

**Vanderbilt University** Toss-Ups for Dr. Suess Memorial  
Questions by Dave Shroyer, Brian DeLong, and Keith Hudson  
To be used the weekend of Jan. 31-Feb.1 1992

- ✓ 1) Well, scientists think they have found the impact site of the deadly meteor which killed the dinosaurs. FTP, the site is off the Yucatan peninsula in what country?

Mexico (accept Yucatan on early buzz)

- ✓ 2) Robert Henri, John Sloan, George Luks, William Glackens, and Everett Shinn were some of the members of this art group known by such epithets as "the apostles of ugliness" and "the black gang." FTP, what name is most frequently given to this early 20th century American art movement?

Ash-can (more specific if realism is given)

- ✓ 3) His father was superintendent of the New Jersey State Police in 1932 and conducted the investigation of the Lindbergh baby kidnapping. FTP, name this Willard Scott look-alike army general.

H. Norman SCHWARTZKOPF

- ✓ 4) H. Jackson Browne took the world by storm this year. He published a book on how to live your life successfully. FTP, name this book published in Nashville.

Life's Little Instruction Book

- ✓ 5) Scientists think they may have found the reason why some people are homosexual. They found that a neuron cluster is missing in gay men. FTP, in what gland is this cluster found?

hypothalamus

6) Pencils ready. Given segment PT is tangent to circle O and segment OT is a radius, if the measure of OT equals six and the measure of segment PO equals nine, FTP, what is the measure of segment PT?

Square root of 45 or 3 times the Square root of 5

7) On January 18, 1992, Vern Whitmire was contaminated with radioactive dust in this state. This was caused by an explosion at the Susquehanna Nuclear Plant in, FTP, what state?

Pennsylvania

8) You probably all know that Christopher Lloyd starred as Uncle Fester in the recent Addams Family, but FTP, what child star of the 30's and 40's starred as the original Fester?

Jackie COOGAN

9) Types of these include aerosols, foams, emulsions, and solid foams. Examples include whipped cream, milk, fog, and paint. FTP, what are these particles that are larger than normal molecules, but that are nevertheless small enough to remain suspended in a dispersing medium indefinitely?

colloids

10) It has been printed, read, and translated more often than any book other than the Bible. Its characters include Pliable, Mr. Worldly Wiseman, Evangelist, and Christian. FTP, what is the title of this work written by John Bunyan?

The Pilgrim's Progress

11) You may not know who Lawrence Herkimer is, but chances are you have seen the invention to which he owns a very profitable patent. Thinking there was a need for something more colorful on the football field than the chrome stick the girls were twirling, he took a wooden stick and attached a few crepe-paper streamers to it. FTP, name the cheerleading device he created.

pom-pom

12) It's named for its 17th century inventor, a British colonel. It's a thin latex protective sheath, designed to prevent venereal infections. FTP, name this invention which is being advertised strongly on TV stations like MTV.

Condom

13) Its name is Indian for "place of small springs" and in it is the village of Oraibi, the oldest continuously inhabited town in the U.S. Some of its famous natives are Bruce Babbitt, Sandra Day O'Connor and Cochise. FTP, name this state, the 48th to join the Union.

Arizona

14) Singular, it's either a woman's short hair cut, large coarse waterworn gravel, or a wege-shaped piece of wood or slate. Plural it refers to herpes zoster, a disease much like chicken pox. FTP, name this common word, which is used more frequently to refer to the pieces of slate used to cover a roof.

shingle

15) It tells with haunting sympathy and piercing immediacy the story of Janie Crawford's evolving selfhood through three marriages. Crawford finds satisfaction only through her third marriage, a marriage with a younger man named Tea Cake. FTP, what is the title of this novel set in Florida, and written by Zora Neale Hurston?

Their Eyes Were Watching God

16) Its molecules vary in molecular weight from 5000 to more than 5 million. Concentrated in the muscles and the liver, it acts as a kind of energy bank in the body. In muscles, it serves as an immediate source of energy; in the liver, it serves as a storage place for glucose and helps to maintain a constant glucose level in the blood. FTP, what is this starch-like substance synthesized in the body?

glycogen

17) She has a charming voice and is married to a man named Tom. Nick is her second cousin once removed. She lives in one of the fashionable homes of East Egg. FTP, who is this character created by F. Scott Fitzgerald?

DAISY Buchanan

18) Texas, New Mexico, and Arizona were mentioned in it, but not California; of course, the author was probably not really familiar with their history - he just supposed Mexico wanted them back. FTP, name the author of this famous polarizing telegram of World War I.

Arthur ZIMMERMAN

19) If you see a basketball recruiter from the De Vry Institute of Technology in Decatur, Georgia in your area, don't be surprised. They're probably looking for defensive help after giving up 258 points to, FTP, what Division II school in Alabama?

Troy State

20) These names may sound like Shakespearean characters, but Cordelia, Ophelia, Bianca, Cressida, Desdemona, Juliet, Portia, Rosalind, Belinda, and Puck are actually moons around, FTP, what planet?

Uranus

21) Pencils ready. For a quick ten points, find the inverse function of the function  $f$  of  $x$  equals  $4x + 7$ .

quantity  $x$  minus seven, divided by four (or  $f$  inverse of  $x$  equals . . .)

22) They are normally either anions or polar molecules and they have at least one unshared pair of valence electrons. FTP, what are these molecules or ions that surround a metal ion in a complex known as?

ligands

23) This village in western Bosnia-Herzegovina once drew over one million visitors per year, but the war in Croatia has effectively stopped pilgrimages to the area. FTP, name this village where an image of the Virgin Mary was seen in 1981.

Medjugorje (med - YOU - gor - yee)

24) They were finally exposed as a hoax. Two Englishmen with a four foot board and a piece of string were the cause. FTP, name these phenomena plaguing the English countryside, originally thought to have been caused by UFO's.

Crop circles

25) The world is gearing up for the 1992 Winter Olympics, and I for one cannot wait, since my favorite winter sport is now part of the festivities. In it a smooth, heavy object is slid along a narrow field of ice, being directed by people with brooms. FTP, which sport is this, added to the games in 1988?

Curling

26) Aflatoxin is a poison which mutates genes in the human liver such that it replaces one guanine nucleotide with a thymine. FTP, this deadly poison is most commonly found in a fungus growing on what legume?

peanut

27) It is widely believed among geologists that Maat Mons may have been the site of recent volcanic activity and not a single person witnessed it. That's because, FTP, Maat Mons can be found in what uninhabitable locale?

Venus

28) Crosby, Stills, and Nash in 1969. Natalie Cole in 1975. America in 1972. Cyndi Lauper in 1984, and Milli Vanilli in 1990. FTP, what special award do all of these share?

the Best New Artist Grammy

29) In the year 594 B.C., the Athenians gave the archonship to this man, one of the most forward looking statesmen of ancient Greece. On entering office, he cancelled all debts on land and person, forbade anyone in the future to offer his body as a security for a loan and made wealth the sole qualification for office, but he did not redistribute the land. FTP, who was this reform minded statesman, who all but disappears from Greek history in 585 B.C.?

### Solon

30) It began over the conflicting claims of two monarchs to the territories of Gascony, Aquitaine, and Flanders. Some of the important battles included Crecy, Poitiers, and Orleans. FTP, what is this conflagration, usually identified by a misnomer, which lasted over a century?

### The Hundred Years' War

**Vanderbilt University Bonuses for Dr. Suess Memorial**  
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For use the weekend of Jan.31-Feb.1 1992.

- X (30) 1) Here's your chance to display your knowlege of topology. You will receive 10 points for each correct response. Given each surface, what is the minimum number of colors needed to color all possible maps drawn on the surface 1) sphere 2) projected plane 3) klein bottle

- 1) four ✓  
2) six ✓  
3) six ✓

- X (30) 2) All European languages today are Indo-European with three notable exceptions. FTP each name the 3 non-Indo-European languages spoken today.

Basque, Finnish, Hungarian

- X (30) 3) In Catholic doctrine there are seven sacraments. You will receive 5 points for the first and 5 more points for each additional pair you can name. A 5 point bonus will be awarded if all are correct. An additional 5 points will awarded if you can identify the only sacrament a priest is not necessary for the administration of.

Baptism, Confirmation, Penance, The Eucharist, Extreme  
Unction, Marriage, and Holy Orders; Baptism

- X (30) 4) 30-20-10 Name the artist from his works.  
30- Baldassarre Castiglione & Madonna With the Goldfinch  
20- Marriage of the Virgin & Galatea  
10- The School of Athens

Raphael

(30) 5) Are you up to date with your astronomy? We'll soon find out. For 5 pts. each, arrange these celestial bodies in decreasing order of size - Earth's moon, Europa, Ganymede, Mercury, Pluto, and Titan.

Ganymede. Titan. Mercury. Earth's moon. Europa. Pluto

(30) 6) For 10 pts. each, give the name of each of the foreign locations from the description.

- 1) It is known as "the Lost City of the Incas"
- 2) The Temple of Artemis was located here
- 3) This now abandoned city was the largest in the world in the year AD 1000.

1) MACCHU PICHU, Peru 2) EPHESUS, Turkey 3) ANGKOR, Cambodia

(30) 7) Answer the following questions concerning literary inspirations.

- 1) What fictional character was inspired by the life of Dr. Joseph Bell?
- 2) What work was inspired by the adventures of Alexander Selkirk?

1) Sherlock Holmes 2) Robinson Crusoe

(25) 8) 5 Pts each for identifying the literary character.

- 1) His portrait grows old while he remains young
- 2) He was the captain of the H.M.S. Bounty
- 3) This simple but strong man dreams of a rabbit farm
- 4) He relates how he was kidnapped and taken to Shangri-La
- 5) He changes clothes with the Prince of Wales

1) Dorian Gray 2) William Bligh 3) Lennie Small 4) Hugh Conway  
5) Tom Canty



- X (25) 9) Gemstones, such as ruby and emerald, owe their color to the presence of trace amounts of transition metal ions. Replacing a fraction of the aluminum in the colorless mineral produces several different gems. You will receive 5 pts. for each correctly matched pair. The gems are ruby, amethyst, topaz, and sapphire. The transition elements are manganese, chromium, titanium, iron, and cobalt. Note: two elements form sapphires.

ruby - chromium ✓  
amethyst - manganese ✓  
topaz - iron —  
sapphire - titanium, cobalt ✓

- X (20) 10) For the past two college football seasons, the AP poll and the coaches' poll have each named different national champions. For 5 pts. each, give the *cities* in which you could find the campuses of the 1990 and '91 co-champs.

Boulder (Colorado), Atlanta (Georgia Tech), Seattle (Washington),  
Coral Gables (Miami--ask for "more specific" on "Miami")

- X (30) 11) Back in the good old days of communism, Nikolai Ceaucescu officially replaced the "u" in Rumania with an "o" to signify the Roman heritage of his nation. But, in reality, Rumania arose from the merger of two principalities in 1858. For 15 pts. each, name them.

Wallachia (wa - Lake - ee - uh) and Moldavia

- X (30) 12) 5 - 10 - 15 Medical acronyms bonus. Demonstrate your knowledge by giving the complete names of the following medical devices: for 5 points) CAT scan, 10) PET scan 15) RIA

CAT - computerized axial tomography ✓  
PET - positron emission trans-axial tomography —  
RIA - radioimmunoassay —

- (30) 13) 30-20-10 Identify the author from the works given  
30-the poems "Morning Song" and "Death and Co."  
20-the poems "The Applicant" and "Daddy"  
10-the novel The Bell Jar

Sylvia PLATH

(30) 14) 30-20-10 Identify the country

30 - Previously named the French Sudan, this country was an early stronghold of civilization with the rise of the Songhai Empire in 1460.

20 - It gained independence on Sept. 22, 1960 with Modibo Keeto as its first president

10 - Major cities include Segou, Mopti, Timbuktu, and its capital, Bamako

### Mali

(30) 15) 30-20-10 Name the author from the works given.

30 - Sweet Thursday, Pastures of Heaven

20 - The Moon is Down, The Pearl

10 - Travels with Charley, East of Eden

### John STEINBECK

(30) 16) 30-20-10 Identify the artist from the works given.

30 - Massacre at Chios, The Women of Algiers

20 - Fanatics of Tangiers, Dante and Virgil Crossing the Styx

10 - Greece, On the Ruins of Missolonghi, Liberty Leading the People

### Eugène DELACROIX

(30) 17) In Greek mythos, while a certain hero was away, a centaur tried to woo and make love to his wife. The hero returned and killed the centaur with a poisoned arrow. Before dying, the centaur gave his blood-stained shirt to the wife, telling her it would keep her husband faithful. The hero dons the shirt and is immediately killed. FTP each, name the hero, the wife and the centaur.

Heracles(accept Hercules), Deianeira (Dye - uh - Nye - ruh) and Nissus (respectively)

(25) 18) To every thing there is a season. Given 5 denizens of Earth's yesteryear, place them in chronological order (oldest to most recent) for 5 points each. They are: Iguanodon, Stegosaurus, Ankylosaurus, Dimetrodon, and Apatosaurus.

Dimetrodon (lower Permian), Stegosaurus (lower Jurassic), Apatosaurus (upper Jurassic), Iguanodon (lower Cretaceous), Ankylosaurus (upper Cretaceous)

(30) 19) 30-20-10 Identify the playwright from his works.  
30 - Gold, All God's Chillun Got Wings  
20 - Ah, Wilderness!, The Great God Brown  
10 -Anna Christie, Desire Under the Elms

Eugene O'NEILL

(30) 20) Your job is to name these three Nobel laureates in Chemistry. If you only need the year to name the scientist, you'll get 10 points each; if you need more info, a second clue will be given and you'll get 5 points each.

Scientist 1: (10-pt.) 1920. (5-pt.) This German won for his work in thermochemistry.

Scientist 2: (10-pt.) 1958. (5-pt.) This Brit won for work on protein structures, primarily insulin.

Scientist 3: (10-pt.) 1990. (5-pt.) This American won for his work on retrosynthesis as well as stereoselective reductions.

1) Walther NERNST 2) Frederick SANGER 3) Edwin J. COREY

(25) 21) Given a list of cities, name the river that connects them for 5 points each.

- 1) Freetown, Niamey, Timbuktu, Bamako
- 2) Vientiane and Phnom Penh
- 3) Pueblo, Dodge City, Wichita, Tulsa, Fort Smith
- 4) Arles, Lyon, Geneva, Avignon
- 5) Albuquerque, Las Cruces, El Paso, Laredo

1) Niger 2) Mekong 3) Arkansas 4) Rhone 5) Rio Grande

(30) 22) 30-20-10 Identify the scientist.

30 - He shared the 1954 Nobel Prize in Physics with Walther Bothe.

20 - He received the award for his work in quantum mechanics, especially for his statistical interpretation of the wave function.

10 - His granddaughter is the mega superstar Olivia Newton-John.

Max BORN

(25) 23) How well do you remember the theme songs from James Bond movies? Given a song, for 5 points each, name the artist who performed it in the movie.

1) "A View to a Kill" 2) "Goldfinger" 3) "Live and Let Die" - not Guns 'N Roses 4) "For Your Eyes Only" 5) "Nobody Does It Better" - from The Spy Who Loved Me

1) Duran Duran 2) Shirley BASSEY 3) Wings 4) Sheena EASTON 5) CARLY SIMON

(25) 24) Maria loves Hans but her father decides to marry her to Wenzel, who stutters. Hans settles on a payment not to marry Maria while she tricks Wenzel into avoiding his future wife. Maria and Hans eventually marry and keep the money. 1) For 15 points, this is the plot of what opera? 2) For 10 points, who wrote The Bartered Bride?

1) The Bartered Bride 2) Smetana

(25) 25) Rhode Island became the first colony to banish slavery. The first American coins are minted in Boston. Lady Deborah Moody of Long Island is the first American woman to vote. The first Quakers arrive in America. For 25 points, in what decade did these events occur?

1650s

(20) 26) Answer these questions from the Interesting Coincidences Department for 10 points each.

1) What Samuel Beckett play shares its name with a semi-instrumental song on R.E.M.'s latest album, Out of Time?

2) What William Inge play shares its name with the song about "a young man at odds with the Bible" on Tin Machine's debut album?

1) Endgame 2) Bus Stop

(25) 27) Two golfers have shot a round of 59 in a PGA event. FTP each, and a 5-point bonus for both, name them

Al GEIBERGER and Chip BECK