

1990 MASTERS ACADEMIC BUZZER COMPETITION

Round by: Adil Hoxha and Jubilant Albanians

IQ's

1. Yoknapatawpha County is no Land of the Lost, and you certainly won't find any Sleestax there--though some might argue there are a few dinosaurs--but you will find this curious story in the body of William Faulkner's works. For 10 points, what is this grim 1935 story about barnstorming aviators whose title refers to the markers used in prop plane racing?

Answer: Pylon

2. During World War I he was appointed Minister of Air and formed the RAF--a surprising amount of responsibility for a man who had fought against the British fifteen years before. A leading figure at the Versailles and San Francisco Conferences, he was more highly regarded in world opinion than in his own country, where his moderate views earned the enmity of the more radical Afrikaner factions. For 10 points, who was this colleague of Louis Botha and Prime Minister of the Union of South Africa from 1919-1924 and 1939-1948?

Answer: Jan Smuts

3. It may be realized with two NAND gates, the output of one gate becoming the "A" input of the other whose own output becomes the "B" input of the first. An integrated circuit element whose two outputs are complementary and which remains in a given state until an input trigger signal produces a change in state, for 10 points, what is this basic computer element used to store one bit of data in the central processor unit?

Answer: flip-flop

4. According to Norse mythology, he was a giant who, despite his race's enmity with the gods, was allowed to live in Asgard. During a conflict with the Vanir, however, the Aesir sent him to them as a hostage, whereupon the Vanir cut off his head. Odin, though, breathed life back into the head and consulted it for its wisdom on important occasions. For 10 points, who was this giant who was the keeper of Odhrerir (OAD-reh-REAR), the magic well of wisdom at the roots of Yggdrasil, and to whom Odin gave one of his eyes that he might drink of Odhrerir?

Answer: Mimir

5. Its principal city is Hadibu and it is separated from the northeastern tip of Somalia by the Ras Asir. For 10 points, what is this island-possession of the People's Democratic Republic of Yemen at the mouth of the Gulf of Aden?

Answer: Suqutra, or Socotra

6. According to a 1939 short story by Bertolt Brecht, at the first sign of the enemy at the 424 B.C. battle of Delium, he turned tail and ran, only to be painfully pierced in the foot by a sharp thorn. Unable to flee further, he focused his pain into bellowing orders for troops to advance, throwing the confused enemy into a panic and turning the tide of battle in the favor of the Athenians, whereupon he was offered the laurel of a hero which he, of course, refused. For 10 points, who was this Athenian cobbler, the son of a mid-wife, whose salvation of the Athenian leader Alcibiades at Delium contributed to his eventual condemnation in 399 B.C.?

Answer: Socrates

7. In 1949, the Portuguese neurologist Egas Moniz won a Nobel Prize for his development of this technique - a technique which was eventually used on tens of thousands of people, including a retarded sister of John F. Kennedy. For 10 points, what was this now-discredited operation in which everything from needles to ice picks was used to control violent behavior by destroying part of the brain's frontal lobe?

Answer: lobotomy

8. When he was elected Vice President of the United States, by a special act of Congress he was allowed to take his oath of office in Cuba where he had gone for his health. He was never able to serve, however, dying at his Alabama home just 25 days after taking office. For 10 points, who was this statesman and five-time senator whose vice-presidency under Franklin Pierce is the shortest on record?

Answer: William Rufus Devane King

9. It has a value of  $0.927 \times 10^{-20}$  ergs/gauss and is equivalent to  $eh/4\pi mc$ . For 10 points what is this important physical quantity which measures the magnetic moment of the electron?

Answer: Bohr magneton

10. In the 1934 version, Edna Best plays a markswoman who picks off kidnapper Peter Lorre on a balcony when the police are afraid to shoot. In the 1956 version, Doris Day can only sing "Que Sera Sera." For 10 points, what is this twice-made Hitchcock classic about the adverse consequences of discovering espionage secrets?

Answer: "The Man Who Knew Too Much"

11. On October 14, 1806 the French First Corps under Marshal Davout (dah-VOO), assigned to protect the advance of the main French army, was attacked by a Prussian force over twice its size. After desperate fighting, the demoralized Prussian troops withdrew. For 10 points, name this battle, which, combined with Napoleon's victory over another Prussian force that day at Jena, led to the collapse of Prussian and assured France's mastery of Europe.

Answer: Auerstadt (accept Jena-Auerstadt on an early interrupt)

12. Born in Bologna in 1879, this composer studied with Nikolai Rimsky-Korsakov before becoming a professor in the Italian capital. A master of orchestral color, he is remembered today for but a handful of works, including "The Birds" and "Ancient Airs and Dances." For 10 points, who was this important Italian composer of the early twentieth century who is most famous for his symphonic "triptych" comprised of "Roman Festivals," "The Fountains of Rome," and "The Pines of Rome?"

Answer: Ottorino Respighi

13. It begins with a discussion of the author's views on analytical thinking and contains his famous conclusion that checkers is superior to chess as a measure of analytical thinking because victory is less likely to result from superior analysis. After this minor diversion, the author then introduces us to his detective and explicates the case of a homicidal ape. For 10 points, what is this Edgar Allen Poe short story featuring C. Auguste Dupin?

Answer: The Murders in the Rue Morgue

14. Although the Congress failed to achieve the majority necessary to pass a Constitutional amendment and thus reverse the U.S. Supreme Court opinion in the recent flag-burning case, such amendments were quite common in the 18 and 19th centuries. Because of the uproar which arose following the case of *Chisholm v. Georgia*, Congress passed and the states ratified an amendment preventing a state from being sued by its own citizens or those of another state. For 10 points, what is the number of this still significant amendment ratified in 1798?

Answer: Eleventh Amendment

15. Samuel Clemens, a.k.a. Mark Twain, of course, wrote *The Celebrated Jumping Frog of Calaveras County*, but this man wrote the somewhat similarly-titled 1971 thriller, *The Case of the Midwife Toad*--a fictional account of the 1926 suicide of an Austrian biologist whose experiments in evolution incurred the wrath of the international scientific community. For 10 points, who is this Hungarian-born author of other politically and socially critical novels such as *Ghost in the Machine*?

Answer: Arthur Koestler

16. Granted customs exemptions by Frederick Barbarossa in 1189, this north German city flourished, and in the next century helped to form the Hanseatic League. Located near the mouth of the Elbe River, it was the birthplace of Johannes Brahms. For 10 points, what is this vitally important West German port city which lends its name to a popular American fast food?

Answer: Hamburg

17. Although his realistic novels of provincial Staffordshire were decidedly unfashionable for two generations following his death from typhoid in 1931, interest has revived since the publication of his biography of Margaret Drabble in 1974. For 10 points, who was this author of the *Clayhanger* series, the *Five Towns* series, and *The Old Wives' Tale*?

Answer: Arnold Bennett

18. Despite her lack of any science education, SHE was supposed to have written "Research in the Fields of Systems and Characteristics of Macromolecules." HIS "On the Way of Building Up the Multilaterally Developed Socialist Society" was in thirty-two volumes with an average length of seven hundred pages. Despite its desperate need for books, however, their country's national library pulped every copy of their alleged works earlier in 1990. For 10 points, what was this dictatorial former first couple of Romania?

Answer: the Ceausescu's

19. It was originally performed in 1922 using a beam of silver atoms, but in a prototype of this experiment, a beam of electrons with an isotropic distribution of dipole orientations is passed through an inhomogeneous magnetic field. For 10 points, what is this experiment, important to the physical understanding of quantum theory, in which a particle beam is polarized by a magnetic field into spin-up particles and spin-down particles?

Answer: Stern-Gerlach Experiment

20. During the Roman civil wars of the mid-first century B.C., he rallied the Numidian chieftain Juba I at Africa's capital, Utica, in support of Pompey. After the Pompeian defeat at Thapsus in 47 B.C., he held out at Utica, but in order to spare the lives of the inhabitants of the city, he committed suicide to appease the vengeful forces of Caesar. So in his honor the Uticans erected a monument in his honor on the seashore. For 10 points, who was this African advocate whose grandfather and namesake of the century before had preached the destruction of Carthage?

Answer: Cato the Younger, or Cato Uticensis

21. Constructed at the beginning of the Heian period of Japanese history, it is located about 220 miles west of Tokyo and serves as a major rail link between Tokyo and southwestern Honshu, particularly Osaka. Japan's fifth largest city, it contains a disproportionate share of Japan's architectural and cultural wealth, including the famous gold and silver pavilions and the old imperial palace. For 10 points, name this city which served as a millennium as the capital of imperial Japan.

Answer: Kyoto

22. Foreshadowed by the Virginia and Kentucky Resolutions, it was formally stated in the 1829 treatise, *Exposition and Protest*. Congress later reacted to it by passing the Force Bill, allowing President Jackson to use U.S. troops to enforce the 1828 and 1832 tariffs in South Carolina. For 10 points, name this doctrine formulated by John C. Calhoun which asserted that states could declare void federal actions which they deemed unconstitutional?

Answer: nullification

23. In his twenties he met and befriended Robert Southey, and the two concocted a plan to establish a utopian settlement based on a concept they called "Pantisocracy." Between 1790 and 1800 he produced his rather small output of poetry, including "France, An Ode." For 10 points, identify this English poet and critic famous for uncompleted works such as "Christabel."

Answer: Samuel Taylor Coleridge

24. A deputy of the National Convention during the French Revolution, he voted for the execution of Louis XVI. After the fall of his patron, Robespierre, he painted his only landscape, "View of the Luxembourg Gardens," from his jail cell. Abandoning the then prevalent rococo motifs, he returned to classical themes in "Belisarius Asking Alms" and "Andromache Mourning Hector." For 10 points, name this major exponent of French neoclassicism who practically started the movement in France with his "Oath of the Horatii."

Answer: Jacques-Louis David

25. The name's the same: the "Grey Eminence" of the German foreign office following the dismissal of Bismarck, one of the duchies whose disputed status led to two wars involving Prussia in the 1860's, and a breed of large black and white dairy cattle. For 10 points, what is the common name?

Answer: Holstein

26. During the decade of the 1940's, he served successively as a senator, Supreme Court justice, director of the Office of Economic Stabilization, head of the Office of War Mobilization, and Secretary of State. For 10 points, who was this able statesman who in 1950, was elected to succeed Strom Thurmond as governor of South Carolina?

Answer: Jimmy Byrnes

# Bonus

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CQ's

1. (30) 30-20-10, identify this American president.

- a. He was the only sitting president other than "Tricky" Dick Nixon ever to be subpoenaed.
- b. His Manual of Parliamentary Practice still substantially governs U.S. deliberative bodies and was the forerunner of the Senate and House of Representatives manuals.
- c. Since he did it, only two people have been elected president while serving as Vice President.

Answer: Thomas Jefferson

2. (30) St. Thomas Aquinas, being the Seraphic Doctor, would have no trouble with this bonus--especially where he is now. For 5 points apiece, identify the author of each of the following angelic works of literature:

- |                               |                                   |
|-------------------------------|-----------------------------------|
| a. Band of Angels             | Answer: Robert Penn <u>Warren</u> |
| b. Thor, with Angels          | Answer: Christopher <u>Fry</u>    |
| c. The Revolt of the Angels   | Answer: Anatole <u>France</u>     |
| d. Where Angels Fear to Tread | Answer: E. M. <u>Forster</u>      |
| e. Angel Pavement             | Answer: J. B. <u>Priestly</u>     |
| f. Battle of Angels           | Answer: <u>Tennessee Williams</u> |

3. (30) The Eastern Bloc nation Hungary has a legacy of great mathematicians, currently boasting Erno Rubik, the developer of the tortuous cube which bears his name. Identify each of the following countrymen of Dr. Rubik.

a. For 5 points, what Hungarian mathematician is the founder of modern game theory?

Answer: John von Neumann

b. For 10 points, what Hungarian mathematician independently created one of the earliest non-Euclidean geometries in his 1832 paper "The Absolute Science of Space"?

Answer: Janos Bolyai

c. For 15 points, what Hungarian mathematician developed the rating system used by the International Chess Federation?

Answer: Arpad Elo

4. (30) I'll name a Latin American head of government. For 5 points apiece, you name the country whose fortunes he or she directs.

- |                             |                            |
|-----------------------------|----------------------------|
| a. Fernando Collor de Mello | Answer: <u>Brazil</u>      |
| b. Violetta Chamorro        | Answer: <u>Nicaragua</u>   |
| c. Alberto Fujimori         | Answer: <u>Peru</u>        |
| d. Alfredo Christiani       | Answer: <u>El Salvador</u> |
| e. Andres Rodriguez         | Answer: <u>Paraguay</u>    |
| f. Carlos Saul Menem        | Answer: <u>Argentina</u>   |

5. (30) This is a football bonus. In fact it's a bonus about the world's biggest football tournament--and most recent one to boot--the 1990 World Cup. For 10 points apiece, demonstrate your cosmopolitan sports knowledge and identify each of these standout goal keepers from Italia '90.

a. At age 40, he set a World Cup record 125 caps, that is, appearances while leading England to fourth place.

Answer: Peter Shilton

b. He became a hero in front of his countrymen, setting a World Cup record at 518 consecutive minutes without allowing a goal for Italy.

Answer: Walter Zenga

c. The Cinderella of the Cinderella of the Cup, he replaced Nery Pumpido who broke his leg in the second match for Argentina, and stood the test of penalty kicks to lead the Argentines to a runner-up finish.

Answer: Sergio Goycochea

6. (30) Answer the following geographical questions concerning the nation of Thailand.

a. For 5 points, name all of the nations which border Thailand.

Answer: Burma, Laos, Cambodia, & Malaysia

b. For 5 points apiece, on what two bodies of water--inlets of the Indian Ocean and South China Sea--does Thailand have coastlines?

Answer: Andaman Sea & Gulf of Thailand

c. For 15 points, what narrow strip of land connects Thailand with the remainder of the Malay Peninsula?

Answer: Isthmus of Kra



7. (30) During the decade of the 70's several international poets won the Nobel Prize for Literature. This bonus tests how well you recognize their well-known poetry collections. To make it a little easier, I'll give you the years in which each poet in this bonus won his Nobel. The years are: 1970, 1971, 1974, 1975, 1977, and 1979. Now, for 5 points apiece, identify the Nobel Prize-winning poet of each of the following:

- |   |                                       |
|---|---------------------------------------|
| a. Poems with Red Light & Poems with White Light              | Answer: Vincente <u>Alexandre</u>     |
| b. The Ghost Ship & Nomad                                     | Answer: Harry <u>Martinson</u>        |
| c. The Sovereign Sun & Six and One Remorses for the Sky       | Answer: Odysseus <u>Elytis</u>        |
| d. Prussian Nights & The Kolkhaz Rucksack                     | Answer: Alexander <u>Solzhenitsyn</u> |
| e. Songs of Protest & Twenty Love Poems and a Song of Despair | Answer: Pablo <u>Neruda</u>           |
| f. The Occasions & The Storm and Other Things                 | Answer: Eugenio <u>Montale</u>        |

8. (30) 30-20-10. Identify this Englishman.

- Born in 1788, he was the son of a wealthy calico printer in Lancashire. He began his political career at the age of 21 as a Tory MP in 1809, and between 1810 and 1818 he served as undersecretary for war and colonies and chief secretary for Ireland.
- His two terms as prime minister were consumed with questions over Catholicism, Irish reform, and the repeal of the corn laws. He died from a fall from his horse after giving his final speech on the Greek question in 1850.
- Who was this prime minister from 1834-1835 and again from 1841-1846 who emancipated the Jews and instituted the Irish constabulary whose officers were named for him?

Answer: Sir Robert Peel

9. (30) For 5 points, what is the name of the 1,700-mile wide gap between the "A" and "B" rings of Saturn?

Answer: Cassini's Division

For 10 points, what is the name given to the spaces in the asteroid belt in which few or no asteroids orbit?

Answer: Kirkwood Gaps

For 15 points, in celestial mechanics, what name is given to the situation which exists when there is an exact ratio between the orbital periods of two or more orbiting bodies causing strong, periodic gravitational effects--effects which are identified as an explanation of Cassini's Division and the Kirkwood Gaps?

Answer: commensurability, or commensurate

10. (30) The Biblical patriarch Jacob had thirteen children--twelve sons and a daughter--by his two wives, Leah and Rachel, and their two handmaids. Answer the following questions about their rather mixed-up family.

- For 5 points, name both of the handmaids by whom Jacob sired children.

Answer: Bilhah & Zilpah

- For 5 points apiece, who were the two sons of Bilhah?

Answer: Dan & Naphtali

- For 5 points apiece, who were the two sons of Zilpah?

Answer: Gad & Asher

- For a final 5 points, which of the four women was the mother of Jacob's only daughter, Dinah?

Answer: Leah

11. (30) As all good academic competitors know, William Saroyan and Honore Balzac both authored works entitled The Human Comedy. For 5 points apiece, however, given two authors, give the title which they share in common.

- |   |                                  |
|---|----------------------------------|
| a. Willa Cather & Nikos Kazantzakis         | Answer: The <u>Rock Garden</u>   |
| b. Albert Camus & Feodor Dostoyevsky        | Answer: The <u>Possessed</u>     |
| c. Jean-Paul Sartre & Thomas Paine          | Answer: The <u>Age of Reason</u> |
| d. Jean-Paul Sartre & Alexander Dumas, pere | Answer: <u>Kean</u>              |
| e. Anton Chekhov & Elias Canetti            | Answer: The <u>Wedding</u>       |
| f. Lawrence Durrell & the Marquis de Sade   | Answer: <u>Justine</u>           |

12. (30) 30-20-10. Identify this artist.

- He was born in Turkish Armenia in 1905, and his real name was Vodanig Manoog Adoian. He emigrated to the United States in 1920 where he painted until he broke his neck in an automobile crash and then hanged himself to escape the pain of cancer and the heartbreak of his wife's leaving him.
- He dabbled in cubism in the 1920's, imitating Picasso, most notably in the haunting "The Artist and His Mother." He was one of the most important transition figures between 20th century, being called the last of the great surrealists and the first abstract expressionist.
- Better known for his classic pseudonym among academic buzzer competition circles, who was this artist of "Garden in Sochi" and "Mojave"?

Answer: Arshile Gorky

13. (30) This bonus tests how much attention you pay to the newspaper every day--at least to the comics page. For 5 points apiece, name the four brothers in the avant garde strip, "The Fusco Brothers."

Answer: Rolf, Al, Lance, Lars

For an additional 10 points, what is the name of the Fusco's cynical talking wolverine?

Answer: Axel

14. (30) Listen carefully to the following cryptogrammatic, anagrammatic, epigrammatic verse and identify the novel of which it hints for 25 points: "Home over the range/where the reed and the epolante yalp/where often is heard/a discouraging word/and clouds cover the Southern Alps."

Answer: Erewhon

Now, for 5 additional points, what 19th century English novelist wrote Erewhon?

Answer: Samuel Butler

15. (30) For 5 points apiece, what are the names of the physical units of measure defined in the following terms [Reader: just read 'em like they look!]:

a. one Newton per Ampere-meter

Answer: one Tesla

b. one Joule per Coulomb

Answer: one Volt

c. one Coulomb per Volt

Answer: one Farad, or Faraday

d. one decay per second

Answer: one Becquerel

e. one kilogram-meter-squared per second-cubed

Answer: one Watt

f. one Volt-second per Ampere

Answer: one Henry

16. (30) Name the twentieth century English author of each of the following series of novels.

a. For 5 points, Strangers and Brothers

Answer: C. P. Snow

b. For 10 points, Sword of Honor

Answer: Evelyn Waugh

c. For 15 points, A Dance to the Music of Time

Answer: Anthony Powell

17. (30) Identify each of the following functional groups as [read slowly] an activating ortho, para director; a deactivating ortho, para director; a meta director; or a cyclo director for 5 points apiece. An additional 5 points are yours if you get all five correct.

a. Fluorine atom

Answer: Deactivating ortho, para director

b. COOH

Answer: Meta director

c. OH

Answer: Activating ortho, para director

d. NH<sub>2</sub>

Answer: Activating ortho, para director

e. NO<sub>2</sub>

Answer: Meta director

18. (30) These days it seems that anything is possible in Eastern Europe - even the restoration of the monarchy. For 10 points apiece, given a pretender to the throne of a country in the erstwhile Soviet bloc, name the nation which he aspires to rule.

a. Simeon

Answer: Bulgaria

b. Leka

Answer: Albania

c. Michael

Answer: Romania

19. (30) According to legends of the Cayuga and Cheyenne Indians, a group of Indian maidens travelling together were discovered and chased by several ravenous bears. After miles of flight, the exhausted young women were about to fall prey to the bears when the Great Spirit took pity on them and raised the ground on which they were standing several hundred feet into the sky. Eventually, the maidens were lifted into the heavens where they remain even today, while the butte formed by the raising of the ground they were on still bears the scratches the bears made on it while trying to reach the maidens. For 10 points apiece, what constellation and what western US landmark are explained by this legend?

Answer: constellation: Pleiades; landmark: Devil's Tower

For a final 10 points, what U.S. president made Devil's Tower in Wyoming the nation's first national monument?

Answer: Theodore Roosevelt

20. (30) Macrophages go by different names depending on their location in the human body. For 10 points apiece, give the name of each of the following types of corporal macrophages.

a. What are macrophages called when they reside in the bloodstream?

Answer: monocytes

b. What are macrophages called when they invade tissue?

Answer: histiocytes

c. What name is given to macrophages located in the liver?

Answer: Kupffer cells

21. (30) 30-20-10 Identify this historical figure.

a. Born in 115 B.C., he died in 53 B.C. during an invasion of Parthia.

b. Along with Pompey he suppressed the Spartacus slave revolt.

c. He was a member of the first Roman triumvirate.

Answer: Crassus

22. (30) Here are six events from the 1920's. For 5 points apiece, put them in their correct chronological order, but be careful, because a miss stops your answer. The events are: the Scopes monkey trial, the execution of Sacco and Vanzetti, the Washington Armaments Conference, the St. Valentine's Day massacre, the death of President Warren G. Harding, and Charles Lindbergh's first transatlantic flight to Paris.

Answer: 1. Conference 2. Harding's death 3. Scopes trial 4. Lindbergh's flight 5. Sacco and Vanzetti die 6. St. Valentine's Day massacre

23. (30) Match these events of the Revolutionary War with the years in which they occurred for 5 points apiece. An additional 5 points are yours, if you get all five correct. (Moderator--read slowly) The years--1775, 1777, 1778, 1780, 1781. The events-- Yorktown; Lexington; the evacuation of Philadelphia; the surrender of General Burgoyne; and Arnold's plot to surrender West Point uncovered.

Answer: Lexington--1775, Burgoyne--1777, Philadelphia--1778, Arnold-- 1780, Yorktown--1781

24. (30) By the end of 1989, five of Meryl Streep's movies had earned more than \$10 million in video rentals. For 5 points each, name any four of them. For 30 points, name all five.

Answer: "Kramer vs. Kramer", "Out of Africa", "Silkwood", "Sophie's Choice", "The French Lieutenant's Woman"

25. (30) Today everyone seems diet conscious, and a balanced diet became a hallmark of the 1980's. With the end of the '80's, though, came an end of the traditional four food groups. For 5 points apiece, prove yourself a 21st century team and name the four food groups according to Bart Simpson.

Answer: Cow group, Jungle group, Sandwich group, Butterfinger group

For an additional 10 points, according to "The Simpson's Show", what pseudonym is used by Bart Simpson when he is spray painting graffiti?

Answer: El Barto