

## Technophobia IV

### "Eaters of Broken Meat"

Packet by R. Robert Hentzel and Dwight Kidder

#### Tossups

1. His relative weakness forced him to accept the church's *De Heretico Comburendo* which persecuted the followers of John Wycliffe. The reign of this son of John of Gaunt began when he usurped the crown and began the Lancastrian line. He was troubled throughout his reign by threats of rebellion from Owen Glyndwr and the Percy family. For 10 points--name this English monarch, born Henry Bolingbroke, who overthrew the last Plantagenet, Richard II.

answer: Henry IV (accept Henry Bolingbroke early)

2. They may grow to nearly 9 feet in length and are always grooved with a left-handed spiral. Every so often a male will have two, but most have but one and females none at all. They serve no known function and are thought to have been developed by sexual selection. For 10 points--name these objects, once mistaken for unicorns' horns, found on small whales of species *Monodon monoceros* in the Arctic.

answer: narwhal tusk(s) or narwhal horn(s)

3. It's a fine something that all people need, being a shirt and a sock and a glove and a hat. You can use it for carpets, for pillows, for sheets, or curtains, or covers for bicycle seats. Unfortunately, it can only be produced with the tufts of the Truffula trees and the Once-ler's family destroys the entire forest to meet demand for this product. For 10 points--name this utterly unnecessary product, the centerpiece of Dr. Seuss' *The Lorax*.

answer: thneed

4. A chance meeting in a World War II internment camp brought Austrian refugees Peter Schidlof, Nobert Brainin, and Siegmund Nissel together. Dame Myra Hess and Ralph Vaughan Williams helped ensure their release, after which Schidlof took up the viola since Brainin was the more accomplished violinist. For 10 points--name the long-lasting quartet which these men founded with Martin Lovett in 1948 which was named for both the "love of God" and Mozart.

answer: Amadeus Quartet

5. In the early 18th century a farmer from this country was threshing his wheat when he discovered a tiny man, no more than one-tenth his height. He brought him home for his daughter, Glumdalclitch, to play with, but soon began to sell tickets to see him to the other giants. For 10 points--name this land near India from which Lemuel Gulliver escaped after a bird carried his cage away.

answer: Brobdingnag

6. He claimed to have lost his glasses while birdwatching near the culvert. He also claimed to own a

Hammond typewriter when an Underwood typewriter was pulled out of Jackson Park Harbor. He claimed to have been in his car with some girls when Bobby Franks was killed, but his chauffeur had been repairing the car that day. For 10 points--name this man who, despite his high opinion of himself and his homosexual lover, utterly failed to pull off the perfect murder in 1924.

answer: Nathan F. "Babe" Leopold

7. The character of Sarastro, high priest of Isis and Osiris, is a testament to the beliefs and morals of the Freemasons, an organization popular in the Austrian government in the 1790s. It turns out that he did kidnap Pamina, but only to protect her from her mother, the evil Queen of the Night. For 10 points--name this 1791 *Singspiel* [ZING-shpeel] named for musical instrument of Tamino and not the magic bells of Papageno.

answer: The Magic Flute or Die Zauberflöte

8. His publications between 1951 and 1975 referenced linguistics, line noise, cosmology, turbulence, finance, game theory, meteorology, and physics, all fields that he sought to tie together with a new mathematical discipline devoted to self-similar figures like his namesake construction in the complex plane. For 10 points--name this French mathematician who coined the term "fractal" for his sophisticated objects.

answer: Benoit Mandelbrot

9. "The only way of expressing emotion in the form of art is by finding a blank blank; in other words, a set of objects, a situation, a chain of events which shall be the formula for that particular emotion; such that, when the external facts, which must terminate in sensory experience, are given, the emotion is immediately evoked." For 10 points--fill in the missing words in this quotation from T.S. Eliot's *Hamlet and His Problems* setting forth his personal theory of poetry.

answer: objective correlative

10. The mother hates the father because he wouldn't pay for a real doctor when she gave birth. The father hates the older son for his terrible taste in literature. The older son hates the younger son because he stole his father's love and may succeed in literature where he failed. The younger son is furious with the mother because of her morphine habit. For 10 points--name this 1956 play about James, Mary, Edmund, and Jamie, a disturbing and autobiographical work of Eugene O'Neill.

answer: Long Day's Journey Into Night

11. He started only a single year at Division I-AA Northern Iowa, then played three years for the Iowa Barnstormers in the Arena Football League, and then spent 1998 with the Amsterdam franchise of NFL Europe. NFL scouts saw no future in this history and were as surprised as anyone when he had 14 touchdown passes, a rating of 136, and four wins after four games. For 10 points--name this quarterback who came out of nowhere to make the St. Louis Rams the only NFL team to start 1999 with four straight wins.

answer: Kurt Warner

12. Its variance with applied electric fields is called the Kerr or Pockels effect depending on the magnitude. It is equal to the square root of 1 plus the ratio of the medium's specific susceptibility, giving a value of 1.52 to 1.66 for glass, 2.42 for diamond, 1.33 for water, and 1.0002 for air. For 10 points--name this characteristic of a material, the ratio of the speed of light in a vacuum to the speed of light within it.

answer: refractive index or index of refraction

13. His autobiographical *Arrow in the Blue* describes him as a "typical case history of the Central European member of the educated middle class, born in the first years of this century." As an active communist, he was imprisoned by the French and English--and almost executed by Spanish fascists--only to break with Communism with such works as *The God that Failed*. For 10 points--name this man who produced a scathing indictment of Communist tyranny with his tale of an old-guard Bolshevik, *Darkness at Noon*.

answer: Arthur Koestler

14. The apples of Idun stolen by Loki, the offer made to Odysseus by Calypso, the plant sought by Gilgamesh, the peach of p'an-t'ao, and the food offered to Adapa all conferred what characteristic, which--for 10 points-- was famously granted to Tithonus without the parallel promise of eternal youth?

answer: immortality (accept equivalents)

15. It originated as the Raleigh Travelers' Club in 1827 but assumed its present name in 1830. During the 19th century it supported the work of Sir Robert Schomburgk, John Hanning Speke, James Augustus Grant, and Sir John Franklin, while the 20th century saw it support Robert Falcon Scott, Sir Ernest Shackleton, and Sir Edmund Hillary, all of whom won its coveted gold medal. For 10 points--name this English organization devoted to exploration, maps, and surveying, often abbreviated RGS.

answer: Royal Geographical Society (accept RGS before "abbreviated")

16. During the Vietnam War, Air America served as a front for the CIA that ran the war out of Laos. Its elite Shadow Company of trained killers and mercenaries was responsible for destroying the heroin trade of the Viet Cong. Under the direction of General Peter McAllister and his henchman Joshua, Shadow Company regrouped after the war and took over the drug business. For 10 points--name the 1987 movie documenting the destruction of this drug ring by two L.A. policemen, Martin Riggs and Roger Murtaugh.

answer: Lethal Weapon

17. The famous Eliza computer program interacted with a user by asking a series of non-directed questions that only loosely related to the user's responses; it depended on the user to drive the conversation. Eliza was originally modeled on the psychological theories of this man who replaced the term "patient" with "client" to emphasize the person-to-person relationship of treatment. For 10 points--name this author of *Client-Centered Therapy* and *Becoming a Person*, one of the founders of the humanist school.

answer: Carl (Ransom) Rogers

18. He considered his victim to be "an enemy of the good people, the good working people," in his final statement before execution. He had refused to talk to his lawyers Loran Lewis and Robert Titus leaving

them to argue that no sane man would assassinate in such a public and blatant manner. For 10 points--name this anarchist convicted after a token deliberation of the murder of President William McKinley.

answer: Leon Czolgosz [CHOL-gahsh]

19. The last major one was known as the *Würm* in Europe and the Wisconsin in the United States and its recession brought an end to the Pleistocene epoch. The so-called Little one lasted from 1500 until 1850 during which time storm belts shifted to the south and mean solar activity was reduced. For 10 points--name these periods of encroaching glaciers and low temperatures.

answer: Ice Age (accept glaciations before "Little")

20. It sports the earliest known examples of Composite columns and bears friezes depicting the looting and destruction of Solomon's temple and the AD 70 conquest of Jerusalem. It was constructed at the eastern end of the Forum by Domitian in honor of his brother's, and predecessor's, success in the war against the Jews. For 10 points--name this famous triumphal arch of ancient Rome, under which soldiers could march to cleanse themselves of the blood of their enemies.

answer: Arch of Titus

21. One must be 18 handbreadths tall and possess 42 cups, knobs, and flowers, but may be made of any metal, though the original one was made of a single piece of beaten gold. The original had seven receptacles representing the days of creation, but most modern ones have eight representing the days of a festival. For 10 points--name this type of candelabrum often used as an iconic depiction of Judaism.

answer: menorah

22. This principle gave rise to the notion of color when it was extended to all particles with half-integral spin. Color was an abstract quantum number that differentiated the quarks in a nucleon thereby allowing them to share an energy level and spin state. It was originally applied only to valence electrons and served to explain why they were not all found in the orbitals of lowest energy. For 10 points--name this principle which prohibits particles of certain types from being in the same state at the same time.

answer: Pauli Exclusion Principle

23. St. Vladimir [vlah-DEE-meer] won the crown of this city in 977 after slaying his brother. After choosing Christianity for the beauty of its churches, Vladimir married a Byzantine princess and promised to support her father, the Emperor, in times of war, thereby tying Russia to the Eastern Orthodox faith. For 10 points--name this city, the center of Russian power from the 800s to 1237, which is today the capital of Ukraine.

answer: Kiev or Kyiv

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#### Bonuses

1. 30-20-10. Identify the semi-historical document from quotes.

A. "Our right lies in force. The word "right" is an abstract thought and proved by nothing. The word means no more than: --Give me what I want in order that thereby I may have a proof that I am stronger than you."

B. "It is indispensable for our purpose that wars, so far as possible, should not result in territorial gains: war will thus be brought on to the economic ground, where the nations will not fail to perceive in the assistance we give."

C. "Do not suppose for a moment that these statements are empty words: think carefully of the successes we arranged for Darwinism, Marxism, Nietzscheism. To us Jews, at any rate, it should be plain to see what a disintegrating importance these directives have had upon the minds of the goyim."

answer: The Protocols of the Meetings of the Learned Elders of Zion

2. Given the allegorical meaning of a novel in the *Chronicles of Narnia* in \*C. S. Lewis\*' own words, identify the novel, for 10 points each:

A. "tells the Creation and how evil entered Narnia."

answer: The Magician's Nephew

B. "restoration of true religion after a corruption."

answer: Prince Caspian

C. "the coming of the Antichrist (the ape). The end of the world and the last judgement."

answer: The Last Battle

3. Identify the following men who did not work for a pointy-haired boss, for 5 points each. You have 3 seconds per part.

A. This chemistry professor and basketball coach at Purdue won eleven Big 10 titles and pioneered the fast break offense.



answer: Ward L. "Piggy" Lambert

B. This son of Chlotar II was the last Merovingian monarch to possess substantial power over an undivided Franking kingdom.

answer: Dagobert I

C. He proved the theorem of invariants, but is best known for his list of 23 research problems presented at the 1900 International Mathematical Conference in Paris.

answer: David Hilbert

D. This anti-hero wrote the story of his murder of Clare Quilty and his perverse desires for young girls from his prison cell.

answer: Humbert Humbert (accept either)

E. This pre-eminent Elizabethan scientist determined that the earth acted as a gigantic bar magnet.

answer: William Gilbert

F. This prince consort of Queen Victoria was an architect, diplomat, musician, adviser, and athlete.

answer: Prince Albert or Francis Albert Augustus Charles Emmanuel, Prince of Saxe-Coburg-Gotha

4. Identify the following concepts related to object oriented programming, for 10 points each:

A. This term, borrowed from architecture, refers to a recurring interaction among classes which is given a name. Examples include strategy, builder, singleton, and flyweight.

answer: design pattern

B. Fundamental to design patterns are these collections of methods which a class can promise to implement, though they themselves have no implementation.

answer: interface(s)

C. This 8-letter term describes classes which may not be instantiated but which provide structure or partial implementation to their subclasses.

answer: abstract

5. Name these men who successively claimed to be in control of Norway in 1940, for 10 points each:

A. This man, who became king of Norway upon independence in 1905, had to flee the country after the Allies abandoned the coastal cities in order to defend France.

answer: King Haakon VII or Christian Frederick Carl Georg Valdemar Axel

B. This man, the leader of the small National Union party, proclaimed a national government on April 9 after Haakon's departure. This lasted until April 15.

answer: Vidkun (Abraham Lauritz Jonsson) Quisling

C. Quisling was replaced by this German commissioner who later allowed Quisling to become "minister president" and continue his violent and racist programs of nazification.

answer: Josef Terboven

6. Judged by 20th century American standards, the women of Indian literature have suffered terrible abuse. For 10 points each--

A. This drama of Kalidasa tells how King Dusyanta leaves the young title character with child and then rejects her at court because she cannot produce a ring he had given her. It is often named as the single greatest work of Indian literature.

answer: The Recognition of Shakuntala or Abhijñanashakuntala

B. This wife of the five Pandava brothers is callously gambled away to the Kaurava clan. Only the intervention of Krishna saves her from being publicly stripped and humiliated by the winners in the *Mahabharata*.

answer: Draupadi

C. This wife of Rama in the *Ramayana* proved her fidelity in an ordeal of fire, but he chose to banish her to the forest anyway in deference to public opinion.

answer: Sita

7. Given a philosophically oversimplified conclusion, identify the Platonic dialogue in which it appears, for 10 points each:

A. That which is pious is loved by the gods because it is pious; it is not pious because it is loved by the gods.

answer: Euthyphro [YOO-thih-fro]

B. Education does not consist of learning, but of remembering that which was already known.

answer: Meno [MEH-no]

C. The soul must be immortal because nature is cyclical, because it contemplates forms that are eternal, and because, having life, it cannot have its opposite, death.

answer: Phaedo [FY-do]

8. For 10 points each--identify each of the following men who were extremely interested in music, but are inevitably remembered for something else.

A. This music critic and author of 1917 edition of the *National Collection of Italian Music* inspired Debussy to compose music for his play *The Martyrdom of Saint Sebastian*. He is better known as a fascist.

answer: Gabriele d'Annunzio

B. This man feuded with Jean-Philippe Rameau over the merits of the new Italian opera vis-a-vis the established French opera. He also wrote the music articles for the *Encyclopedie*. He is better known as a philosopher.

answer: Jean-Jacques Rousseau

C. This man was a famed organist and interpreter of Bach, writing *J.S. Bach: The Musician-Poet* and editing his works. He is better known as a theologian, missionary, and doctor.

answer: Albert Schweitzer

9. Given the feat, name the first spacecraft to accomplish it, for the stated number of points:

A. For 5 points--leaving the solar system

answer: Pioneer 10

B. For 5 points--orbiting another planet.

answer: Mariner 9

C. For 10 points--returning data from the surface of another planet

answer: Venera 7

D. For 10 points--photographing the far side of the moon

answer: Luna 3

10. Identify the following ex-athletes prominent in American literature, for 10 points each:

A. Though he had been a football star in college, he injured himself jumping hurdles and had to attend Big Daddy's birthday party on crutches. His wife is like a feline on a stannous ceiling.

answer: Brick

B. He had been a star basketball player in high school, but that was his peak. In the first of four novels we see him feuding with his wife Janice, fleeing to a similar life with Ruth, returning to Janice, and then running away again.



answer: Harry "Rabbit" Angstrom (accept either)

C. Known as the "Sixty Minute Man" when he played for Georgia Tech, this man-in-full became a real estate agent, lost it all, and then wandered around the South preaching the stoicism of Epictetus.

answer: Charlie Croker (accept either)

11. Identify the following Grecian mountains that figure prominently in mythology, for 10 points each:

A. The highest peak in Greece, it was said to be the home of the gods.

answer: Mount Olympus or Óros Ólimpos

B. This limestone spur in the Pindus Mountains was home to the Castalian spring and the oracle of Delphi. It was therefore doubly sacred to Apollo.

answer: Mount Parnassus or Óros Parnassos

C. This mountain of Boeotia was, along with Parnassus, generally given as the home of the Muses.

answer: Mount Helicon or Óros Elikón

12. Given each king famous for converting in the middle of his reign, identify the religion he came to profess, for 10 points each:

A. Darius I of Persia

answer: Zoroastrianism

B. Chandragupta Maurya

answer: Jainism

C. Henry IV of France

answer: Roman Catholicism

13. In August 1966, it was launched at the Eleventh Plenum of the Eighth Central Committee. For 10 points each--

A. What was this major program designed to keep its country from following in the footsteps of the Soviet Union?

answer: Cultural Revolution or Wu-Chan Chieh-Chi Wen-Hua Ta Ke-Ming

B. Name these two politicians removed in the early days of the Cultural Revolution. The first was

President and the heir-apparent to Mao. The second was the General Secretary of the Party, whose recovery of power earned him the nickname "Rubber Ball."

answer: Liu Shaoqi

Deng Xiaoping

14. Fermion, hadron, both or neither? Given each particle, identify it as a fermion, a hadron, both, or neither. You'll earn 5 points for one, 10 points for two, 20 points for three, and 30 points for all four. The moderator will give answers at the end.

A. electron

answer: fermion

B. pion

answer: hadron

C. photon

answer: neither

D. neutron

answer: both

15. Identify these works from the moment in time that they have captured, for 10 points each:

A. The Schie River divides six people from the boats, buildings, and clock tower on the other bank. It is 7:10 in the morning.

answer: View of Delft [by Jan Vermeer]

B. The mathematical instruments on the top shelf show that it is precisely 10:30 on the morning of April 11. The rest of this double portrait is suffused with imagery of death and the transience of life.

answer: The (French) Ambassadors [by Hans Holbein the Younger]

C. It is 4:12 in the morning and the title character is alone in his study where he tends to administrative matters. He wears insignia of the Legion of Honor and the Iron Cross, two orders he founded.

answer: Napoleon In His Study [by Jacques-Louis David]

16. Aerobic respiration is generally divided into three major steps. For 10 points each--

A. Name the first step, in which glucose or glycogen is converted to pyruvic acid with a small release of ATP.

answer: glycolysis

B. Name the second step, in which the pyruvic acid becomes acetyl coenzyme A which is then converted to carbon dioxide and energy.

answer: Krebs cycle or citric acid cycle or tricarboxylic acid cycle

C. The energy produced by the Krebs cycle is principally in the form of nicotinamide adenine dinucleotide or  $\text{NAD}^+$  which is converted to ATP in this series of reactions described by the chemiosmotic theory.

answer: electron transport chain

17. Identify the following people involved in the XYZ affair, for 10 points each:

A. X, Y, and Z recommended giving a quarter-million dollar bribe to what ubiquitous French official?

answer: Charles-Maurice de Talleyrand(-Perigord), Prince De Benevent

B. This man, one of the American agents and a future vice president stayed on in France after the commission left in the hopes of securing a better deal. This act earned him the enmity of some Federalists.

answer: Elbridge Gerry

C. Appointed Minister to France in 1796, he was refused recognition and so went to Amsterdam. He returned to France as part of the committee, serving alongside Gerry and John Marshall.

answer: Charles C(otesworth) Pinckney

18. They were described in the 1922 work *Argonauts of the Western Pacific* and consisted of long canoe journeys from island to island ritually exchanging two types of objects. For 10 points each--

A. Name this phenomenon in which necklaces moved in one direction and armshells the other.

answer: kula ring

B. Name the Polish-English anthropologist who described the kula rings--true to his functional leanings--as necessary for the maintenance of social order.

answer: Bronislaw (Kasper) Malinowski

C. Malinowski observed the kula rings on these Melanesian islands.

answer: Trobriand Islands

19. On November 11, 1999, President Clinton and the Republican-led Congress settled one of the three principal issues that obstructed a final budget deal.

A. For 10 points--the issue involved the use \$1.3 billion in Federal funds for hiring and training people in this profession.

answer: teachers (accept equivalents)

B. For 10 points each--the other two remaining issues involve the U.S.'s arrears to two international organizations. Name both of them.

answer: International Monetary Fund or IMF (do not accept "World Bank")

United Nations or UN

20. Given each Shakespearean king, name his children, for 5 points each.

A. The three daughters of King Lear.

answer: Regan, Goneril, and Cordelia

B. The two sons of Duncan.

answer: Malcolm and Donalbain

C. The single son of the King of Norway in *Hamlet*.

answer: Fortinbras

21. Given the name of the character played by Ben Kingsley, name the movie, for the stated number of points:

A. For 5 points--Meyer Lansky

answer: Bugsy

B. For 10 points--Itzhak Stern

answer: Schindler's List

C. For 5 points--Cosmo

answer: Sneakers

D. For 10 points--Bruce Pandolfini

answer: Searching for Bobby Fischer

22. Given each Nigerian author, identify his tribe, for 10 points each:

A. Ken Saro-Wiwa

answer: Ogoni

B. Chinua Achebe

answer: Ibo or Igbo

C. Wole Soyinka

answer: Yoruba

23. Identify these labor-related bloodlettings, for 10 points each:

A. Russian repression reached a new depth in 1912 when troops killed 170 workers at these Siberian goldfields who were striking for higher wages.

answer: Lena Goldfields

B. English cavalymen charged this peaceful 1819 gathering of political radicals in Manchester intent on parliamentary reform. 11 were killed and 500 injured.

answer: Peterloo Massacre

C. Not so much a massacre as a pitched battle, this was fought between steelworkers seeking higher wages and Pinkerton agents in 1892.

answer: Homestead Strike (or Riot)