

ROUND 10

Technophobia 1996

Packet written by UC Berkeley

TOSS-UPS

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1. In mathematics, it is a topological space in which each point has a neighborhood homeomorphic (HO-me-oh-MORE-fick) to some Euclidean (you-CLID-ee-en) n -space. It can also refer to a pipe with one input and more than one output, like that part of a car connecting the engine and the carburetor. Finally, it is also an adjective meaning "multiple and variegated". FTP, name the eight-letter word.

ANSWER: _MANIFOLD_

2. This artist, who fathered the De Stijl art movement, is known for his use of primary colours and minimalist compositional techniques. FTP, name this artist, whose works are usually titled as "Compositions."

ANSWER: Piet _MONDRIAN_

3. In Asian art, this term can refer to a schematized representation of the cosmos, chiefly characterized by concentric geometric shapes, each of which contains an image of a deity or an attribute of a deity. In the practice of Zen, it is often simply a complex pattern which, when contemplated, helps separate one from earthly concerns. This word is also used in Jungian psychology to describe a symbol representing the effort to reunify the self. For 10 points, what is this term, which comes from the Sanskrit for "circle"?

ANSWER: _MANDALA_

4. This man had very few personal possessions; he had no permanent address, and carried with him only a suitcase filled with academic papers. At the age of 20, he came up with a simple proof that, for any positive integer n , there is a prime lying between n and $2n$. He was one of the most prolific mathematicians ever, but he may be best known for his famous quote, "A mathematician is a machine for converting coffee into theorems". For ten points, name this recently-deceased Hungarian.

ANSWER: Paul _ERDOS_ (air-dosh, but accept any reasonable pronunciation)

5. Name the man. Major Glory, from "Dexter's Laboratory"; Max, from "Mighty Max"; Raphael, from "Teenage Mutant Ninja Turtles"; Stanley Ipkiss, from "The Mask"; Arthur, from "The Tick"; Pinky, from "Pinky and the Brain"; and Yakko Warner, from "Animaniacs". FTP, name the latter-day Mel Blanc who is the voice of all these characters.

ANSWER: Rob _PAULSEN_

6. This animal has a mediocre top speed (its fastest specimens can achieve about 27 MPH), but it has terrific stamina -- indeed, given enough time, a healthy adult of this species can run down members of all but a few other species. This stamina is largely due to its effective heat-disposal system, made possible by its efficient sweat glands and relative dearth of hair (as compared with other mammals). It is thought that this heat-disposal system evolved in conjunction with the animal's abnormally large brain, which produces a great deal of heat. For ten points, name this animal, which probably hunted in packs on the African savannah before spreading across the world.

ANSWER: _HUMAN BEINGS_ (or _HOMO SAPIENS_)

7. Two answers required. In "Gossamer", a 1995 short story by Stephen Baxter, the author visualizes strings being constructed between these two astronomical bodies. These two bodies are the only objects in the solar system which are tidally locked to each other; i.e, from either of the objects, only one face of the other is ever visible. The two bodies are fairly close in size -- indeed, some astronomers consider their system a "double planet", rather than simply a planet and its single moon. For ten points, name the objects.

ANSWER: _PLUTO_ and _CHARON_

8. One of two possible answers required. Roger Maris was the only major leaguer ever to hit 61 home runs in a season. Babe Ruth, of course, was the only player ever to hit 59 and 60 home runs in a season. Only two players ever hit exactly 58 homers in a single season - one a Detroit Tiger Hall-of-Famer, the other a slugger who went on to manage the Rockford Peaches of "A League of Their Own" fame. For ten points, name either one.

ANSWER: Hank _GREENBERG_ or Jimmie _FOXX_

9. During World War II, Japanese dispatches referred to this location as "Site AF". In an attempt to determine what Site AF was, Admiral Nimitz ordered the commander at this location to broadcast a message saying that the local desalinization plant, their only source of fresh water, was broken. Sure enough, Japanese radio traffic the next day included the message "Site AF is short on water". Thus Nimitz learned the location of Site AF, the focus of the next major Japanese attack, and a task force commanded by Admiral Raymond Spruance was able to ambush the Japanese there. For ten points, name the location of this battle, considered the turning point of the Pacific naval war.

ANSWER: _MIDWAY_ Islands

10. Under normal conditions warm air near the ground rises and is replaced by surrounding air, but this condition, increasingly present in Los Angeles and similar cities, means the air near the ground is colder than air at higher levels. For ten points, name this situation where photochemical smog is trapped close to the ground by a cover of warm air.

ANSWER: Thermal _INVERSION_

11. This word can mean a small, shabby piece of merchandise, or a hobo who begs at kitchen doors, or a police office or other law enforcement agency. Closer to its common use is the definition: "a worker who is primarily loyal to the employer." FTP, give this term used as a noun or verb to describe an informant or tattler.

ANSWER: _FINK_

12. Born in the Virgin Islands in 1830, his family intended him for a career in business but he went to Paris to pursue his interest in painting. There he became a student of Corot and himself became a teacher of many artists including Gauguin, Cassatt, and Cezanne. FTP, name this Impressionist landscape artist whose works include "Red Roofs".

ANSWER: Camille _PISARRO_

13. On this occasion, one might see men playing dice on the altar, or priests dressing as choirboys and women. Popular in the Middle Ages, its chief object was to honor the ass on which Jesus entered Jerusalem, and it was celebrated on the first day of January with a procession of braying revelers. FTP, name this celebration featured in the opening of The Hunchback of Notre Dame.

ANSWER: _FEAST/FESTIVAL OF FOOLS_

14. His books contain fantasy, satire and absurd farce written with a style that reflects the mock-pomposity of his characters. His works include _The Plot That Thickened_, _French Leave_, and _The Code of the Woosters_. FTP name this man who created the absent-minded Lord Ensworth of Blandings Castle and the impeccable Jeeves.

ANSWER: Pelham Grenville _WODEHOUSE_

15. A Spanish-born American philosopher, poet, and novelist, he studied and later taught philosophy at Harvard. He divided his work into two groups: the academic, which included his work _The Life of Reason or The Phases of Human Progress_ and the poetic or personal, which included his best known work. FTP, name this author of _The Last Puritan_.

ANSWER: George _SANTAYANA_

16. This text was deciphered mainly through linguistic comparisons with the Sanskrit Rigveda. Over three quarters of it was lost when Alexander the Great conquered Persia, and what remains is a Pahlavi translation assembled during the Sassanian period. For ten points, name this text which contain hymns, called Gathas, which are said to be the words of Zoroaster.

ANSWER: _AVESTA_ (accept _ZEND-AVESTA_ as close enough)

17. This 85-year-old Arab writer has produced more than 40 novels, including The Cairo Trilogy, Midaq Alley, The Thief and the Dogs, and Autumn Quail. His 1959 book Children of Gebelawi was banned in Egypt for a time and in 1994 a Muslim militant tried to kill him because he wrote it. For 10 points, name this Egyptian author who won the Nobel Prize for literature in 1988.

ANSWER: Naguib (Nahgeeb or Nahjeeb) MAHFOUZ (mah-fooz or mah-footh)

18. His name means "beetle" in his native language because his father's people denied his mother's pregnancy and attributed the symptoms to an intestinal beetle. His and his mother's ill treatment by the Bantu people brought about his later ruthless attacks on the people of Southeast Africa. FTP, name this king of the Zulu kingdom.

ANSWER: SHAKA

19. This historical period was begun by Oda Nobunaga after the age of Sekigahara, or warring states, ended. For ten points, name this Japanese historical period lasting from 1600 to 1868.

ANSWER: TOKUGAWA Period

20. This Christian denomination, first brought to the United States in 1784, recognizes scriptural authority as interpreted by reason and experience as well as by tradition, and contains strong social activist elements. It was based on 25 Articles abridged from the Church of England's 39. For 10 points, name this denomination founded by the Reverend John Wesley in England in 1738.

ANSWER: METHODIST or METHODISM

21. For a quick ten points, which ten-letter term refers both to a shade of purple or red and to a plant such as a sunflower which orients itself to face the sun?

ANSWER: HELIOTROPE

22. This famous agreement was essentially a bargain between the Germans of Austria-Bohemia and the Magyars of Hungary, which worked to the common disadvantage of the Slavs in the region. As one of the primary Austrian negotiators Count Beust put it, the Germans and Magyars should each thereafter govern their own barbarians in their own way. However, in such matters as weights, measures, coinage and postal service, the two kingdoms would be unified. For 10 points, give the name of this compromise which established the Dual Monarchy of Austria-Hungary.

ANSWER: COMPROMISE OF 1867

23. In New York, William Kemmler becomes the first prisoner to be executed by electrocution, Jacob Riis publishes How the Other Half Lives about life in city slums, Ellis Island is opened to replace Castle Garden as the New York immigration depot, the Sherman Antitrust

Act begins a federal effort to curb monopolies, and the last major conflict between Indians and US troops, the Battle of Wounded Knee, takes place. For 10 points, name the year in which all of these events occurred.

ANSWER: _1890_

24. On December 10, 1508, Emperor Maximilian I, Louis XII of France, Ferdinand II of Aragon and Pope Julius II formed this alliance, supposedly against the Turks, but actually to check the growing power of Venice. As a result, in 1509, the French defeated the Venetians at Agnadello, Maximilian took Venetia and concessions were made to Ferdinand and Julius. For ten points, name this union of convenience which was dissolved in 1510 when Pope Julius abandoned his allies and went over to Venice.

ANSWER: _LEAGUE OF CAMBRAI_

25. _A Theory of Price Control_, _The New Industrial State_, and _The Affluent Society_ are all, FTP, the works of what economist?

ANSWER: John Kenneth _GALBRAITH_

26. Though born 1577 in Siegen, Westphalia, this artist spent most of his time in Antwerp after brief stays in Cologne and Italy. Known for his love of antiquity, he was a scholar and diplomat as well as an artist. FTP, name this artist famous for his paintings of well-endowed women.

ANSWER: Peter Paul _RUBENS_

27. This city, opposite Gibraltar and with a rock of its own, was probably founded by the Phoenicians. It gained prominence during the Almohad period as a port city of much greater importance than Tangier, and benefited greatly from the "brain drain" of Andalusian Muslims during the Reconquista in the 13th century. After the fall of the Almohads, this city became an entrepot for Genoese merchants between the Mediterranean and the Atlantic ports of Flanders. For 10 points, name this city, now under Spanish rule.

ANSWER: _CEUTA_

28. He ruled Egypt from 1375 to 1358 BC and moved the capital to Tel-El-Amarna. FTP, name this pharaoh who strove to create a monotheistic religion based on the Sun God Aton.

ANSWER: _AKHNATEN_ or _AMENHOTEP_IV_ or _AKHENAHTEN_

29. For a quick ten points, name this French Romanticist painter who is best known for his painting of the _Raft of the Medusa_

ANSWER: Theodore _GERICAULT_

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BONUSES

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1. (30) For ten points each, name the largest naval battles (in terms of number of ships involved) in each of the following wars:

a. The second Persian invasion of Greece, 480 BC:

ANSWER: _SALAMIS_

b. World War I

ANSWER: _JUTLAND_

c. World War II

ANSWER: _LEYTE_ Gulf

2. The films of Akira Kurosawa had inspired some American films. Given the Kurosawa film, name the American film which it inspired for 10 points each.

a. Yojimbo ANSWER: _A FISTFUL OF DOLLARS_

b. The Hidden Fortress ANSWER: _STAR WARS_

c. The Seven Samurai ANSWER: _THE MAGNIFICENT SEVEN_

3. (30) It's time, once again, for Geographical Anagrams! Given a definition of a word, scramble the word's letters to form the name of a state of the U.S., for the designated number of points.

a. (5) High, in French.

ANSWER: _UTAH_ (haut not acceptable)

b. (5) A type of Japanese cartooning

ANSWER: _MAINE_ (anime not acceptable)

c. (10) Stretches, as in one's capabilities

ANSWER: _TEXAS_ (taxes not acceptable)

d. (10) Proposes for office

ANSWER: _MINNESOTA_ (nominates not acceptable)

4. (30)

a. (15) Simply stated, it asks whether there is a set whose cardinality is strictly between that of the integers and that of the real numbers. Name this famous mathematical question for 15 points.

ANSWER: The _CONTINUUM HYPOTHESIS_

b. (15) For another 15, who proved in the 1960s that the Continuum Hypothesis was undecidable under Zermelo's formulation of set theory?

ANSWER: Paul _COHEN_

5. Given a famous quote by a scientist, name the scientist for the designated number of points.

a. (5) The Lord God is subtle, but never malicious.

ANSWER: Albert _EINSTEIN_

b. (10) The opposite of a profound truth may well be another profound truth.

ANSWER: Neils _BOHR_

c. (15) I bet the human brain is a kludge.

ANSWER: Marvin _MINSKY_

6. Given the definition of a word in Ambrose Bierce's "The Devil's Dictionary", name the word for ten points each. And remember, Bierce's nickname was "bitter."

a. "The eleventh twelfth of a weariness."

ANSWER: _NOVEMBER_

b. "Enough."

ANSWER: _ONCE_

c. "A familiar kitchen-garden vegetable about as large and wise as a man's head."

ANSWER: _CABBAGE_

7. The unassisted triple play is one of the rarest feats in baseball.

Answer these questions about it.

a. (10) Who was the last player to perform the feat? You'll get five if you need his team and position.

(5) Boston Red Sox, shortstop

ANSWER: John _VALENTIN_

b. (10) Before John Valentin, who was the last player to have an unassisted triple play? Once again, you'll get five if you need his team and position.

(5) Philadelphia Phillies, second base

ANSWER: Mickey _MORANDINI_

c. (10) This Cleveland Indian was the only player ever to perform the feat during a World Series. He did it in 1920. For ten points, name him.

ANSWER: Bill _WAMBSGANS_

8. Name the Renaissance artist who painted these works FTP each.

a. The Miracles of St. Anthony, Judith and Holofernes, The Dance of Salome

ANSWER: _DONATELLO_

b. Madonna on the Rocks and Lady with an Ermine

ANSWER: Leonardo _DA VINCI_ (also accept _LEONARDO_)

c. The School of Athens

ANSWER: _RAPHAEL_

9. For 10 points each, answer the following questions about Ethiopia:

A. This emperor succeeded John IV after he died in battle in 1889, and he immediately made a treaty with Italy which, due to poor translation, led to a war in 1896 in which he soundly defeated the Italian army.

ANSWER: _MENELIK_ II (MEH-neh-lick or anything close)

B. Menelik's successor, this man integrated the various parts of his empire into a cohesive Ethiopian state. He also drafted a constitution and reduced the power of the Church. He ruled Ethiopia from 1930 until a military coup ousted him in 1974.

ANSWER: Haile _SELASSIE_ (high-lee sa-lah-see)

C. Members of this religious group, prevalent in Jamaica, see Haile Selassie as their savior, even though he refused to see its representatives when they came to worship him. That's okay, since according to them he wasn't supposed to be aware of his religious significance anyway. Name this offshoot of Christianity whose members believe that Ethiopia is heaven on earth.

ANSWER: _RASTAFARIANISM_

10. Identify these "C" words from biology for ten points each.

a) A yellowish structure in the ovary that secretes estrogen and progesterone.

ANSWER: _CORPUS LUTEUM_

b) Hairlike locomotory organelles on the surface of a cell.

ANSWER: _CILIA_

c) From the Greek for "sheath-feather," a sheath around the young shoot of grasses.

ANSWER: _COLEOPTILE_

11. The Rossettis were some of the original members and perhaps the driving force of the Pre-Raphaelite brotherhood. Identify each from a description for ten points apiece.

a) The editor of _The Germ_, the Pre-Raphaelite brotherhood

publication; wrote memoirs of the other two literary Rossettis.

ANSWER: _WILLIAM_ Michael Rossetti

b) Known for writing ballads and mystic religious lyrics; works include "Up-Hill", "A Birthday" and "When I Am Dead".

ANSWER: _CHRISTINA_ Georgina Rossetti

c) A painter with little formal training or technical ability; also a poet with works including "Sister Helen" and "Troy Town".

ANSWER: _DANTE_ Gabriel Rossetti

12. Name the Japanese author for 10 points each, given his works.

a) Deep Spring, Foreign Studies, The Final Martyrs

ANSWER: Shusaku _ENDO_

b) The Man in the Box, The Women in the Dunes

ANSWER: Kobo _ABE_

c) Snow Country, Thousand Cranes

ANSWER: Yasunari _KAWABATA_

13. Many authors take the titles of their works from the works of others. For each of the following titles, you will get five points for identifying the source work and five points for the author of the source work.

a) The Sound and the Fury

ANSWER: _MACBETH_ by William _SHAKESPEARE_

b) For Whom the Bell Tolls

ANSWER: _DEVOTIONS UPON EMERGENT OCCASIONS_ by John _DONNE_

c) Far from the Madding Crowd

ANSWER: _ELEGY WRITTEN IN A COUNTRY CHURCHYARD_ by Thomas _GRAY_

14. 30-20-10, Identify the monarch:

30: Born in Caernarvon in Wales, he was betrothed to Margaret, the infant queen of Scotland at age five, but she died at sea the following year.

20: Made the first Prince of Wales in 1301, he gave his companion Piers de Gaveston the title of Earl of Cornwall, letting Gaveston rule when he married Isabella in 1308.

10: He ruled England from 1307 to 1327. In 1314 he was routed by Robert the Bruce at Bannockburn.

ANSWER: _EDWARD II_

15. For five points each, name the last 6 Secretaries of State before Warren Christopher.

ANSWERS: Lawrence _EAGLEBURGER_, James _BAKER_, George _SHULTZ_, Alexander _HAIG_, Edmund _MUSKIE_, Cyrus _VANCE_

16. The most famous river in China is of course the Chang Jiang, or Yangtze, since it is the 3rd longest river in the world, behind the Nile and the Amazon. But what do you know about other rivers in China? Answer these questions about other Chinese rivers on a 5-10-15 basis.

a) (5 points) The second longest river in China, its headwaters are in the Tibetan Plateau. The first agriculturally based civilization first developed in this river valley, and such cities as Xi'an (she-ahn) and Lanzhou (lahn-joe) are in its floodplain.

ANSWER: _YELLOW_ RIVER or _HWANG_ HO or _HUANG_ HE

b) (10 points) This river, not quite 500 miles long but of great economic importance, forms the current and historical political and cultural border between China and Korea. China entered the Korean War in 1950 when United Nations troops advanced northwards towards this river.

ANSWER: _YALU_ or _AMNUK_ RIVER

c) (15 points) Over 1200 miles long, it is the longest river in southern China. It flows eastward from the Yunnan highlands to the South China Sea, with a flow volume greater than the Yellow river.

ANSWER: _WEST_ RIVER or _HSI_ CHIANG or _XI_ JIANG

17. Given a brief description of its function, identify the cranial nerve for ten points each.

a) Entirely sensory, this nerve conveys nerve impulses related to smell.

ANSWER: _OLFACTORY_

b) This mixed nerve generates visceral, cardiac, and skeletal muscle movement. Its sensory fibers convey sensation from the larynx, viscera, and ear.

ANSWER: _VAGUS_

c) The smallest of the cranial nerves, it controls some movement of

the eyeball and is responsible for the awareness of muscle activity.

ANSWER: _TROCHLEAR_

18. 30-20-10 identify the painter from a list of works:

30: _The Boyhood of Icarus_, _Blank Signature_

20: _The Castle of the Pyrenees_, _Time Transfixed_

10: _The Human Condition_, _The Treachery of Images_ (This Is Not a Pipe)

ANSWER: Rene _MAGRITTE_

19. Answer these questions about the reign of Louis XIV for ten points each.

a) Name the Italian Chief Minister of France who came to power in 1642 after the death of Cardinal Richelieu and who effectively ruled France along with Louis's mother until his death in 1661.

ANSWER: Cardinal _MAZARIN_

b) This group of parliamentary lawyers and judges of Paris, whose name means "slingshot" tried in the early 1660's to check royal absolutism and resist Mazarin's desperate measures to raise money for the war against Spain.

ANSWER: _FRONDE_

c) This man, described as Louis's "evil genius" offset Colbert's productive tendencies and led the king into warlike disputes. Appointed Minister of War in 1661, he provided Louis with the best army the western world had yet seen.

ANSWER: Michel _LE TELLIER_ (leh-tel-yer) or Marquis of _LOUVOIS_ (lew-vwah)

20. In modern medical practice, three kinds of pain relieving opiates are used: those that occur naturally in the opium poppy, semi-synthetic derivatives of a natural opiate molecule, or a wholly synthetic opiate analog. For 5 points each, decide whether each of the following opiates is natural, semi-synthetic or synthetic.

1. Morphine - NATURAL
2. Heroin - SEMI-SYNTHETIC
3. Opium - NATURAL
4. Methadone - SYNTHETIC
5. Codeine - NATURAL
6. Meperidine ("Demerol") - SYNTHETIC

21. Answer these questions about _The Moon and Sixpence_ for the stated number of points.

a) For five points, name the author of _The Moon and Sixpence_.

ANSWER: Somerset _MAUGHAM_

b) For ten points, name the artist on whose life Maugham based _The Moon and Sixpence_.

ANSWER: Paul _GAUGUIN_

c) For fifteen points, name the character based on Gauguin in _The Moon and Sixpence_.

ANSWER: Charles _STRICKLAND_

22. Name the writer from works 30-20-10-5

30-- _Culture and Commitment_, _Blackberry Winter_

20-- _Male and Female_, _Ruth Benedict_

10-- _Sex and Temperament in Three Primitive Societies_

5-- _Coming of Age in Samoa_

ANSWER: Margaret _MEAD_

23. Name the social scientist from his works, 30-20-10.

30-- _The Engineers and the Price System_, _Absentee Ownership_

20-- _The Place of Science in Modern Civilization_, _The Theory of Business Enterprise_

10-- _The Theory of the Leisure Class_

ANSWER: Thorstein _VEBLER_

24. For 5 points each and an additional 5 for all correct, in what modern Near or Middle Eastern country would the majority of the following ancient regions or kingdoms be found?

1. Lydia ANSWER: _TURKEY_

2. Magan ANSWER: _OMAN_

3. Dilmun ANSWER: _BAHRAIN_

4. Sumer ANSWER: _IRAQ_

5. Elam ANSWER: _IRAN_

25. Her husband was mysteriously assassinated after giving her the power of Regent of France. She was exiled by her son and advisor. Later, after returning to France she commissioned a Cycle of her life from the artist Peter Paul Rubens. For 30 points, give her first and last name.

ANSWER: _MARIE DE MEDICI_

26. For 30 points, all or nothing, what particular hallucinogen is occasionally prescribed under the name Sernylan and may also be used a

veterinary anesthetic?

ANSWER: _PCP_ or _PHENCYCLIDINE_