-20-10 Name this fictional character.
A. The first three initials of this literary character comes from the three fundamental physical constants: the velocity of light, the gravitational constant, and Planck's constant.
B. This character appears in works designed to introduce to the nonspecialist such difficult topics as relativity and cosmology. In one book, he is a bank teller whose fantastic dreams and adventures lead him into a world inside the atom.
C. He first appeared in a 1936 George Gamow work, in which his adventures in Wonderland are described.

ANSWER: Mr. C.G.H. _TOMPKINS_
**21. Answer these questions about Huey Long, the "Kingfish."
A. For 10 points, with what four words did he promote his "Share The Wealth" program?

ANSWER: _EVERY MAN A KING_
B. For 5 points each, name Huey's brother and son who served as governor and Senator respectively from Louisiana, continuing Huey's power from beyond the grave.

ANSWER: _EARL_ \& _RUSSELL_
C. For 10 points, name Huey Long's assassin.

ANSWER: Carl Austin _WEISS_
22. Answer these questions about bridge, the world's greatest card game, for 10 points each.
A. This ancestor of bridge, probably invented in England, had a best-selling "Short Treatise" by Edmond Hoyle devoted to it.

ANSWER: _WHIST_
B. This ancestor of contract bridge was the first to use competitive bidding to decide the trump suit.

ANSWER: _AUCTION_bridge
C. David Bruce, Richard L. Frey, Oswald Jacoby and captain Howard Schenken were members of what championship American bridge team that won most major events in the 1930's, including the 1935 World Championship?

ANSWER: _FOUR ACES_
23. This novel contains the following warning on the publisher's page. "Caveat: Kids! Bringing about Armageddon can be dangerous. Do not attempt it in your own house."
A)For ten points, name this work that's subtitled "The Nice and Accurate Prophecies of Agnes Nutter"?

ANSWER:_GOOD OMENS_
B) For another ten points, name the co-author of this work who also writes the "Sandman" comic book series and whose name is mentioned in the Tori Amos songs "Space Dog" and "Tear In Your Hand."

ANSWER: Neil _GAIMAN_
C) The other author had the distinction of getting the job as Press Officer with the Central Electricity Generating Board just after the Three Mile Island incident. For the remaining ten points, name this writer whose other works include the Discworld series.

ANSWER: Terry _PRATCHETT_
24. 30-20-10 Name the man.
A. Christian Dior hired him when he was 17, after seeing his sketches.

He became head of the House of Dior in 1957.
B. In 1983, the Metropolitan Museum of Art held a retrospective of his designs, the first ever for a living artist.
C. In 1962 he opened his own fashion house and quickly emerged as one of the most influential designers in Paris. He popularized trousers for women for both city and country wear. Metallic and transparent fabrics were prominent in his late '60s collections; in the 1970s, inspired by ethnic costume, he introduced the haute peasant look. During the 1960s and '70s his enterprises expanded to include ready-to-wear licenses, accessories, household linens, fragrances, and men's clothes in addition to his couture business.

Yves-Henri-Donat-Mathieu Saint _LAURENT_
25. These two wrestlers starred in the October 20, 1996 WWF pay-per-view event called "In Your House: Buried Alive." The winner had to bury his opponent six feet under in a mound of dirt near ringside. For fifteen points each, name the two wrestlers.

ANSWER: The _UNDERTAKER_,_MANKIND_

