



Invitational Series #68  
Packet 1

Tossups

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1. **Myrtilus helped this man defeat King Oenomaus [EE-noh-MAY-us] in a chariot race for the right to marry the king's daughter Hippodamia [HIH-poh-DAY-mee-uh]. Due to his father's overwhelming desire to impress the Olympians, this man had to be resurrected and given an ivory prosthetic in place of the shoulder (\*) eaten by Demeter [dih-MEE-tur]. For 10 points—name this son whom Tantalus fed to the gods, the namesake of the Greek peninsula of Peloponnesus.**

answer: Pelops

<181660>

2. **In 1402 the English Parliament passed a series of Penal Laws prohibiting men from this region from carrying arms. Those laws stemmed from a rebellion against Henry IV led by Owen Glendower. It was conquered by Edward I who gave the title once borne by (\*) Llywelyn ap Gruffydd [luh-WEL-un ap GRIF-ith] to his eldest son, a tradition that continues to this day. For 10 points—name this western part of Great Britain, a region with capital Cardiff.**

answer: Wales (or Cymru) [The title was "Prince of Wales."]

<200253>

3. **These entities are the points of a projective space. Each step of Newton's method involves constructing one whose single root is the next approximation. A pair of them comprise the degenerate (\*) hyperbola  $x$  squared minus  $y$  squared equals 0. They are the graphs of first-degree polynomials and have constant slope. For 10 points—name these geometric objects defined by two distinct points.**

answer: lines

<193397>

4. **Bip Roberts' tenth-inning double broke this man's 1995 perfect game attempt, after which Felipe Alou [fee-LEE-pay ah-LOO] pulled this then-Expo from the game. When a brawl broke out in Game 3 of the 2003 American League Championship Series this three-time (\*) Cy Young Award-winner sent Yankees coach Don Zimmer to the ground. For 10 points—name this Dominican native, a current Met and longtime Red Sox pitcher.**

answer: Pedro (Jaime) Martínez

<189424>

5. **This religion's name translates roughly as "Way of the Gods" and those gods are called *kami* [KAH-mee]. Many *kami* are local, though some are associated with natural objects. The one commemorated at the Ise [ee-say] Shrine is (\*) Amaterasu [ah-mah-tuh-rah-soo] who was considered to be the ancestor of Hirohito and all previous emperors. For 10 points – name this traditional religion of Japan.**

answer: Shinto(ism) (accept variants)

<196336>

6. **This man observed that the parallax of the stellar object in Cassiopeia [KAA-see-uh-PEE-uh] now called SN 1572 did not change after its sudden appearance, and that, therefore, it could not be in Earth's atmosphere. He called it a (\*) "nova," and its discovery won him two observatories from Frederick II of Denmark. For 10 points – name this 16th-century Danish astronomer who collaborated with Johannes Kepler.**

answer: Tycho Brahe [TEE-koh BRAH] (accept either underlined portion)

<189606>

7. **In one of this man's works, the plans of Arnolphe are dashed when it is discovered that Enrique [awn-REEK], the father of Agnès, arranged for her marriage to Horace. In addition to *The School for Wives*, he wrote about a man who is loved by Eliante [ay-lee-AHNT] and who himself loves Célimène [say-lee-MEN] in a play about Alceste [ahl-SEST], the title (\*) "misanthrope." For 10 points – name this comic French dramatist of *Tartuffe* [tar-TOOF].**

answer: Molière [moh-lee-AIR] (or Jean-Baptiste Poquelin)

<197605>

8. **Janani Luwum was one of ten 20th-century martyrs honored with a statue on Westminster Abbey in 2004. He was an archbishop of this country's Anglican Church whose prelacy was centered on Gulu. In 1977 he was accused of being an agent of exiled president Milton (\*) Obote [oh-BOH-tay] and executed by this country's former heavyweight boxing champion, Idi Amin. For 10 points – name this African country with capital Kampala.**

answer: Republic of Uganda (accept Westminster Abbey early)

<191087>

9. **Pencil and paper ready. Three-fourths of the books on Lee's shelf are nonfiction. Of the fiction books, two-thirds are novels; the remaining fiction books are one book of poems, one book of plays, and one book of short stories. One way to find the total number of books is to note that the last three books are one-third of one-quarter of the total. (\*) For 10 points – how many books are on the shelf?**

answer: 36 books

<193804>

10. **In this play, the son in the main family calls his father "a telephone man who fell in love with long distance." His mother upsets him by forbidding books by D. H. Lawrence, and worries his shy, limping sister with the thought of becoming a spinster if she doesn't receive (\*) gentleman callers. Mother Amanda, son Tom, and daughter Laura appear in – for 10 points – which Tennessee Williams play about the Wingfield family?**

answer: The Glass Menagerie

<193533>

11. **In the foreground a basket lies overturned, with fruit and bread spilling out. A wooden boat lies directly behind a seated man holding a walking stick; near that boat, a woman in a white gown wades in the water. Of the other two figures, one is a well-dressed man, while a (\*) naked woman supports her chin with her right hand. For 10 points – name this painting of a picnic by Édouard Manet [ayd-war mah-nay].**

answer: The Luncheon on the Grass (or Le déjeuner sur l'herbe)

<171381>

12. **In 1791 this man's outspoken Unitarian views spurred a mob to destroy his laboratory; that was about 20 years after he suspended a bowl of water above a beer vat to create the first carbonated water. In that lab he conducted much of the research for his treatise "Experiments and Observations on Different Kinds of (\*) Air," which included "nitrous air" and "dephlogisticated [DEE-fluh-JISS-tuh-kay-ted] air." For 10 points – name this co-discoverer of oxygen.**

answer: Joseph Priestley

<195378>

13. **A territorial dispute flared in September 2003 between this country and Russia when the latter began a causeway from its own Taman [tuh-MAHN] Peninsula to Tuzla, a sand spit island claimed by this nation. Tuzla is in the Kerch Strait that links the Black (\*) Sea to the Sea of Azov [uh-ZOFF]; west of Tuzla is this nation's Crimean Peninsula. For 10 points – what third-largest and second-most-populous former Soviet republic has capital Kiev?**

answer: Ukraine

<126890>

14. **Its plan was revised after the success of Britain's attack on Taranto the previous year. The attack on Port Arthur by Togo Heihachiro [toh-goh hay-hah-chee-roh] emphasized the complete surprise embodied in the code phrase (\*) "Tora, Tora, Tora" for this assault planned by Admiral Yamamoto. Fortunately, the USS *Enterprise* and USS *Lexington* carriers were not in dock during – for 10 points – which 1941 attack on the U.S. Pacific Fleet at Oahu?**

answer: Attack on Pearl Harbor

<190958>

15. **This book's title comes from a poem by Ernest Dowson that also mentions "Cynara," which Alice Randall used as the name of the narrator in her 2001 "re-imagining" told from a slave's perspective. Slaves in the original work include Big Sam, (\*) Pork, and Dilcey, who was brought from Twelve Oaks to Tara, the O'Haras' estate. For 10 points – name this novel by Margaret Mitchell about Scarlett O'Hara.**

answer: Gone with the Wind

<193160>

16. **In August 2004 archaeologists claimed to have found a cave associated with this man who is said to have been born in nearby Ein Kerem. The cave, which includes a cistern with 28 steps leading to an underground pool, is in a kibbutz just outside Jerusalem and includes remnants of water jugs that may have been used in his (\*) rituals. For 10 points – name this New Testament figure considered a forerunner of the Messiah.**

answer: John the Baptist (or John the Baptizer or John the Forerunner; prompt on "John")

<147494>

17. **The Langevin [LAHNZH-van] equation describes the position of particles undergoing this phenomenon. While Felix Ehrenhaft received the Lieben [LEE-bun] Prize for demonstrating it with silver particles, it is named for a botanist who observed it in (\*) pollen grains buffeted by individual molecules of water. Albert Einstein wrote a 1905 paper describing the physics behind – for 10 points – what form of random motion?**

answer: Brownian motion

<191275>

18. **Its first two sessions were held in New York, but a final "lame duck" session was held in Philadelphia. Among its accomplishments were establishing the First Bank of the United States, passing the Hamilton Tariff, creating a Federal (\*) District to house its newly designated national capital, and proposing the Bill of Rights. For 10 points – name this initial legislative group organized under the new Constitution.**

answer: First (United States) Congress (prompt on "Congress")

<188611>

19. **In 1832 this man conducted his own Symphony in C major, the year before his first opera, *The Fairies*, premiered. He collaborated on *Rienzi* [ree-EN-zee] with Giacomo Meyerbeer, whom he later attacked in his writings. In his later operas he developed the concept of associating ideas or characters with particular musical phrases called (\*) *leitmotifs* [LYTE-moh-teefts]. For 10 points – name this German composer of *Tristan and Isolde* [ee-ZOHL-deh] and *The Flying Dutchman*.**

answer: (Wilhelm) Richard Wagner [REE-kart VAHG-nur]

<188704>

20. **This husband of Maria Kodama was buried in Geneva in 1986. His short story "The South" was based on a 1938 Christmas Eve accident that nearly killed him. While editor of the journal *Critica*, he first published the stories included in *A Universal History of (\*) Infamy*. For 10 points – name this Argentine author of the stories "The Library of Babel," "The Aleph," and "The Garden of Forking Paths."**

answer: Jorge (Francisco Isidoro) Luis Borges (Acevedo) [HOR-hay loo-EESS BOR-hace]

<197333>

21. **Pencil and paper ready. A first-class postage stamp in Freedonia now costs an unknown whole number of gold coins. The same stamp had cost 38 gold coins until the Freedonian government raised the price by approximately 21 percent. To find the new price it helps to notice that 21 percent is slightly more than one fifth. (\*) For 10 points – give the new price, in gold coins, of first-class postage in Freedonia.**

answer: 46 gold coins [ $38 \times 1.21 = 38 + (38 \times .21)$  while  $38 \times .2$  is 7.6]

<193280>

22. **This state's lowest point is Big Stone Lake, 965 feet above sea level; its highest point, also the highest point in the U.S. east of the Rocky Mountains, is Harney Peak. It is also home to Thunderhead Mountain, the site of an unfinished attempt to create the world's largest (\*) sculpture. The Crazy Horse Memorial is being carved in the Black Hills area of— for 10 points— what northern Plains state with capital Pierre [peer]?**

answer: South Dakota

<193819>

23. **This island was the subject of a poem by Solon [SOH-lun], who led an expedition to conquer it from Megara [MEH-guh-ruh]. It is in the Saronic Gulf and is separated from Piraeus [pye-REE-us] by a strait, where a temporary “wooden wall” was constructed by (\*) Themistocles [thuh-MISS-tuh-kleez], in the form of Greek ships. For 10 points— name this site of a 480 BC naval battle in the Persian Wars that was won by the Athenians.**

answer: Salamis [SAA-luh-muss]

<193778>

24. **Arvid Carlsson's work demonstrated a link between this disease and the loss in the substantia nigra [sub-STAN-tee-ah NEE-grah] of dopamine-secreting cells. It was known as “shaking palsy” when first documented by its namesake British physician in 1817, as its symptoms include (\*) tremors and rigidity. For 10 points— name this neurological disease that affected Pope John Paul II and actor Michael J. Fox.**

answer: Parkinson(’s) disease (or Parkinsonism)

<197386>



Invitational Series #68  
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Bonuses

1. For 10 points each – which state is home to the Presidential Library of . . .

A. Harry Truman?

answer: (Independence,) Missouri

B. Herbert Hoover?

answer: (West Branch,) Iowa

C. Dwight D. Eisenhower?

answer: (Abilene,) Kansas

<141046>

2. It was said to have been built out of blue air, green water, and red fire. For 10 points each –

A. Name this rainbow bridge of Norse myth.

answer: Bifrost [BYE-frost] (or Asbru)

B. This god, the son of nine mothers, kept watch over Bifrost.

answer: Heimdall [HYME-dahl]

C. Bifrost connected this realm of the gods to Midgard.

answer: Asgard [AZ-gard]

<161394>

3. For 10 points each – answer these questions about Canada:

A. Which Canadian province has its capital at Regina [reh-JYE-nah]?

answer: Saskatchewan

B. Which province's largest lake, the namesake of its capital, is drained by the Nelson River into Hudson Bay?

answer: Manitoba [Lake Winnipeg]

C. Along with Alberta, Manitoba and Saskatchewan make up what geographic region named for its abundant grasslands?

answer: Prairie provinces or Canadian Prairies or the Prairies

<188534>

4. For 10 points each – answer these questions about intermolecular forces:

A. Which strongest intermolecular force requires an atom of nitrogen, oxygen, or fluorine on each participating molecule?

answer: hydrogen bonding (accept word forms)

B. Which weakest intermolecular force operates between all substances, even noble gases?

answer: London dispersion forces (accept either; prompt on “van der Waals”)

C. The van der Waals equation is a correction to which law that originally ignored the effects of intermolecular forces?

answer: ideal gas law (or perfect gas law or universal gas law or general gas law; prompt on “gas law”)

<196628>

5. If you mix a Queen Latifah movie with an Edith Wharton novel, you'll get *Bringing Down the House of Mirth*. For 10 points each—give the name that results when you conflate . . .
- A. The Charles Dickens novel with Mr. Micawber and Uriah Heep with a 1989 Kevin Costner baseball film.  
answer: David Copperfield of Dreams
- B. A 1906 O. Henry short story collection with Hilary Swank and Clint Eastwood's Oscar-winning boxing film.  
answer: The Four Million Dollar Baby
- C. Truman Capote's [kuh-POH-tee'z] 1966 novel about Kansas murderers with a Federico García Lorca play with the Spanish title *Bodas de Sangre* [BOH-dahs day SAHN-gray].  
answer: In Cold Blood Wedding
- <168818>
6. For 10 points each—which former *Saturday Night Live* cast member received an Academy Award nomination for his or her performance in . . .
- A. *Dreamgirls* in 2006?  
answer: (Edward Regan) Eddie Murphy
- B. *Lost in Translation* in 2003?  
answer: (William James) Bill Murray
- C. *Driving Miss Daisy* in 1989?  
answer: Dan(iel Edward) Aykroyd [ACK-royd]
- <190158>
7. For 10 points each—identify these artistic movements whose names originated in pejorative use:
- A. Pointed arches and ribbed vaults characterized this style of the late Middle Ages that critics likened to the aesthetics of barbarians like Fritigern.  
answer: Gothic architecture (do not prompt on “Goth”)
- B. A term formerly applied to irregular pearls was used for this 17th-century style emphasizing dramatic tension, motion, and grandeur.  
answer: Baroque period
- C. At a 1905 exhibition, Louis Vauxcelles [LOO-ee voh-sell] demeaned the works of Henri Matisse [awn-REE muh-TEECE] and his followers with a French word meaning “wild beasts.”  
answer: Fauvism [FOH-vizm] or Fauvist school or Les Fauves
- <193570>
8. For 10 points each—name these men who explored south of the Antarctic Circle:
- A. This British explorer was the first European to sail south of the Antarctic Circle; he also circumnavigated Antarctica on that voyage.  
answer: James Cook
- B. This man who lent his name to an ice shelf discovered Mount Erebus, the world's southernmost volcano.  
answer: James Clark Ross
- C. This Norwegian was the first person to reach the South Pole.  
answer: Roald (Engelbregt Gravning) Amundsen [AH-mun-sun]
- <193786>
9. For 10 points each—give the following about computer file systems:
- A. Since Windows 95, Microsoft has referred to file directories by this more colloquial name.  
answer: folders
- B. This is the only symbol that can't be part of a file name in Unix-like operating systems, since it's used to separate path components.  
answer: (forward) slash (do not accept “backslash”)
- C. This kind of file system, like IBM's namesake JFS, writes changes to a circular log before committing them. This allows accurate recovery in the case of system failure.  
answer: journaling file system or journaled file system
- <200094>

10. In a May 2007 debate, three Republican presidential hopefuls – a Kansas Senator, a Colorado Congressman, and a former Governor of Arkansas – raised their hands to say they did not believe in the theory of evolution. For 10 points each – name those three men, in any order.

answer: Sam(uel Dale) Brownback  
 Thomas (Gerard) Tancredo [tan-KRAY-doh]  
 Michael (Dale) Huckabee [HUCK-uh-bee]

&lt;194194&gt;

11. “Sorry, no milk today.” For 10 points each – answer these questions about cows:

A. Urban legend blames the Great Chicago Fire of 1871 on a cow owned by what woman?

answer: Catherine O’Leary (or Mrs. Patrick O’Leary)

B. Which English doctor pioneered vaccination by using cowpox to prevent smallpox?

answer: Edward Jenner

C. Doreen Cronin wrote, and Betsy Lewin illustrated, which Caldecott Honor book in which Farmer Brown's cows find a typewriter and request electric blankets?

answer: Click, Clack, Moo: Cows That Type

&lt;189774&gt;

12. It calls patience “a minor form of despair, disguised as virtue,” and an insurrection “an unsuccessful revolution.” For 10 points each –

A. Name this satirical work, first published as the *Cynic's Word Book*.

answer: The Devil's Dictionary

B. *The Devil's Dictionary* was written by this critic and Civil War veteran.

answer: Ambrose (Gwinnet) Bierce

C. Bierce may be best known for this short story in which Peyton Farquhar's [FAR-kwar's] dramatic escape from hanging occurs only in his imagination.

answer: An Occurrence at Owl Creek Bridge

&lt;196043&gt;

13. Albert Lebrun appointed Henri Pétain [awn-ree pay-tan] to lead it after Paul Reynaud [ray-noh] resigned. For 10 points each –

A. Name this government that ruled from 1940 to 1944 from a town southeast of Paris.

answer: Vichy [VEE-shee] France (or Regime de Vichy)

B. Pétain had led the French to victory during World War I at a battle in this city. In 843 a treaty dividing the Carolingian Empire was signed there.

answer: Verdun [vair-dun]

C. After the war, Pétain was sentenced to death, but his term was commuted by this leader of the Free French who served as prime minister from 1958 to 1969.

answer: Charles (André Joseph Marie) de Gaulle

&lt;177901&gt;

14. This nation's King Joseph the Reformer moved his court to a tent complex after surviving a massive 1755 earthquake. For 10 points each –

A. Joseph ruled this nation where up to 100,000 died in the quake and subsequent tsunami and fire.

answer: Kingdom of Portugal

B. This French philosopher wrote “Poem on the Lisbon Disaster” and a picaresque [pih-kah-RESK] novel in which the main character sees the aftermath first-hand.

answer: Voltaire (or François-Marie Arouet) [It occurs in *Candide*.]

C. This German philosopher, the author of *Critique of Pure Reason*, was influenced by the Lisbon earthquake to develop the concept of the “sublime.”

answer: Immanuel Kant [kahnt]

&lt;152211&gt;

15. Tanzania borders the three largest lakes in Africa. For 10 points each—name those lakes.

answer: Lake Victoria  
 Lake Tanganyika [tan-guhn-YEE-kuh]  
 Lake Malawi [muh-LAH-wee] (or Nyasa)

&lt;25728&gt;

16. For 10 points each—answer these questions about DNA:

A. What process is used to create messenger RNA from a DNA template?

answer: transcription (accept word forms)

B. What numerical designation is given to the “starting” end of a DNA molecule, the end from which it is always “read” during transcription?

answer: 5 prime or 5' (prompt on “5”)

C. What sugar with formula C<sub>5</sub>H<sub>10</sub>O<sub>4</sub> is found in DNA?

answer: deoxyribose

&lt;189671&gt;

17. For 10 points each—name these political parties:

A. Gordon Brown and Tony Blair have led this British party.

answer: Labour Party

B. In 2004 this party concerned with environmental responsibility and sustainable development became the first to unite at the European level.

answer: European Green Party (accept Greens; accept EGP)

C. In July 2007 this party of Japanese Prime Minister Shinzo Abe [SHEEN-zoh AH-bay] lost its majority in the House of Councilors.

answer: LDP or Liberal Democratic Party

&lt;198063&gt;

18. For 10 points each—name these dystopian novels:

A. Mustapha Mond and John the Savage appear in this Aldous Huxley novel set in the Year of Our Ford 632.

answer: Brave New World

B. Winston Smith fails to escape the snare of Big Brother in this George Orwell novel.

answer: 1984

C. Alex enjoys tormenting people with his droogs until he is “rehabilitated” by the Ludovico treatment in this Anthony Burgess novel.

answer: A Clockwork Orange

&lt;178980&gt;

19. For 10 points each—name these military engagements involving Native Americans:

A. Mad Anthony Wayne's victory at this 1794 battle, fought near present-day Toledo, resulted in the Treaty of Greenville.

answer: Battle of Fallen Timbers

B. William Henry Harrison received a popular nickname after this routing of the Shawnee Prophet near the Wabash and a namesake river.

answer: Battle of Tippecanoe [“tippy canoe”]

C. General Nelson A. Miles described the deaths of over 150 Lakota Sioux [soo] near this South Dakota site in 1890 a “massacre.” Dee Brown wrote a book about it in 1970.

answer: Battle of Wounded Knee (Cree) (accept Wounded Knee Massacre; accept Bury My Heart at Wounded Knee)

&lt;174816&gt;

20. For 10 points each – answer these questions about Ampère's law:

A. Ampère's law allows one to calculate what kind of field from the current flowing through a surface?

answer: magnetic field (prompt on "B field")

B. As such, it can be considered the magnetic analogue of which electrostatic law named for a German mathematician?

answer: Gauss's law

C. James Clerk ["Clark"] Maxwell added what term to Ampère's law to account for time-varying electric fields?

answer: displacement current (do not prompt on "current")

<186881>

21. William Shakespeare wrote or collaborated on six plays that have two title characters. For 5 points each – name those plays.

answer: The Two Gentlemen of Verona

The Merry Wives of Windsor

The Two Noble Kinsmen

(The History of) Troilus and Cressida

(The Tragedy of) Romeo and Juliet

(The Tragedy of) Antony and Cleopatra

<150243>

22. For 10 points each – which man is credited as the principal creator of these TV shows?

A. *Sports Night* and *The West Wing*

answer: Aaron (Benjamin) Sorkin

B. *Star Trek*

answer: (Eugene Wesley) Gene Roddenberry

C. *Law & Order* and its spin-offs?

answer: (Richard Anthony) Dick Wolf

<188292>

23. For 10 points each – answer these questions about endangered species:

A. Which bird of prey was delisted in June 2007?

answer: bald eagle (or Haliaeetus leucocephalus; prompt on "eagle")

B. In December 2006 the U.S. Department of the Interior made which white animals the first species officially declared endangered because of global warming?

answer: polar bear (or Ursus maritimus)

C. In 2006 which river's namesake dolphin was declared extinct, partly as a result of the Three Gorges Dam reducing its habitat?

answer: Yangtze River (or Chang Jiang)

<197340>

24. This device reduces nitrogen oxides to nitrogen and oxygen and oxidizes carbon monoxide to carbon dioxide. For 10 points each –

A. Name this automobile part introduced in 1975.

answer: catalytic converter

B. A complex of this metal, which poisons catalytic converters, was once used to reduce engine knock; its use in the U.S. was ended in 1986.

answer: lead (accept tetraethyl lead)

C. The increasing use of catalytic converters led to fuel injection replacing this older automobile part that used the Bernoulli principle to mix air and fuel.

answer: carburetor [KAR-buh-RAY-tur]

<198138>