

Vanderbilt Quiz Bowl  
Fall Collegiate Invitational

Round 15

Tossups

1. **This group of compounds form complexes with ammonium ions and form strong ligands with metal ions. The first of this group of compounds to be synthesized was the (\*) 18-blank-6.** FTP, fill in the blank in the naming convention and you've identified these regal-sounding macrocyclic polyethers.

**Answer:** \_crown\_ ethers (prompt on: \_cryptands\_)

2. **"The Colored Soldiers" "The Corn-Stalk Fiddle" "After the Quarrel" "The Meadow Lark." All these are poems from a collection published in 1896, (\*) its Ohio author's first.** FTP, name this Paul Lawrence Dunbar poetry collection.

**Answer:** \_*Lyrics of Lowly Life*\_

3. **First organized in 1883, its grand finale was "The Attack on the Burning Cabin." Its "Congress of Rough Riders of the World" inspired Teddy Roosevelt's cavalry unit, while its diverse headliners included (\*) a black man, Bill Pickett, and a woman, Phoebe Ann Moses – a.k.a. Annie Oakley.** FTP, name this extravaganza put on by "Buffalo Bill" Cody.

**Answer:** the \_Wild West Show\_

4. **Married to fellow Brit, TV producer Allan McKeown, her career began in Berlin when she penned the hit song *You Broke My Heart in Seventeen Places*. She will begin a new show on (\*) HBO in January 2000.** FTP, what versatile comedienne's Fox show spawned *The Simpsons*?

**Answer:** Tracey \_Ullman\_

5. **Created by mathematician Hans Hahn, it counted among its members Iowa native Herbert Feigl and Prague resident Rudolf Carnap. (\*) Better known adherents were Kurt Gödel and A.J. Ayer.** FTP, identify this geographically named group of logical positivists.

**Answer:** \_Vienna Circle\_

6. **First developed in 1880 from the Italian game tumbula, it got its present name in 1930 from American Edwin Lowe. The only gambling (\*) game permitted in the British armed forces, according to the strict official rules a player must say "House" or "Here" to claim victory; but, FTP, most people yell what five-letter word?**

**Answer:** \_bingo\_

7. **It began in earnest on Wednesday the 23<sup>rd</sup>, International Women's Day. Liberal Cadets were unhappy with the failed Stolypin reforms of ten years earlier and took to the streets (\*) of Petrograd. The Duma and the Soviet soon split power.** FTP, name the month and you've named the 1917 Russian uprising.

**Answer:** \_February\_ Revolution

8. **Some species of this type of plant distribute their spores through special cells known as "elaters." Others have gametophytes that simply fragment, and the rest use (\*) lens-shaped cell clumps called "gemmae." Like all non-tracheophytes, they have no vascular tissue. They have no stomata, and have sporophytes shorter than mosses or hornworts.** FTP, name this primitive plant.

**Answer:** \_liverwort\_ or phylum \_Hepatophyta\_

9. **Its "delta" measures the sensitivity of its value to a change in the price of the underlying contract, and it can come in (\*) "call" or "put" varieties.** FTP, what type of economic contract gives its holder the right to purchase or to sell futures?

**Answer:** \_option\_

10. He first grew interested in his future wife after hearing her rendition of a piano adaptation of his ballet *Les Papillons*. After discovering Franz Schumann's 9<sup>th</sup> (\*) symphony, he presented it to her as a gift. Best known for the piano piece *Carnaval* and the "Spring" Symphony, FTP, who married Clara Wieck in 1840?

Answer: Robert \_Schumann\_

11. It kind of sucks to finish 6<sup>th</sup> – just ask this politician. Granted, he did finish ahead of Orrin Hatch, Alan Keyes, and (\*) Dan Quayle, but the horrid showing at the Iowa straw poll all but guaranteed his withdrawal from the race. FTP, name this former Department of Education head and Governor of Tennessee.

Answer: Lamar \_Alexander\_

12. Made an imperial capital in 1753 by Alaungapaya, it was home to the gilded Shwe Dagon Pagoda long before that. It is an important center of trade because of its location on the (\*) Gulf of Martaban, one of the outlets of the Irrawaddy. FTP, name the capital of Myanmar.

Answer: \_Rangoon\_ or \_Yangon\_

13. Despite a reputation for peace borne of his anti-nuclear testing campaign, he directed the seizure of Goa from the Portuguese. He told fellow Cambridge grad John Kenneth Galbraith "I am the last (\*) Englishman to rule India." FTP, name the founder of the Congress Party and the first leader of independent India.

Answer: (Allahabad) Jawaharlal \_Nehru\_

14. No exceptions have ever been found to this physical law: it is equally applicable to both classical and quantum scales. It is given by the formula (\*)  $F = kq_1q_2/r^2$ . FTP, name the law that deals with the electrostatic force between point charges and shares its name with the SI unit of charge.

Answer: (Charles Augustin de) \_Coulomb's\_ Law

15. Based on a passage from Book 5 of Revelations that is the main reading for All Saints' Day, this painting features four groups of converging saints. (\*) At the bottom is an octagonal baptismal font, and small angels preside over the central figure, which bleeds into a chalice. FTP, name the bottom-center interior panel of Jan van Eyck's *Ghent Altarpiece*.

Answer: \_Adoration of the Lamb\_ (prompt on: \_Ghent Altarpiece\_)

16. He moved to the palace of Proetus, King of Tiryns, in an attempt to expiate his murder of a Corinthian. The king's wife (\*) got him in trouble after he refused her advances, and he was sent off to his father-in-law, Iobates, with a death sentence. Iobates sent him off to do tasks that ought to have resulted in his death. FTP, name the man who annihilated the Amazons and killed the Chimera.

Answer: \_Bellerophon\_

17. It works because of a decreasing temperature gradient with respect to height, and looks really cool because the process counterbalances rising (\*) vapor and tumbling glass beads. Specifically, liquid vapor rises along a column and then condenses, leaving volatile compounds at the bottom. FTP, name this chemical separation process.

Answer: \_fractional distillation\_

18. Two gold chariots were the most impressive spoils of this battle in the Qina Valley. Prompted by the rebellion of the King of Kadesh, the victor recorded his success pictorially in the temple at (\*) Karnak. Thutmose III won, FTP, what ancient battle at the site of the final battle in Christian belief?

Answer: Battle of \_Megiddo\_ or \_Harmageddon\_ or \_Armageddon\_

19. A native of Buffalo, that city houses her recording company – Righteous Babe Records. Adding drummer Andy Stochansky for 1993's (\*) *Imperfectly*, she continues to churn out albums like *Living in Clip* and *Dilate*. FTP, name the oddball singer whose latest output is the leftist-unionist *Fellow Workers*.

Answer: Ani \_DiFranco\_

20. **Born in Marino Crescent in the town of Clontarf, Ireland, he married a former lover of Oscar Wilde. Drama critic for the *Evening Mail*, (\*) his novels include *The Jewel of Seven Stars* and *The Lair of the White Worm*. FTP, who is best known for writing *Dracula*?**

**Answer:** Bram \_Stoker\_

21. **The equation  $p \times A \times \eta_A \times P_n(0, \theta)$  yields this measure, and it is the highest when an axial-mode helix structure is used. In the equation,  $p$  is the fraction of the (\*) signal with polarization of the antenna and  $\eta_A$  is the aperture efficiency. FTP, name the measure of antenna efficiency.**

**Answer:** \_gain\_

22. **A member of the troupe of Thomas Killigrew, her dramatic specialty was light comic roles. Like much later stage star Ronald Reagan, she made a splash in the (\*) political world – she bore a future Duke of St. Albans. FTP, name this actress and mistress to Charles II.**

**Answer:** Nell \_Gwyn\_

23. **He used a method known as the “fides quaerens intellectum” to explain the “satisfaction theory” of the Atonement in his work *Cur Deus Homo* (\*) and, in the essay *Proslogion*, to build an ontological argument for the existence of God. FTP, name this influential 11<sup>th</sup> century Italian-born Archbishop of Canterbury.**

**Answer:** St. \_Anselm\_ of Canterbury

24. **Born on May 11<sup>th</sup>, 1888, his first hit was 1911's jazz tune “Alexander's Ragtime Band.” After a stint with the Ziegfeld Follies, he made the move to (\*) “talkies” quickly, composing “Blue Skies” for *The Jazz Singer*. FTP, what icon of American music donated all the profits from “God Bless America” to the Boys Scouts?**

**Answer:** Irving \_Berlin\_

25. **A regular on the *Smothers Brothers and Sonny and Cher* variety shows, his real name is Bob Einstein. (\*) FTP, who had “extreme adventures” and shared the screen with “all-stars” in several high-flying comedic TV “stunt” shows.**

**Answer:** \_Super Dave\_ Osborne

26. **He compiled drinking songs he wrote while serving in the British East India Company, and executed Percy Shelley's estate. He's best known for novels like *Crotchet Castle* (\*) and *Nightmare Abbey*. FTP, identify the author who shares his name with a bird.**

**Answer:** Thomas Love \_Peacock\_

27. **After offending Nazis with the “Jewish tricks” in his 1940 production of *Die Walküre*, he severed all ties to the theatre. At Paramount, he created a script based on (\*) *An American Tragedy*, and paired with Upton Sinclair on *Qué Viva México!* FTP, name the director of classics like *Alexander Nevsky* and the two-part *Ivan the Terrible*.**

**Answer:** Sergi \_Eisenstein\_

28. **A beggar sits among the massive, crumbling ruins of the Coliseum in the front left. However, the most arresting aspect of the picture is the huge (\*) Mussolini head popping out of a jack-in-the-box. FTP, name this Peter Blume painting whose title derisively draws on Rome's timeless nickname.**

**Answer:** *The \_Eternal City\_*

**Vanderbilt Quiz Bowl  
Fall Collegiate Invitational**

**Round 15**

**Bonuses**

1. Name the boxers who set the following modern-era records, 5-10-15.

5 – In 1978, he became the first man to win the heavyweight crown three separate times.

**Answer:** Muhammad \_Ali\_ (accept: Cassius \_Clay\_)

10 – He ended his career with an unprecedented 49-0 record.

**Answer:** Rocky \_Marciano\_

15 – A light heavyweight who fought up against both Marciano and Ali, he has a record 141 knockouts.

**Answer:** Archie \_Moore\_

2. For fifteen points each, name these opposing philosophers.

A native of Somerset, he explicates his political philosophy in the *Second Treatise of Government*.

**Answer:** John \_Locke\_

A onetime student and, later, a bitter enemy of Locke, this lord's moral sense theory balanced opposing "private" and "public" interests.

**Answer:** Lord Anthony Ashley Cooper, third Earl of \_Shaftesbury\_ (accept: A. A. \_Cooper\_)

3. FTP each, name these not-so-related developments of 1895.

The first pro football game was held in this city, now site of the Rolling Rock brewery.

**Answer:** \_Latrobe\_ Pennsylvania

Oscar Wilde unsuccessfully sued this man, the father of his former lover and the creator of the rules for modern boxing, for libel.

**Answer:** John Sholto Douglas, 8<sup>th</sup> Marquess of \_Queensberry\_

In an invention sure to please gay wits, butch footballers, and boxing officials, this man invented the safety razor.

**Answer:** King C. \_Gillette\_

4. 5-10-15, give the formula for the rotational inertia "I" of the following shapes.

5 – hoop about a central axis

**Answer:**  $I = MR^2$

10 – solid sphere about any diameter

**Answer:**  $I = \frac{2}{5} MR^2$

15 – slab about a perpendicular axis through the center

**Answer:**  $I = \frac{1}{12} M(a^2 + b^2)$

5. 5-10-15:

5 – This Roman knew what lovin' was all about – he wrote both the *Ars amatoria* and the *Amores*.

**Answer:** \_Ovid\_

10 – His most famous works, it deals with mythological transformations.

**Answer:** *Metamorphoses*

15 – This woman bragged to Latona about her kids, who promptly got mowed down by Artemis and Apollo. She was then morphed into a big hunk of stone.

**Answer:** \_Niobe\_

6. FTP each, answer these questions about the farcical vocal ballet *The Nothing-Doing Bar* (aka *The Ox on the Roof*).

This French composer of *Christopher Columbus* and *Memories of Brazil* wrote the music.

**Answer:** Darius \_Milhaud\_

After hearing the score, the author best known for *Les Enfants Terribles* wrote the words.

**Answer:** Jean \_Cocteau\_

The piece was banned in the U.S. for its harshly satiric portrayal of Americans – thereby rendering moot the music's original intent, as the score for a movie by this star of *City Lights*.

**Answer:** Charlie \_Chaplain\_

7. Identify the following unpleasant instances of cardiovascular disease FTP each.  
This is a stationary blood clot caused by platelets that get stuck in arteriole plaque.

**Answer:** \_thrombus\_

When a thrombus breaks loose and becomes lodged in a smaller artery, the resulting condition is known as this.

**Answer:** \_embolism\_

An embolism in the brain causes this condition, whose symptoms include memory loss and other ill effects.

**Answer:** \_stroke\_

8. 5-10-15:

10 – A vote for independence in this former Portuguese territory was delayed in early June 1999 after escalating violence.

**Answer:** \_East Timor\_

5 – The UN claims that this violence was the work of militias supported by this government, which doesn't want to see East Timor secede.

**Answer:** \_Indonesia\_

15 – The violence is apparently a sign that Indonesia's President has decided to rescind his February statement that "[We should just] give them freedom." Name him.

**Answer:** President B. J. \_Habibie\_

9. FTP each, answer these questions about the Christian reconquest of Spain.  
In 1085, this centrally located city fell to the armies of Leon and Castile.

**Answer:** \_Toledo\_

This pope called a crusade in 1212.

**Answer:** Pope \_Innocent III\_

After the victory of Las Navas de Tolosa, the armies of Castile captured this former capital city of the Spanish caliphate.

**Answer:** \_Cordoba\_ or \_Cordova\_

10. Name these Egyptian deities FTPSNOP.  
FTP, this sun god's principal sanctuary was Heliopolis.

**Answer:** \_Ra\_

FTP, a scarab, he signified the rising sun.

**Answer:** \_Khepri\_

For five points each, name the twins, created by Ra, who comprised the first couple of the *Ennead*.

**Answer:** \_Shu\_ and \_Tefnut\_

11. FTP each, name these stories by O. Henry from some keywords.  
Hair, a watch, a set of combs, Christmas

**Answer:** *The \_Gift of the Magi\_*

Farmer, a scam, failure

**Answer:** *\_Modern Rural Sports\_*

Kidnapping, two desperate men

**Answer:** *The \_Ransom of Redchief\_*

12. 5-10-15 name these prominent figures in Showa Japan.

5 – He succeeded his father Yoshihito in 1926.

**Answer:** Emperor \_Hirohito\_

10 – This Prime Minister, who succeeded Prince Fumumaro Konoye in 1941, ordered the attacks on Pearl Harbor and the Philippines.

**Answer:** Gen. \_Tojo\_ Hideki

15 – The murder of this Seiyukai Party Premier by a fanatic in 1921 opened the door to the militarism of the Showa period.

**Answer:** Takashi (Kei) \_Hara\_

13. Answer the following questions about plant cells, 5-10-15.

5 – This is the rigid external structure unique to plants.

**Answer:** \_cell wall\_

10 – Lignin and suberin form this part of the cell wall, responsible for support and waterproofing.

**Answer:** \_secondary\_ wall

15 – Very thick and functional only when dead, these elements of the secondary wall can be either long fibers or dense packed clumps.

**Answer:** \_sclerenchyma\_

14. FTP each, name these Kurt Russell movies:

Snake busts out of an urban prison. 1981.

**Answer:** \_*Escape from New York*\_

Ray and Gabriel get framed. 1989.

**Answer:** \_*Tango and Cash*\_

MacReady runs away from a mighty morphin' alien.

**Answer:** \_*The Thing*\_

15. Answer the following about a World-War I movement in British art FTP each.

Influenced by Italian futurism, this movement depicted the mechanized horrors of war and published T. S. Eliot and Ezra Pound in *The Blast*.

**Answer:** \_Vorticism\_

This novelist/painter, who created the deep, disturbing painting *A Battery Shell*, founded the group.

**Answer:** (Percy) Wyndham \_Lewis\_

Christopher Nevins, son of the radical journalist Henry, created the quintessential Vorticist work when he showed two soldiers wielding this weapon.

**Answer:** \_*Machine Gun*\_

16. FTP each, answer these questions about small marine animals.

This circular ridge around the mouth bears rows of ciliated, hollow tentacles that filter food.

**Answer:** \_lophophore\_

Also known as lampshells, these lophophorates superficially resemble bivalve mollusks.

**Answer:** \_brachiopods\_ or: phylum \_Brachiopoda\_

This animal of subphylum Eleutherozoa adapted lophophores into calcified tube feet, which differentiates it from the "brittle" class Ophiuroidea.

**Answer:** \_starfish\_ or \_sea star\_ or class \_Asteroidea\_

17. Given two works, identify these related English writers for fifteen points each.

*The Tragedy of Gorboduc*, the "Introduction" to *The Mirror for Magistrates*

**Answer:** Thomas \_Sackville\_ first earl of Dorset and Baron Buckhurst

*The Eagle and the Dove*, *The Edwardians*

**Answer:** Victoria \_Sackville-West\_

18. FTP each, answer these questions about events of 1862.

Lincoln released this declaration on September 22<sup>nd</sup>.

**Answer:** \_"Emancipation Proclamation"\_

This nation relinquished its claims to Menton and Roquebrune as part of a treaty with France.

**Answer:** \_Monaco\_

King Otto I, king of this nation, resigned in the face of a military coup.

**Answer:** \_Greece\_

19. 5, 10, 15 – identify these pioneers of intelligence testing.

5 – He worked with Théodore Simon to create the first intelligence test.



**Answer:** Alfred Binet

10 – In 1916, he worked with Maud A. Merrill to create the so-called “Stanford” revision to the Binet-Simon test.

**Answer:** Lewis Madison Terman

15 – This German coined the term “IQ test” in 1914.

**Answer:** Wilhelm Stern

20. FTP each, given a concept car or other futuristic car model, name the company behind its design. DaimlerChrysler worked with this time-keeping company to create the miniscule 100-inch “Smart Car.”

**Answer:** Swatch

It created the seamless 125-inch “Ka” for overseas markets.

**Answer:** Ford

Its butt-ugly “Prius” gas/electric hybrid will go sale in the U.S. next year.

**Answer:** Toyota

21. FTSNOP, answer a famous 1951 spying incident.

For five points each, these two Soviets spies were sentenced to death for espionage.

**Answer:** Judith and Ethel Rosenberg

FTP: This man, deeply involved with the Rosenbergs, picked up a 30-year prison term after being kidnapped by the FBI in Mexico City.

**Answer:** Morton Sobell

FTP: The key prosecution witness, this Navy Bureau of Ordinance engineer testified that he accompanied Sobell to “Catherine Slip,” the NY City drop point where Sobell and the Rosenbergs swapped information.

**Answer:** Max Elitcher

22. Identify these components of the Sackur-Tetrode equation FTP each.

S; the equation solves for this quantity in a perfect monatomic gas.

**Answer:** entropy

$N_A$  (read: N sub A)

**Answer:** Avogadro’s number

k

**Answer:** Boltzmann constant

23. Name these gods of early Babylonian myth.

The god of sweet water, he is the parallel of the Greek Oceanus.

**Answer:** Apsu

Personification of salt water, she birthed a slew of horrid monsters under the command of Kingu.

**Answer:** Tiamat

The son of Ea, he defeated Tiamat’s hordes and organized the universe as supreme god.

**Answer:** Marduk

24. FTP, name these geographic features of North Carolina.

Wilmington and Southport are the best known towns on this coastal inlet.

**Answer:** Cape Fear

This National Seashore, separated from the marshy mainland by Pamlico Sound, is located further up the coast.

**Answer:** Cape Hatteras

This mountain range lies in between the Piedmont and the Appalachian chains.

**Answer:** Blue Ridge Mountains

25. Name these sculptors, 5-10-15.

5 – His sculptural portraits are perhaps his most enjoyable work, but he’s best know for a glowing, gilded sculpture of St. Theresa.

**Answer:** Gianlorenzo Bernini

10 – This Englishman’s *Reclining Nude* is typical of his rough-hewn, organic work.

**Answer:** Henry Moore

15 – His monumental equestrian *Bartolomeo Colleoni* is his best-known work.

**Answer:** Andrea del \_Verrocchio\_

26. FTP each:

He was the court composer to King Louis XIV.

**Answer:** Jean Baptiste \_Lully\_

This middle-class ballet was based on a Molière comedy.

**Answer:** *Le \_bourgeois gentilhomme\_* or *The \_Bourgeois Gentleman\_*

Lully's primary librettist, he created the texts for *Isis*, *Le Triomphe de l'amour*, and *Armide*.

**Answer:** Philippe \_Quinault\_

27. For fifteen points each given a TV show give its host.

*The Twilight Zone*

**Answer:** Rod \_Serling\_

*Bassmasters*

**Answer:** Ray \_Scott\_

Category	TU	BO	First 20	TU	BO	Last 9
History	4	4	4	1	1	1
Science	4	4	4	1	1	1
Literature	3	3	3	1		1/0
Trash	2	2	2	1	1	1
RPM	2	2	2	1	1	1
Art	1	1	1	1	1	1
Music	1	1	1	1	1	
Social Science		1				
Geography	1					
Class Trash	1	1		1		
CE	1	1	1			