

Armstrong Round for Vanderbilt Invitational, February 11-12, 1994

1. In early 1993 he became the director of Cold Spring Harbor Laboratory in New York, after resigning the previous year as head of the Human Genome Project over what he deemed the unethical practice of patenting gene sequences. For ten points, name this scientist whose co-discovery of DNA structure with Crick and Wilkins earned him a Nobel Prize.

ANSWER: James Watson

2. Today they make up only 10% of their nation's population, but lay claim to over 70% of the land. They have also secured exclusive fishing rights in the north for their tribe. For 10 points--identify these indigenous peoples of New Zealand.

Answer: Maoris

3. As a prime minister and virtual dictator, he enjoyed a brief but successful political career. But it was the Kimberly diamond field, not politics, that earned him a fortune. For 10 points--name this British imperialist for whom the nation of Zimbabwe was originally named?

Answer: Cecil Rhodes

4. The Apostle Paul spread Christianity throughout the Mediterranean. Three centuries before Paul, Buddhism was spread throughout India. For 10 points--name the Maurya king whose rock edicts established the state religion.

Answer: Asoka or Ashoka

5. Frances Goldsmith, Tom Cullen, Stuart Redman, and Harold Lauder are among the survivors of Captain Trips, the most devastating plague to ever hit the United States. For 10 points--in which of Steven Kings novels, cut or uncut, do these characters appear?

Answer: *The Stand*

6. This city's nickname is derived from its legendary hostility to foreigners. It is believed that no European set foot there until 1904. In 1959 most of its monasteries were destroyed in a revolt against foreign rule. For 10 points--identify this "forbidden city," the capital of Tibet.

Answer: Lhasa

7. Frank was an American ornithologist, the founder and editor of Bird-Lore; George was an Elizabethan dramatist and contributor to the play Eastward Ho!; John was a pioneer and folk hero who traveled through the Ohio valley wearing a tin pan on his head; while Tracy was known for her "fast car." For 10 points--what's the common last name?

Answer: Chapman

8. Despite its name, it was a land battle and it was fought in North America, not in England. The victorious commander would later be vice-president of the U.S.; the losing general was a Shawnee Indian chief. For 10 points--identify this 1813 battle in which Richard Johnson defeated Tecumseh.

Answer: Battle of the Thames

9. He rose rapidly up the British peerage, becoming a viscount in 1809, an earl in 1812, a marquis same year, and a duke in 1814. In the process he also became the Portuguese marshal-general, Generalissimo of the Spanish armies, and an English field marshal. From 1828 to 1830 he was prime minister of Great Britain. For 10 points--identify this "Iron Duke."

Answer: Arthur Wellsley, or Duke of Wellington

10. Most authors would be delighted to think that their readers enjoyed reading their works time and time again. One author, however, took the unusual step of releasing a work only on computer disk and booby-trapping it so that once read it cannot be read again. For Ten Points, name this author, better known for his award-winning novel, *Neuromancer*.

Answer : William GIBSON.

11. In 1814 he was a 17-year-old musical genius in love with a brilliant 14-year-old soprano named Therese Grob. In a single afternoon he wrote for her his first masterpiece, an adaptation from Goethe's *Faust*. For 10 points--identify this composer of *Gretchen at the Spinning Wheel*.

Answer: Franz Schubert

12. He was not Wilt Chamberlain, but did claim to have slept with over 2000 women in his youth; he was not Giuseppe Verdi, but did write the libretto for the opera *Rigoletto*; although France's greatest lyric poet, he is known to English audiences for his novels. For 10 points--identify this author of *Ninety-Three* and *Toilers of the Sea*.

Answer: Victor Hugo

13. There are a grand total of 64 of them, 61 of them for amino acids and three for termination. For 10 points--identify these basic "vocabulary" units of the genetic code which direct protein synthesis.

Answer: Codons

14. It opened in 1904 with a performance of *On Baile's Strand*. After 47 years in operation, the "luck of the Irish" ran out, and it burned to the ground in 1951. For 10 points--identify this Irish national theater in Dublin.

Answer: The Abbey Theater

15. In his first Presidential election he ran on two tickets in some southern states,

but it was as a Republican, not an Independent, that he won. For ten points, name this Columbia University president and the 34th United States President.

Answer : Dwight D. EISENHOWER

16. It takes up 120,000 square miles of Western Australia and shares its name with a baseball slugger best known for a limping trot around the bases in the 1988 World Series. For ten points, name this desert.

Answer : GIBSON

17. A line of Alexandrine verse. . . the Three Musketeers. . . a Brazilian killer bee. . . and a fathom. For 10 points--what quantifiable characteristic is shared by all these?

Answer: Six Feet

18. John Dryden's tragic play All For Love, or the World Well Lost tells about the last day in the lives of Antony and Cleopatra. We don't know what that exact date is, but we certainly know the year. For 10 points--identify this year, soon after the battle of Actium.

Answer: 30 B.C.

19. Once the drug of choice for treating tuberculosis, its toxicity to hearing and balance led to its eventual replacement. A broad-spectrum antibiotic, its discovery in 1943 was the first of many gram-negative agents. For 10 points--identify this drug developed by Selman Waksman.

Answer: Streptomycin

20. A charged particle moving in a uniform magnetic field will have a trajectory of this shape, because its motion perpendicular to the field is circular, while the motion parallel to the field is straight. For ten points, name this shape, which can also be found in spirochete bacteria and in DNA.

ANSWER: helix (do not accept "spiral")

21. In Hindu mythology, Agastya is the sage who had the ocean spit in his face. In revenge Agastya drank the ocean dry. Thus, he is a more formidable drinker than this Norse god, who was only able to lower the level of the ocean a few feet. For 10 points--name him

Answer: Thor

22. John Bunyan's The Pilgrim's Progress is apparently about a man named Christian who leaves his home on a journey to the Heavenly City. However, it is clear that Christian stands for any Christian man and his journey represents

the temptations of life on earth. For 10 points--what is the literary term which identifies such an extended simile?

Answer: Allegory

23. He died in a stagecoach accident in 1835, after a long and illustrious career. He served in the Continental Army, the Virginia legislature, became minister to France, and was elected to the House of Representatives, before becoming secretary of state under John Adams. Then he landed the job for which he is best remembered. For 10 points--name this man whose name is entwined with those of Marbury, McCulloch, and Gibbons.

Answer: John Marshall

24. It is to Africa what the Indo-European language family is to Europe. For 10 points--identify this "mother-tongue" of Swahili, Xhosa, and Zulu.

Answer: Bantu

25. The Prague Spring landed him in hot water. First he was arrested by Soviet troops, then he was expelled from the Communist Party. Twenty years later he returned as speaker of the Czech parliament. For 10 points--name this resilient politician.

Answer: Alexander Dubcek

26. Volcanic in origin, three-fourths of its area is a national wildlife refuge inhabited by bears. Although located in the Bering Sea, it is heated by warm Japanese currents. For 10 points--what is this largest of Alaskan islands.

Answer: Kodiak

27. IN NOVEMBER 1993, THE BRITISH GOVERNMENT RELEASED 1,273 FILES HE RECEIVED IN THE BEGINNING OF WWII, BUT NONE OF THEM REVEAL WHETHER HE KNEW OF THE ATTACK ON PEARL HARBOR AND REFUSED TO ALERT ROOSEVELT. FOR 10 POINTS--NAME THIS BRITISH PRIME MINISTER.

ANSWER: WINSTON CHURCHILL

28. ACCORDING TO HIS LAWYERS, RONALD KUBY AND WILLIAM KUNSTLER, THIS BLIND 55-YEAR-OLD IS PREPARED TO REPRESENT HIMSELF, EVEN THOUGH HE ONLY SPEAKS ARABIC. FOR 10 POINTS--NAME THIS EGYPTIAN CLERIC CHARGED WITH CONSPIRING IN THE WORLD TRADE CENTER BOMBING.

ANSWER: SHEIK OMAR ABDEL RAHMAN

29. FOR SOME, LIKE FRANK KELLOGG, GEORGE MARSHALL, AND LEWIS CASS, IT WAS THE HIGHEST OFFICE THEY EVER HELD. FOR OTHERS, LIKE JAMES BUCHANNAN, MARTIN VAN BUREN, AND JOHN QUINCY ADAMS, IT WAS A STEPPING STONE ON THE WAY TO THE PRESIDENCY. FOR 10 POINTS—NAME THIS CABINET POST, CURRENTLY OCCUPIED BY WARREN CHRISTOPHER.

ANSWER: SECRETARY OF STATE.

30. PINTAIL, BALDPATE, WIDGEON, SHOVELER, GARGANEY, GADWALL, POCHARD, CANVASBACK, SCAUP, SCOTER, GOLDENEYE, EIDER, WOOD, HARLEQUIN, TEAL AND MALLARD ARE ALL SPECIES OF—FOR TEN POINTS—WHICH TYPE OF BIRD?

ANSWER: DUCK

Bonuses submitted by  
Armstrong St. College for the  
Vanderbilt Invitational, February 11-12, 1994

1. (30 Points) 30-20-10. Give the number.

1) It is the wavelength in centimeters produced by cold ionized clouds of hydrogen in space.

2) It is the number of demands that Japan presented China in 1915.

3) It is a popular card game.

Answer: Twenty-one

2. (20 Points) In 1884, Teddy Roosevelt and Henry Cabot Lodge, Sr. were the two most famous "mugwumps" in America. They qualified for this distinction by bolting the Republican Party that year to support the Democratic presidential candidate. For 10 points apiece—who were, in order, the Republican and the Democratic candidates that year?

Answer: James G. Blaine (Republican) and Grover Cleveland (Dem.)

3. (20 Points) The language of science is often intentionally obscure. For 10 points each—what relatively common terms have these more complicated definitions:

1) A solid ionic compound made up from a cation (CAT-eye-on) other than hydrogen and an anion other than OH<sup>-</sup> or O<sub>2</sub><sup>-</sup>.

Answer: Salt

2) That temperature at which the vapor pressure of a liquid equals the applied pressure.

Answer: Boiling Point

4. (20 Points) Albert Einstein did more than discover relativity in 1905. For 10 points each—what two-word name is given to the physical phenomenon which he first explained in a 1905 paper entitled:

1) "On a Heuristic Viewpoint Concerning the Production and Transformation of Light"?

Answer: Photoelectric Effect

2) "On the Motion of Small Particles Suspended in a Stationary Liquid..."

Answer: Brownian Motion

5. (20 Points) Consider the following set of integers: 6, 4, 22, 7, 31, 4, and 10. For 5 points apiece or 20 points for all three:

- ✓ 1) What is the mean? Answer: 12
- ✓ 2) What is the median? Answer: 7
- ✓ 3) What is the mode? Answer: 4

6. (30 Points) For 10 points apiece--what kind of North American bird includes these colorful species:

✓ 1) Great black-backed, Ivory, Slaty-backed, Yellow-footed, White-headed, Common Black-headed, and White-winged?

Answer: Gull or Seagull

✓ 2) Ivory-billed, Brown-backed, Golden-fronted, White-headed, Red-bellied, and Red-headed?

Answer: Woodpecker

✓ 3) Lazuli, Snow, Painted, and Indigo?

Answer: Bunting

7. (30 Points) In Spain, the rain falls mainly on the plain. For 10 points each--on what would it be falling if it rained on:

✓ 1) The vast grassy plains of Argentina?

Answer: Pampas

✓ 2) The subtropical grasslands of Africa known for its large herds of grazing animals?

Answer: Savanna

✓ 3) Finally, the grassy plateaus of the Republic of South Africa?

Answer: Veld or Veldt

8. (20 Points) In London, one might take "the tube" to get from Charing Cross to Victoria Station. For 5 points apiece (or 20 points for all three)--which tube in the human body:

✓ 1) Connects the middle ear to the pharynx?

Answer: Eustachian Tube

✓ 2) Connects the trachea to the lungs?

Answer: Bronchial Tube

✓ 3) Connects the ovaries to the uterus?

Answer: Fallopian Tube

9. (20 Points) For 10 points each--what two-word name is given to the major U.S. foreign policy program first enunciated:

— 1) In a December 2, 1823 presidential speech to Congress?

Answer: Monroe Doctrine

— 2) In a June 5, 1947 Harvard commencement speech by the U.S. secretary of state?

Answer: Marshall Plan



10. (25 Points) The transmission of malaria is dependent upon two particular organisms--one an insect, the other a protozoan.

1) For 10 points--give the genus of the only mosquito capable of transmitting malaria.

Answer: Anopheles (a-NOF-eh-leez)

2) For 15 points--what is the genus of the only species of protozoans which actually cause malaria?

Answer: Plasmodium or Plasmodia

11. (30 Points) The Nile's rising waters forced the relocation of 80,000 people and submerged many historic sites, including the temple of Abu Simbel.

For 10 points each:

1) What 375-foot-high dam, financed by the Soviet Union, impounded the Nile?

Answer: Aswan High Dam (not Aswan Dam)

2) Within two years, in what year was the Aswan High Dam completed?

Answer: 1970 (Accept: 1968 to 1972)

3) Finally, what is the name of the reservoir created by this dam?

Answer: Lake Nasser

12. (20 Points) For 10 points apiece--give these similarly sounding terms from the fields of anatomy/physiology:

1) The gap between the axon of one neuron and the dendrite of another.

Answer: Synapse

2) The process in mitosis which the double-stranded homologous chromosomes pair up and twist around each other.

Answer: Synapsis

13. (20 Points) Cheddar is an English and Roquefort is a French variety of cheese. For 5 points apiece--what is the country of origin of these cheeses:

1) Gouda (GOO-da) Answer: Holland or Netherlands

2) Feta (FEH-ta) Answer: Greece

3) Limburger Answer: Belgium

4) Liederkranz Answer: United States or USA

14. (20 Points) Energy, power, or force? For 5 points each--which can be measured in:

1) Watts Answer: Power

2) Ergs Answer: Energy

3) Newtons Answer: Force

4) Calories Answer: Energy



15. (20 Points) At the beginning of 1994, gold was selling for \$390 an ounce and silver at \$5.20 an ounce--both well below their January 1980 highs. For 10 points each:

1) Within \$25, what did gold sell for at its all-time high?

Answer: \$875 an ounce (Accept: \$850 to \$900)

2) Within \$5, what did silver sell for at its high?

Answer: \$50 an ounce (Accept: \$45 to \$55)

16. (30 Points) The major characters in Shakespeare's tragedies are usually not left standing for the final curtain. For 10 points apiece--which IF ANY of the following characters are left alive at play's end:

1) In Hamlet: Hamlet, Horatio, Claudius, or Gertrude

Answer: Horatio

2) In King Lear: King Lear, Cordelia, or the Fool

Answer: None or No one

3) In Macbeth: Macbeth, Lady Macbeth, Macduff, or Duncan

Answer: Macduff

17. (30 Points) Formal logic has a language all its own. For 10 points each--in logic what is the NAME given the following connectors:

1) The connector that requires both statements to be true to yield a true result?

Answer: Conjunction

2) The connector that requires at most one of the two statements to be true to yield a true result?

Answer: Disjunction

3) The connector that requires exactly one of the two statements to be true to yield a true result?

Answer: Exclusive Disjunction

18. (20 Points) Sinclair Lewis refused the 1926 Pulitzer Prize because that prize was instituted to celebrate the wholesomeness of American life and values. For 5 points apiece--name the Sinclair Lewis novel which attacked these mainstays of American life:

1) Religious evangelism

Answer: *Elmer Gantry*

2) Medicine and scientific truth

Answer: *Arrowsmith*

3) Small town American life in Gopher Prairie

Answer: *Main Street*

4) Middle class values in Zenith, the Zip City

Answer: *Babbitt*

19. (20 Points) Oxides, not too surprisingly, all contain oxygen. These four oxides each also contain one commercially important metal. For 5 points apiece--what's the only other element besides oxygen in:

- 1) Corundum Answer: Aluminum
- 2) Cuprite Answer: Copper
- 3) Magnetite Answer: Iron
- 4) Cassiterite Answer: Tin

20. (20 Points) During the Constitution's bicentennial year, television stations, newspapers, and magazines all profiled the signers of that document. Let's see if you listened or read. For 5 points each--what state was represented by:

- 1) Roger Sherman Answer: Connecticut
- 2) Gouverneur Morris Answer: Pennsylvania
- 3) Rufus King Answer: Massachusetts
- 4) William Paterson Answer: New Jersey

21. (30 points) Napoleon called England "a nation of shopkeepers." For 10 points each--which European nations or regions have been nicknamed:

- 1) the Sickman of Europe Answer: Turkey or Ottoman Empire
- 2) the Tinderbox of Europe Answer: the Balkans
- 3) the Cockpit of Europe Answer: Belgium

22. (30 points) In 1938 Ernest Hemingway wrote two famous short stories in each of which an American dies while on an African safari. In one, the protagonist dies of gangrene while, in the other, he is shot by his wife. For 15 points each--name these two stories.

Answer: *The Snows of Kilimanjaro* and *The Short Happy Life of Francis Macomber*

23. (20) Identify each of these aquatic locations near Britain for five points each with a five point bonus for all 3.

a) It's the name for the narrowest part of the English Channel where France and England are barely 20 miles apart.

Answer : STRAIT OF DOVER.

b) It's analogous to the Strait of Dover, but is between England and Ireland.

Answer : NORTH CHANNEL.

c) It's name does not, as some might think, mean "First of Four."

Answer : FIRTH OF FORTH.

24. (20 points) Amadeus was the last musical to win the Academy Award for best picture. For 5 points each, 20 for all three--complete these statements about other Academy Award winning movies:

1) Cimarron was the only "Blank" to win best picture?

Answer: Western

2) Wings was the only "Blank" film to win best picture?

Answer: Silent (accept equivalents)

3) Midnight Cowboy was the only "Blank" movie to win best picture?

Answer: X-Rated

25. (30) IDENTIFY THESE ANATOMICAL PARTS FOR 10 POINTS EACH:

A. THIS IS THE MAIN TRUNK OF THE PARASYMPATHETIC NERVOUS SYSTEM.

ANSWER: VAGUS NERVE

B. THIS IS THE MUSCULAR WALL THAT DIVIDES THE HEART LENGTHWISE.

ANSWER: SEPTUM

C. THIS IS THE TUBE THAT CONNECTS THE KIDNEYS WITH THE URINARY BLADDER.

ANSWER: URETER (DO NOT ACCEPT: URETHRA)