

## TOSSUPS (3 Big Guys &amp; Steve)

MASTERS' 1990

1. The Man Damned by Jealousy. Prudence in a Woman. Proud Martha. These are among some 300 to 400 plays by one of the most prolific writers of all time. FTP name this Spaniard, whose The Love Rogue is presumed to be the original version of the Don Juan legend.

[Tirso DE MOLINA]

2. He was one of the early experts on the effects of air currents on airplanes, and in 1912 he founded the first laboratory of aerodynamics. He also designed the locks for the Panama Canal and the framework for the Statue of Liberty. FTP name this French engineer.

[Alexandre Gustave EIFFEL]

#22 3. Their name means "little bundles". Actually, they are little bundles of fibers, which in turn consist of bundles of fibrils, which can be further subdivided into sarcomeres. FTP name these small bundles of tissue found in skeletal muscles.

[FASCICULI; accept fasciculus or fascicles]

4. While at a Northumbrian monastery at Jarrow, he wrote over 30 works of grammar, theology, science, and history. FTP name this scholar who died in 735 and is best remembered for his Ecclesiastical History of the English People.

[the Venerable BEDE]

5. Alcatraz Island from late 1969 to early 1971. The headquarters of the Bureau of Indian Affairs for a few days in 1972. And Wounded Knee, S.D., for over 2 months in 1973. FTP all these sites were occupied by what militant group, founded by Clyde Bellancourt and Dennis Banks?

[AIM, or AMERICAN INDIAN MOVEMENT]

6. The name's the same for 2 characters in Greek mythology. One was a sea nymph, daughter of Nereus and Doris, who was in love with Acis but was pursued by Polyphemus the Cyclops. The other was a statue of a beautiful woman, sculpted by a king of Cyprus by the name of Pygmalion. FTP what's the name?

[GALATEA]

7. The 1960 World Series has to be one of the wildest on record. For one thing, the Yankees outscored the Pirates but lost anyway. For another, a bad-hop grounder that hit Tony Kubek in the throat gave the Pirates a chance to come back from the grave in the 7th game. And it was the only World Series ever decided by a home run in the bottom of the 9th inning of the 7th game. FTP name the light-hitting Pirates second baseman who made history with a well-timed solo home run.

[Bill Mazeroski]

They are easily some of the most curious objects in the sky. Discovered in the early 60's with equipment used to monitor nuclear testing, their origin is still a mystery. These astronomical oddities flare up, often only once, with energy outputs that rival the total output of the Milky Way. One current theory states that they are a result of thermonuclear explosions of accreted matter on the surface of neutron stars. FTP what are these mysterious objects.

ANS. Gamma-Ray Bursters

9. Her father has an Oscar as a composer. Her ex-husband has one as a songwriter. Her brother has 2 Oscars for writing and another as Best Director. She must feel pretty inferior, what with a measly 2 nominations to her credit. FTP name this actress, best known as the long-suffering Adrian Balboa. [Talía SHIRE]

10. On the 9th of Thermidor, or July 27, 1794 if you prefer, the National Convention succeeded in overthrowing its own Committee of Public Safety. With his two lieutenants, Saint-Just and Couthon, the head of the committee was sent to guillotine without benefit of trial. He could hardly complain. FTP name this revolutionary, nicknamed "the Incorruptible", who presided over the Reign of Terror. [Maximilien ROBESPIERRE]

11. In 1960 near Johannesburg, a peaceful demonstration by the African National Congress against the pass laws was fired upon by South African troops. At least 70 were killed and another 190 wounded; unofficial estimates run far higher. FTP name the site of the massacre. [SHARPEVILLE]

12. Anders became Prime Minister of Denmark in 1853. In 1819 his brother Hans noticed that a pivoted magnetic needle turned at right angles to a conductor carrying a current, thus founding the science of electromagnetism. FTP give their last name, which is also a unit of magnetic field strength. [OERSTED]

13. Because of his insufficient mathematical knowledge, he was twice rejected by the Polytechnic School and studied mining engineering instead. His father talked him into abandoning a literary career and following in his footsteps as an economist. Ironically, his greatest achievement was the creation of a mathematical model showing the interrelation of the different parts of the economy. FTP name this French economist, whose theories foreshadowed linear programming. [Leon WALRAS]

14. He shared the 1917 Nobel Prize in Literature with a fellow Dane. His 1906 work The Pilgrim Kamanita is his best-known. FTP name this poet and novelist. **[Karl GJELLERUP]**

15. Though his early works demonstrate a fondness for firm textures and sharp lines, you'd never know it from his later works. His most famous works are soft sculptures, including a giant breast, several almost forgotten animal sculptures, and a well-known giant pillow, complete with lipstick stain. FTP name this artist of "Feasible Monument" **[Claes OLDENBURG]**

16. They include the episomes, such as the sex factors, which regularly move on and off the main chromosome. Other types, such as resistance transfer factors, never form part of the chromosome and replicate independently of it. FTP name these genetic elements of bacteria, critical to genetic engineering, which can exist separately from the chromosome in the cytoplasm. **[PLASMIDS]**

17. He was regarded as the second incarnation of Jesus Christ by a small cult of followers, but then again who isn't?? He traced his lineage to a supposed liaison between the Queen of Sheba and King Solomon, but then again, who doesn't ?? He was deposed in a Marxist coup in 1973 by Mengistu Haile Meriam, which makes him unique among fallen monarchs. FTP name this Rastafarian deity and Ethiopian king. **[HAILE SELASSIE]**

18. His characters seem to be either ordinary people who are alone among the idiots, or idiots themselves. Works such as The Throwback and Vintage Stuff may never make the silver screen, but this Anglo-South African writer has at last managed to get The Misadventures of Mr. Wilt into the theaters. FTP name this genius famed for a sense of comical alienation. **[Tom SHARPE]**

19. Thales. Eratosthenes. Anaxagoras. Aristotle. Plato. Hercules. Endymion. Leibnitz. Kant. Euler. Mercator. Herschel. Humboldt. Kepler. Copernicus. FTP where can you find geographic features named for each of these?

**[the MOON]** [early buzz w/ craters: ask for more info]

20. Englishman Eric Broadley began this company in 1960 with one objective: to beat Ferrari. Two years later he succeeded, winning several endurance contests with the car he named for a woman who, according to a popular song, "got whatever she wanted." Eight years later, another popular song made race fans wonder what Broadley's car was hiding. FTP name this race car which shares its name with a famed transvestite created by Ray Davies. [LOLA]

21. A landslide in Nepal sweeps several villages and about 200 people into the Trisuli River. Spain changes the name of Spanish Guinea to Equitorial Guinea. A Funny Thing Happened on the Way to the Forum wins the Tony for Best Musical. Karl Ziegler and Giulio Natta win the Nobel Prize for Chemistry. Valentina Tereshkova becomes the first woman in space. And a not-so-funny thing happens in Dealey Plaza in Dallas. FTP what's the year? [1963]

#3 22. It was not an auspicious beginning: this actress played the very pretty secretary named Janet on several episodes of the Beverly Hillbillies, at best a forgettable role. And she wasn't exactly an Oscar contender for her work in The Fearless Vampire Killers, or Pardon Me, But Your Teeth Are in My Neck. Indeed, despite her talent, she is best remembered not for any role she played, but for the manner in which she met her untimely demise. FTP name this murder victim, killed by followers of Charles Manson. [Sharon TATE]

**BONUSES (3 Big Guys & Steve)**  
**{PLEASE READ BEFORE BONUS 1}**

**MASTERS' 1990**

To make the math simpler, we have made all the bonuses in this round 30 pts. each. Sometimes that means that different parts of the same bonus will have nothing to do with the rest of the bonus, but hey, we're supposed to be interdisciplinary, aren't we?

1. Let's imagine for a moment that you're working a crossword puzzle. You have a word to fill in; it's 4 letters long, and the 2nd letter is "A". I'll give you a definition; for 5 pts. each, give me the word which would fill that space:

- |                      |                   |                         |                    |
|----------------------|-------------------|-------------------------|--------------------|
| (a) bathe or wash    | [LAVE]            | (d) ointment or spice   | [NARD] <i>BACM</i> |
| (b) ducts {spell it} | [VASA] <i>WAS</i> | (e) edible root         | [TARO]             |
| (c) verse foot       | [IAMB]            | (f) Polynesian beverage | [KAVA]             |

2. Now that they've broken the chalice from the palace, we'll have to use something else. Identify these common liquid vessels from a chemistry lab, 10 pts. each:

(a) It's an open container with a narrow neck followed by a cone-shaped body and a flat bottom, and it is often used for titrations and extractive testing. **[ERLENMEYER FLASK]**

(b) Used for transfer of liquid from vessel to vessel, it's a slender glass tube open at both ends and generally has an expanded area at or near the center, designed to contain a specified volume of liquid. Oral suction or a bulb is used to draw fluid into the tube. **[PIPETTE]**

(c) It's a vertical glass tube, open at the top and supported on a bracket; it is equipped with scale graduation marks and a hand-operated stopcock at or near the bottom. **[BURETTE]**

3. We wrote too many bonuses for this tournament, so rather than deprive you of the pleasure of answering our questions, we decided to graft together bonuses that had nothing to do with each other. This is the first such hybrid.

(1) He replaced Elihu B. Washburne as Secretary of State after Washburne was accused of purchasing the office. We could tell you more about him, but we won't; you might like to know that descendants and namesakes of his keep turning up in Congress. In fact, there's one representing New York now. Name him for 10 pts. **[Hamilton FISH]**

(2) Identify the contemporary American songwriter given titles, 20-10-5:

(a) "Changing Opinions", recorded by Philip Glass in 1985, and "A Church Is Burning", recorded in England in 1965.

(b) "Red Rubber Ball", a hit for Cyrkle in the mid-60's.

(c) "Jonah", recorded in 1980 for the movie, One Trick Pony.

**[Paul SIMON]**

4. So close, and yet so far... One group holds the frustrating distinction of having 5 singles hit #2 on the Billboard charts without a single #1 hit. First, for 10 pts., name that group.

[CREEDENCE CLEARWATER Revival]

For 5 pts. @, name any 4 of the 5 Creedence singles to peak at #2. We're so nice, we'll give you five guesses.

[PROUD MARY GREEN RIVER TRAVELING BAND]

[LOOKING OUT MY BACK DOOR BAD MOON RISING]

5. Only 8 Special Citations in Letters have been awarded by the Pulitzer Prize committee. Answer the following for 5 pts. each:

(1) Richard Rodgers and Oscar Hammerstein II later won a Pulitzer for Drama, but in 1944 they got a special award for this musical.

[OKLAHOMA!]

(2) In 1957 he received a special citation for his historical novels, such as Northwest Passage. [Kenneth ROBERTS]

(3) His 4 volumes on George Washington didn't win in biography, but got him a special citation in 1974.

[James Thomas FLEXNER]

(4) The Pulitzer Committee had trouble deciding whether this author's 1977 bestseller was general nonfiction, history, or biography, so they gave him a special award. [Alex HALEY]

(5) In 1978 and 1984, Lifetime Achievement Awards were given to two authors who also wrote for adults but are best known for their children's classics. For 5 pts. each, name them.

[E.B. WHITE and Theodor Seuss GEISEL, or Dr. SEUSS]

6. We were supposed to write at least one bonus on philosophy, religion, mythology, or the classics, but we misunderstood the instructions. Here's a bonus on all four; 5 pts. per answer:

(1) In the 2nd century A.D., he wrote Attic Nights, a 20-volume collection of miscellany of which 18 1/2 volumes are extant. Some works by earlier authors survive only through the excerpts in this collection. For 5 pts., name this Roman antiquarian and essayist.

[Aulus GELLIUS]

(2) Name the moon goddess in the following mythologies:

(a) Greek

[ARTEMIS]

(b) Celtic

[BRANWEN]

(c) Sumerian and Babylonian

[NANNA or SIN]

(3) Located in Hancock Co., it was Illinois' most populous city with over 12,000 residents in the mid-1840's. Within 10 years it was all but deserted; after the murder of Joseph Smith in the next town, the Mormons left this city on the Mississippi. [NAUVOO]

(4) Unlike Descartes, who had considered thought and extension to be the 2 realms into which Nature is divided, he declared them to be two attributes under which we conceive Nature, which was inseparable from the Creator. Name this philosopher, whose posthumously published Ethics (1677) imitated Euclidean geometry in its form.

[Baruch SPINOZA]

Less than a year after it was first "fired up," this machine has produced its first important result--there are only three "families" of elementary particles. The accelerator's biggest detector, L3, is the baby of Nobel laureate Sam Ting, and is easily the largest and most complex detector ever built. ~~PPP~~ name the newest of CERN's "Big Machines."

ANS. LEP or Large Electron-Positron Collider

For 20 pts

8. I'll name a building; for 5 pts. each, name the architect:

- (a) The Wainwright Bldg. in St. Louis [Louis SULLIVAN]
- (b) Trinity Church, Boston [Henry RICHARDSON]
- (c) The John F. Kennedy Library [I.M. PEI]
- (d) The Larkin Bldg., Buffalo [Frank Lloyd WRIGHT]
- (e) The Pan Am Bldg., New York [Walter GROPIUS]

For an additional 5 pts., what one-hit wonder recorded the hit single "In the Summertime", perhaps the first reggae tune to appear on the pop charts?

[MUNGO JERRY]

9. This is another of our mutant bonuses.

(1) Although he died in 1962, this Columbia University sociologist had a profound influence on many leading student activists of the '60's. He insisted that social science demanded action and wrote about the new class system in postwar America in such works as **White Collar** and **The Power Elite**. For 15 pts., name him.

[C. Wright MILLS]

(2) More than fifteen million plastic soft drink bottles are manufactured annually. The man responsible for their design died July 4, 1990, aged 78. Employed by Du Pont, he was responsible for more than two dozen other plastic inventions, yet is probably destined forever to remain less well-known than his father and brother. Name this member of a justly-famous artistic family, 5 pts. for last name only or 15 pts. for first and last name.

[NATHANIEL WYETH (son of N.C. and brother of Andrew )]

10. The Carter cabinet wasn't among the most colorful. But up in the Northwest, you'll find that several of its members still have a lot of clout. For 10 pts. each, name:

(a) Carter's Secretary of the Interior, who as Governor of Idaho recently vetoed a tough anti-abortion bill. [Cecil ANDRUS]

(b) Two men served Carter as Secretary of Transportation; one is now a Senator from Washington, while the other is Governor of Oregon. [Brock ADAMS & Neil GOLDSCHMITT]

11. When was the last time you looked at a repeating decimal? I'll give you a repeating decimal; for 5 pts. each, give me the lowest fraction form for the same number.

- (a) .16 with a bar over the 6 [1/6]
- (b) .8 with a bar over the 8 [8/9]
- (c) .428571 with a bar over all 6 digits [3/7]
- (d) .18 with a bar over both digits [2/11]
- (e) .076923 with a bar over all 6 digits [1/13]

For another 5 pts., what one-hit wonder had a #1 hit in 1982 with "Tainted Love"? [SOFT CELL]

12. Cleopatra, that compelling woman, has been portrayed in vastly different ways, according to the fashion of the times. For ten points each identify these portrayers of the Egyptian queen.

1. In the 1920's she played Cleo as a chubby, shrewish, and manipulative woman with a tremendous fondness for eyeliner.

[Theda BARA]

2. In the '50's she achieved her greatest stage success by portraying Cleopatra in both Shakespeare's Antony and Cleopatra and Shaw's Caesar and Cleopatra at the same time. [Vivien LEIGH]

3. Her slender and sexy Cleopatra is the most famous now, despite one observer's comment that this actress now herself resembles Theda Bara's version. [Elizabeth TAYLOR]

13. Identify the following African kingdoms, 10 for each.

1. Their best known naval commander, Hanno, led an expedition which is believed to have reached Angola in the sixth century b.c., no small feat considering he left from the central Mediterranean area. They fell to the Romans. [CARTHAGE]

2. It arose around the 4th century A.D. At its peak, around 1070, it was ruled by Tenkamenin the Great and consisted of both Muslim and traditional societies existing side by side. It has given its name to a modern African republic. [GHANA]

3. A Muslim kingdom, its best-known and most capable leader was Mansa Musa. From around 1230 until conquered by Songhai around 1468 it controlled the trade routes from the salt mines at Taodenni to the market towns of Gao and Timbuktu, as indeed its modern namesake does today. [MALI]

14. Identify this author, 30-20-10:

(1) Born in Bohemia, he worked as a journalist and stage director, marrying a prominent actress. Among his works is the drama **The Insect Play**.

(2) This novelist, playwright, and essayist flourished in post-World War I Czechoslovakia; his greatest successes came with a trilogy of novels, **Hordubal**, **Meteor**, and **An Ordinary Life**.

(3) In his drama **R.U.R.**, he coined the word "robot".  
[Karel CAPEK]

15. W.C. Fields may or may not have said he'd rather be in Philadelphia, but lots of other cities have taken abuse from some renowned sources. Given the insult, name the author, 5 pts. each:

(a) "Mammon...the god of the world's leading religion. His chief temple is in the holy city of New York" [Ambrose BIERCE]

(b) Who called Los Angeles "19 suburbs in search of a metropolis"? [H.L. MENCKEN]

(c) "The coldest winter I ever spent was a summer in San Francisco" [Mark TWAIN, or CLEMENS]

(d) Who said of Oakland, "There is no there there"?  
[Gertrude STEIN]

(e) Who described Chattanooga as "the buckle on the Bible belt"? [H.L. MENCKEN again]

For an additional 5 pts., what is the pen name used by best-selling author David Cornwell?  
[John LE CARRE]

16. Catchers have never been famed for their longevity, what with the wear and tear they get. Of the 5 players who have caught the most games, 3 are still active. For 5 pts. each, name these 5, each of whom has caught over 1800 games. Hint: Of the 2 who are no longer active, one only retired a couple of years ago and the other managed 2 American League teams to pennants in the '50's.

[Bob BOONE, Carlton FISK, Jim SUNDBERG,  
Al LOPEZ, Gary CARTER]

For an additional 5 points, name the man who was the first head of both the Tennessee Valley Authority and the Atomic Energy Commission.  
[David Eli LILIENTHAL]

17. Identify the authors of the following adolescent novels, 10 pts. each:

(a) **The Contender** and **One Fat Summer** [Robert LIPSYTE]

(b) **My Darling, My Hamburger**, **Harry and Hortense at Hormone High**, and **The Pigman** [Paul ZINDEL]

(c) **Emily of New Moon**, **Rilla of Ingleside**, and **Anne of Green Gables** [Lucy Maud MONTGOMERY]

18. In the South, we speak of dry counties. But in the West, they talk about dry states. Answer the following, 15 pts. on the 1st clue or 5 pts. on the 2nd:

(1) (a) This Western state receives less rainfall than any other.

(b) Although its first permanent white settlement wasn't established until 1849, it attained statehood 15 years later,

thanks to a mining boom.

[NEVADA]

(2) (a) This Western state has the smallest percentage of its area covered by water.

(b) Although its first permanent white settlement was established in 1598, it didn't achieve statehood until 1912.

[NEW MEXICO]

19. Will Pope John Paul II still be on the Throne of St. Peter in the year 2000? If so, he'll share a distinction with these Popes. I'll name a Pope; for 5 pts. each, give me the year ending in "00" in their tenure:

- |                   |        |
|-------------------|--------|
| (1) Boniface VIII | [1300] |
| (2) Boniface IX   | [1400] |
| (3) Leo XIII      | [1900] |
| (4) Clement VIII  | [1600] |
| (5) Zephyrinus    | [200]  |
| (6) Silvester II  | [1000] |

20. You knew the last bonus would be another hybrid bonus, didn't you?

(1) In addition to radiometric dating using carbon-14 and the like, other dating methods measure the effects produced in crystals by particles emitted during radioactive decay. Identify these radiation-effect dating methods, 10 pts. @:

(1a) This traces the damage done to the crystal by the decay products of uranium-238; the paths of the damage can be viewed and counted with a microscope after they've been enlarged by etching with acid.

[FISSION-TRACK method]

(1b) A small portion of the electron freed by radioactive decay are trapped in crystal defects and can be freed by heating. The emission of photons during their liberation can be used to date archaeological material, especially pottery.

[THERMOLUMINESCENCE dating]

(2) As for radiation effects on this, it depends on which way the wind is blowing from the Savannah River. This town has already served as the setting for The Great Santini and The Big Chill. Now, Barbra Streisand complains that the noise from nearby Parris Island has disrupted work on the newest film to be shot there, Prince of Tides. This town of 5000 people seems to be a magnet for the filming of inexpensive character dramas. FTP name this South Carolina port.

[BEAUFORT]