

Finals Round 2
Technophobia 1996

Toss-ups
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1. His original surname was Yaroslavich. He only gained his better known name after defeating a Swedish invasion while prince of Novgorod. He continued to fight the Swedes and the Germans, but submitted to the Mongols. In fact, it is for collaborating with the Mongols that he was canonized. For ten points, name this man, subject of a movie by Eisenstein.

ANSWER: Alexander _NEVSKY_

2. He believed that the self is merely a portion of the organism. The relationship between the organism and the self, either congruent or incongruent, defines our mental stability. Most folks aren't so congruent and the therapist must bring them into alignment. This is accomplished by something called "unconditional positive regard." For ten points, name the leading exponent of this idea of "client-centered therapy," a leading humanistic psychologist.

ANSWER: Carl _ROGERS_

3. This phenomenon occurs wherever the local pressure in a fluid drops below the vapor pressure. It happens in high-velocity fluid flows, for instance in the water around large, high-speed propellers, and the vibration and erosion it causes are serious problems in the design of turbomachinery. For ten points, what phenomenon might you see mentioned in a Tom Clancy novel or a war movie, when the awful thumping noise betrays the position of a submarine?

ANSWER: _CAVITATION_ (accept _CAVITATING_)

4. It was written in response to claims that the sack of Rome was a consequence of the abolition of paganism by Christian emperors. In this treatise, the author asserts that Rome's fall was the result of internal moral decay and that Christianity had saved the city from complete destruction. For ten points, what is this philosophical treatise vindicating Christianity written by Saint Augustine?

ANSWER: _CITY OF GOD_

5. One actor on this show became a cocaine addict. Another actor performed in some porn videos, and then got caught trying to rob a video rental store. A third actor got robbed blind by his handlers, and is now living in relative obscurity. The father on the show has since died, perhaps of a broken heart from seeing what has happened to his co-stars. For 10 points, this describes what sitcom featuring Kimberly, Willis and Arnold?

ANSWER: _DIFF'RENT STROKES_

6. He created a minor revolution in the field of Chaucer scholarship with his book Chaucer's Knight, in which he argued that the "parfit gentil knyght" of the Canterbury Tales was actually a satirical portrait of a brutal mercenary. His interest in medieval literature is sometimes reflected in his film career. For example, he played Sir Bedevere in Monty Python and the Holy Grail, a movie he also co-directed. For ten points, name this member of the Flying Circus.

ANSWER: Terry JONES

7. It opposed the national government led by Adolphe Thiers at Versailles as too conservative and ready to accept humiliating peace terms. Its leaders wanted economic reforms and comprised radical republicans, socialists, anarchists, and Marxists. Before its defeat in 1871, members burned the Tuileries and the Hotel de Ville. For ten points, what was the name of this insurrectionary French government at the end of the Franco-Prussian War?

ANSWER: PARIS COMMUNE

8. Dragons, Express, Sea Dogs, and Stallions were losing entrants in a contest to rename this NBA team. Instead, the team will become the Wizards in 1997 because the team's owner thinks the current name is too violent. FTP, give the name of the team that plays in Landover, Maryland.

ANSWER: Washington BULLETS (prompt for more on Washington)

9. He revolutionized violin technique, producing innovations such as the use of stopped harmonics. He also composed six violin concertos and other works for the violin. He gave his first concert at the age of eleven, and began professional tours at fifteen. For 10 points, name this Italian violinist, born in 1782 in Genoa.

ANSWER: Niccolo PAGANINI

10. You may know that Murray Gell-Mann got the name "quark" from James Joyce's novel Finnegan's Wake. But obviously, when Joyce used the word "quark" he wasn't talking about subatomic particles. For a quick ten points, what is the meaning of "quark" in the line, "Three quarks for Muster Mark"?

ANSWER: A quark is a kind of cottage CHEESE

11. X-rays of this painting have shown a hidden dog and bits of a previous sketch. The fact that the canvas was previously used suggests that the artist painted this portrait for pleasure and not for a commission. The subject was the son of a merchant and friend of the painter, not a young Cavalier nobleman as you might guess from appearances. For ten points, what portrait, very closely modeled after the style of van Dyck, was painted in 1770 by Thomas Gainsborough?

ANSWER: The BLUE BOY

12. According to Aldous Huxley, it takes 64,000 of these to make a truth, but according to Lewis Carroll, it only takes 3. In his campaign speeches, Bob Dole apparently held with Carroll's school. For ten points, give this useful propaganda technique, which is also the simplest type of error-correcting code.

ANSWER: _REPETITION_ (or words to that effect)

13. Seizing power in 1993, for a few years he ruled virtually all of Asia, but in 1996 his dictatorship was finally brought down as part of the War Against Tyranny, also known as the Eugenics War. For ten points, what man of action, accompanied by a crew of 84 genetically-engineered supermen, fled from his enemies by entering cryogenic sleep aboard the DY100 class spaceship "Botany Bay"?

ANSWER: _KHAN_ Noonian Singh

14. A lawyer from Philadelphia, he attended the Stamp Act Congress in 1765, where he opposed resistance to the British crown. However, two years later he authored the "Farmer's Letters" which blasted the Townshend Acts, and he eventually joined the Second Continental Congress. For ten points, identify this moderate colonial who later represented Delaware at the Constitutional Convention.

ANSWER: John _DICKINSON_

15. Materials such as plutonium which emit this type of radiation are extremely dangerous if inhaled, because virtually all of the energy from the emitted radiation will be deposited directly into your lung tissue. However, by the same token, this form of radiation is not particularly dangerous if the source is outside your body, since the lightest shielding will protect you. For ten points, what emitted particles are made easy to stop by their charge and large radius?

ANSWER: _ALPHA_ particles
(accept _ALPHA_ emitters on an interrupt since it shows clear knowledge)

16. Benjamin Bathurst was a gentleman, a diplomat, and a suspected Napoleonic-era British secret agent. Judge Crater was a well-respected and well-known 1930's-era lawman. Ambrose Bierce was an author known for his vicious satire. Amelia Earhart was a famous female flier. For ten points, what trait do they all share?

ANSWER: _THEY ALL DISAPPEARED WITHOUT A TRACE_ (accept equivalents)

17. Telamon, Melampus, Mopsus, Peleus, Admetus, the lynx-eyed Lynceus, his quarrelsome brother Idas, Calais, Zetes, Acastus, his father Pelias, Orpheus, Atalanta, Castor, Pollux, Heracles, Jason and thirty-three others make up, for ten points, what band of heroes in Greek mythology?

ANSWER: the _ARGONAUTS_

have sworn not to carry them, but that leaves thousands of affiliates who might take money to broadcast, for ten points, what?

ANSWER: _COMMERCIALS_ for hard _LIQUOR_ (accept equivalents)

24. This country is divided into 3 districts: Cornwall, Middlesex, and Surrey. In 1942, large deposits of bauxite were discovered there; bauxite and alumina now account for almost half of all exports, making it the world's chief supplier of the ore. For ten points, identify this third largest island in the Caribbean, with its highest point at Blue Mountain Peak.

ANSWER: _JAMAICA_

18. While working on a Canadian missile called Velvet Glove, he showed that scientific instruments could survive being shot from a cannon. His dream was a supergun that could shoot satellites into orbit, but he lost his government funding and turned his skills to weapons development. In 1980 he spent a year in jail for illegally selling advanced howitzers to South Africa. Disillusioned with the Canadian and U.S. governments, he found another backer for his supergun idea: Saddam Hussein. For ten points, what brilliant aerophysicist was assassinated in Brussels in 1990, presumably by Israeli secret agents?

ANSWER: Gerald _BULL_

19. The 1887 sequel was entitled "The Discourager of Hesitancy" and also left the question unresolved. Originally called _The King's Arena_, it was so well liked at a dinner party that the author revised it and submitted it to Century Magazine. For ten points, identify this short story, in which a young man falls in love with the king's daughter and must choose between two doors, one of which leads to marriage and the other to death.

ANSWER: "The _LADY OR THE TIGER?_"

20. This king attempted to lend legitimacy to his new dynasty by claiming descent from Arthur Pendragon. The supposed Round Table in Winchester is now painted with his colors, green and white. His eldest son was called Arthur and would have ruled England as Arthur II, but died at a young age. For ten points, name this king, whose second son and successor resembled the legendary Arthur in that he ordered his wife executed for adultery.

ANSWER: _HENRY TUDOR_ or _HENRY VII_

21. In it, the author adapts an old Chinese work as a play within a play and has the story unfold in the context of entertainment performed before two Soviet collectives. Grusha, the kitchen maid, saves the life of the infant son of a governor. Following difficulties, she is awarded custody of the child by Azdak who bases his reasoning on that of Solomon. For ten points, identify this play, the last written by Bertolt Brecht.

ANSWER: The _CAUCASIAN CHALK CIRCLE_

22. This kingdom consists of about 2700 distinct species. The mode of nutrition is generally heterotrophic but some groups are autotrophic. Reproduction is primarily asexual and motile forms move by flagella. FTP, name this kingdom whose cells lack a nuclear envelope, chloroplasts and mitochondria.

ANSWER: _MONERA_

23. This past June in Corpus Christi, Texas, one was aired on television -- the first one ever on American television since they were prohibited by a voluntary ban in 1948, an extension of an even earlier voluntary ban that applied to radio. The four major networks

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Bonuses
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1. Given an actress, identify the James Bond movie in which she appeared, for five points each.

- a) Kim Basinger. ANSWER: _NEVER SAY NEVER AGAIN_
- b) Jane Seymour. ANSWER: _LIVE AND LET DIE_
- c) Diana Rigg. ANSWER: _ON HER MAJESTY'S SECRET SERVICE_
- d) Honor Blackman. ANSWER: _GOLDFINGER_
- e) Ursula Andress. ANSWER: _DR. NO_
- f) Carole Bouquet. ANSWER: _FOR YOUR EYES ONLY_

2. Given a famous snippet, name the writer for ten points each.

- a) Gather ye rosebuds while ye may / Old Time is still a flying

ANSWER: Robert _HERRICK_

- b) Was this the face that launch'd a thousand ships /
And burnt the topless towers of Ilium?

ANSWER: Christopher _MARLOWE_

- c) Ships that pass in the night, and speak / Each other in passing, only a
signal shown / and a Distant Voice in the Darkness...

ANSWER: Henry Wadsworth _LONGFELLOW_

3. Answer the following about the saga of Gilgamesh for ten points each.

- a) What wild man who lived among the animals became Gilgamesh's friend and companion?

ANSWER: _ENKIDU_

- b) What demon did Gilgamesh and Enkidu battle in the Land of the Cedars?

ANSWER: _HUMBABA_ or _HUWAWA_

- c) After the death of Enkidu, Gilgamesh set out to learn the secret of immortality from what man?

ANSWER: _UTNAPISHTIM_ (accept _ZIUSUDRA_)

4. 30-20-10: Name the 20th Century American political figure.

30-- He was born in Wallace, South Dakota on May 27, 1911, and became the Senate's Assistant Democratic Leader in 1961.

20-- Serving in the Senate from 1948 to 1964 and 1970 to 1978, he

became associated with progressive legislation such as the Civil Rights Act of 1964 and a nuclear test ban treaty.

10-- He was mayor of Minneapolis from 1945-48, and was one of the few presidential candidates not to get a bounce in the polls from his national convention.

ANSWER: Hubert H. _HUMPHREY_

5. Answer these questions about biochemistry for 10 points each.

a) This class of natural or synthetic compounds is characterized by a molecular structure of 17 carbon atoms arranged in four rings.

ANSWER: _STEROIDS_

b) It is a general term for an organic substance that is produced in one part of a multicellular organism and is able to exert effects on other, sometimes far distant, parts. Steroids are a major class of these compounds.

ANSWER: _HORMONES_

c) This compound, synthesized primarily in the liver, is the central precursor of all steroid hormones secreted by the testes, the ovaries, and the adrenal glands, as well as Vitamin D.

ANSWER: _CHOLESTEROL_

6. For ten points each, identify the following battles of the Civil War, all of which were fought in 1863.

a) On September 19th, A Union force led by the blundering general William Rosencrans was defeated at this creek. They then retreated to Chattanooga where Rosencrans was replaced by George Thomas.

ANSWER: _CHICKAMAUGA_

b) On this battle, fought from May 1-4, Stonewall Jackson was shot and killed by his own men.

ANSWER: _CHANCELLORSVILLE_

c) After this battle, fought in Mississippi, the Union succeeded in completely encircling the Confederacy.

ANSWER: _VICKSBURG_

7. 30-20-10, identify the athlete:

30: Born in 1923, he first took up boxing as a serviceman during World War II, turning professional in 1947.

20: The Brockton native made his name when he defeated former world champion Joe Louis in 1951. He won the heavyweight title by beating

Jersey Joe Walcott the following year.

10: He retired in 1956 as the only undefeated heavyweight champion. Resisting any temptation to make a comeback, he died in a plane crash the day before his 46th birthday.

Answer: Rocky _MARCIANO_

8. Complex analysis, the specialty of Unabomber suspect Theodore Kaczynski. Answer the following complex analysis questions for ten points each.

a) Whose theorem states that any function analytic on a region of the complex plane except at a set point A can be written as a series of powers of $(Z-A)$, including negative powers?

ANSWER: _LAURENT_ (accept Laurent series)

b) Give the first four terms, all or nothing, of the Laurent series of $e^{1/z}$ ["e to the 1 over z"] expanded around $z = 0$.

ANSWER: $1 + 1/z + 1/(2z^2) + 1/(6z^3)$

(accept 3 factorial as well as 6 in the denominator of the fourth term)

c) What is the integral of $e^{1/z}$ ["e to the 1 over z"] around a closed loop that winds counterclockwise around $z=0$ exactly once?

ANSWER: $2\pi i$

9. Identify the book, 30/20/10:

30-- This book was published in 1911, and it has entered the public domain in the U.S. But in Britain, it has not entered the public domain, and it never will. The copyright was extended to perpetuity by a special Act of Parliament.

20-- The British copyright is owned by the Great Ormond Street Children's Hospital.

10-- The author of the book was James Matthew Barrie.

ANSWER: _PETER PAN_ or _PETER AND WENDY_ or _PETER PAN AND WENDY_

10. Sergei Rachmaninoff was the last of the great Russian Romantics. Identify these compositions by Rachmaninoff for ten points each.

a) It is his most famous work, from the Opus 3 composition _Five Works for Piano_, and vaulted him to stardom.

ANSWER: _PRELUDE IN C-SHARP MINOR_

b) This Opus 18 work was dedicated to psychiatrist Nikolay Dahl who restored Rachmaninoff's confidence in himself, was written in C minor,

and is his most popular lengthy orchestral work.

ANSWER: _SECOND PIANO CONCERTO_ or Piano Concerto _#2_

c) This choral symphony was based on Konstantin Balmont's translation of Edgar Allen Poe's poem bearing the same name.

ANSWER: The _BELLS_

11. 30-20-10: Name the island.

30-- Of volcanic origin, it was discovered on May 21, 1502, and was known only to the Portugese until 1588. May 21 is the feast day of the mother of the Roman emperor Constantine.

20-- The Dutch occupied it briefly, but since 1673 it has been British. The only city and port on the island is Jamestown.

10-- Its most famous resident resided at Longwood on this island from 1815 until his death in May, 1821.

ANSWER: _ST. HELENA_

12. For 10 points each, given an Academy-Award winhing Best Song, name the film in which it appears.

a) "Evergreen"

ANSWER: A _STAR IS BORN_

b) "I Just Called to Say I Love You"

ANSWER: The _WOMAN IN RED_

c) "Que Sera, Sera"

ANSWER: The _MAN WHO KNEW TOO MUCH_

13. Caltech Nobel Laureates II:

1) Unlike any of the men from the first question, this one is still alive, but is no longer at Caltech, having moved to the Santa Fe institute to work on decoherence and quantum cosmology.

ANSWER: Murray _GELL-MAN_

2) He was awarded the 1933 Nobel prize for Physiology or Medicine for his pioneering work with Drosophila, which showed that linked genes were inherited together on chromosomes.

ANSWER: Thomas Hunt _MORGAN_

3) He won the Nobel for the effect that bears his name, which allows resonant absorption of gamma rays by nuclei imbedded in solids,

producing very narrow absorption lines.

ANSWER: Rudolf _MOSSBAUER_

14. During the height of the Cold War, an American pilot was shot down over the Soviet Union on May Day, 1960. Answer questions about the U-2 affair for the stated number of points.

a) For 5 points, name the pilot of the downed U-2 who was sentenced by the Soviets to 10 years' confinement.

ANSWER: Francis Gary _POWERS_

b) For 10 points, name the Soviet spy who was returned to the USSR in exchange for Powers' release.

ANSWER: Rudolf _ABEL_

c) For 15 points, name the Ukrainian city where Powers was shot down.

ANSWER: _SVERDLOVSK_ or _YEKATERINBURG_ or _EKATERINBURG_

15. For 10 points each, state the novel in which each of these characters plays a prominent role.

a) Oliver Mellors

ANSWER: _LADY CHATTERLEY'S LOVER_

b) Michael Henchard

ANSWER: _THE MAYOR OF CASTERBRIDGE_

c) Lyov Nikolayevitch Myshkin

ANSWER: _THE IDIOT_ (accept close equivalents, since this is a translation)

16. News of the weird: a 6 year old was recently accused of an unusual crime for a first grader. For ten points each, name this boy, his home state, and his alleged crime.

ANSWER: Jonathan _PREVETTE_, _NORTH CAROLINA_,
SEXUAL HARASSMENT or _KISSING A GIRL_ (accept equivalents)

17. The ancient Romans were fond of equating their pantheon of gods with the gods of other peoples they met. You would probably have no difficulty matching Roman and Greek gods, but, in Roman eyes, how did the Germanic gods correspond to the Roman pantheon? Given a Norse god, provide the Roman counterpart for ten points each. The moderator will not reveal the answers until the whole bonus is complete.

a) Odin. ANSWER: _MERCURY_ [Yes, Mercury! See Tacitus.]

b) Thor. ANSWER: _JUPITER_

c) Tyr. ANSWER: _MARS_

[Writer's note: An interesting remnant of this correspondence can be seen in weekday names. Wednesday, Thursday, and Tuesday are Mercredi, Jeudi, and Mardi in French, for example. -- RJM]

18. We all know that Vitamin C deficiency causes scurvy. You'll get 10 points each if you can identify these vitamin deficiency diseases from a description of their symptoms and the vitamin.

a) Vitamin D deficiency, it causes deformities of the rib cage and skull and bowlegs.

ANSWER: _RICKETS_

b) Vitamin B1 (thiamine) deficiency, it causes muscular weakness, numbness in the limbs, swelling of the heart, and leg cramps.

ANSWER: _BERIBERI_

c) Vitamin B3 (niacin) deficiency, its symptoms include rapid sunburn upon minimal exposure to sunlight, and a swollen tongue.

ANSWER: _PELLAGRA_

19. Answer the following questions about Asian geography for the stated number of points.

a) (5 points) What lake, fed by the Selenga and Birguzin rivers, is the deepest freshwater lake in the world?

ANSWER : Lake _BAIKAL_

b) (10 points) Lake Baikal's lone outlet is the Lower Angara river, which is a chief tributary of what other major Asian river?

ANSWER : _YENISEI_

c) (15 points) At the meeting of the mouth of the Lower Angara and the lake sits what city, Baikal's main port?

ANSWER : _LISTVYANKA_

20. The woman who has been prime minister of Norway for ten of the past 15 years resigned recently.

a) For ten points, what is her name?

ANSWER: Gro Harlem _BRUNDTLAND_

b) For another ten points, what is the name of her political party?

ANSWER: _LABOUR_ Party

c) For a final ten points, who now succeeds her as prime minister?

ANSWER: Thorbjørn _JAGLAND_

21. Identify the following Renaissance artists for ten points each.

a) Living from 1430 to 1516, he made Venice a great center of Italian art with his many altarpieces including "St Francis in Ecstasy" and his now-destroyed paintings for the Great Council chamber.

ANSWER: Giovanni _BELLINI_

b) Perhaps the greatest sculptor of the Renaissance, he became chief architect of St. Peter's in 1629 after the death of Carlo Maderno. His most famous work depicts the Spanish Carmelite Teresa of Avila having her heart pierced by an arrow.

ANSWER: Gian Lorenzo _BERNINI_

c) By his own account, this mannerist shot the Prince of Orange while defending Rome in 1527, and was absolved by the Pope for killing a rival goldsmith. Most of his works were melted and only the saltcellar of Francis I has been authenticated as his.

ANSWER: Benvenuto _CELLINI_

22. Answer these questions about Homer's Odyssey for the stated number of points each.

A) (5) After being away for 20 years, Odysseus finally returns home to this island.

ANSWER: _ITHAKA_

B) (5) Odysseus' wife, she is sought after by numerous suitors, but refuses them and remains faithful to Odysseus during his long absence.

ANSWER: _PENELOPE_

C) (5) Odysseus' son, he helps Odysseus exact his revenge on the insolent suitors who had been harassing Penelope.

ANSWER: _TELEMAKHOS_

D) (5) One of the most prominent suitors of Penelope, he is the first to be killed, as Odysseus shoots an arrow into his throat.

ANSWER: _ANTINOOS_

E) (10) Shakespearean plays were written in iambic pentameter. For 10 points, in what poetic meter were the Odyssey and the Iliad composed?

ANSWER: _DACTYLIC HEXAMETER_

(5 points for either _DACTYLIC_ or _HEXAMETER_)

23. Answer these questions about the Opium Wars for the stated number of points.

a) (5 points) Name the two countries which defeated Manchu China in the second Opium War.

ANSWER: _BRITAIN_ and _FRANCE_

b) (10 points) The defeated Chinese signed this harsh settlement on August 29, 1842 to end the first Opium War.

ANSWER: Treaty of _NANKING_

c) (15 points) The second Opium War is often known by this name, a reference to the British ship which was boarded by Chinese officials to provoke fighting.

ANSWER: _ARROW_ War

24. Name the social theorists for ten points each.

a) This couple produced a study of the public and private life of a typical small town in their 1929 book, "Middletown."

ANSWER : Robert and Helen _LYND_

b) Along with Reuel Denney and Nathan Glazer, this lawyer and sociologist described the "other-directed" world of American society in "The Lonely Crowd," published in 1950.

ANSWER : David _RIESMAN_

c) This sociologist studied the fragmentation of community in America in 1985's "Habits of the Heart."

ANSWER: Robert Neelly _BELLAH_