

Tossups
by Tom Waters

1. No College Bowl tournament would be complete without a question about the Montgolfier brothers, Joseph and Jacques. But this question concerns another balloonist named Jacques, who in 1783, became the first to ascend in a hydrogen balloon. For 10 points, name this scientist, whose knowledge of gases enabled him to duplicate his countrymen's feat.

Jacques Charles (pronounced Sharl)

2. When Australia and New Zealand commemorate ANZAC Day this April 25th, it will be the 70th anniversary of that short-lived army corp's most decisive action. For 10 points, name the disastrous battle of the Dardanelles which decimated ANZAC.

Gallipoli

3. Their publication, "Every Man His Own Football" featured paintings titled "Chocolate Grinder," "Chromatic Fantasy," and Squares Arranged According to the Laws of Chance." For 10 points, name this early 20th century art movement.

Dadaism

4. Many vision problems are caused by a distorted lens. One disorder results from an assymetrically curved cornea. For 10 points, name this correctible condition.

Astigmatism

5. For 10 points, of the Seven Wonders of the Ancient World, only one was located on the European continent. Name it.

Statue of Zeus at Olympia (by Phidias)

6. In the 2nd century B.C. there were only two. Another one came along in the 4th century A.D. By the time of the invention of printing, in 1450, there were 33. By 1800 there were 71, and today there are approximately 253, including Swahili and Algonquian versions. For 10 points, what?

Bible Versions (Translations)

7. It is the softest of all metals, and the most reactive. Its hydroxide is the strongest base known, attacking even glass. For 10 points, name this element between rubidium and francium in Group I of the Periodic Table.

Cesium

8. Olympus was the abode of the Greek gods and the Olympics were primarily Greek games. One modern event traces its origin to the worship of a Norse god. For 10 points, name this field event at which Thor excelled.

Hammer throw

9. Charles Pinckney came along eight centuries too late to help Ethelred II. If not, he would surely have counseled "not one cent for tribute." For 10 points, what tax did Ethelred raise to buy off Scandinavian invaders?

Danegeld

10. At 1,200 feet above sea level it is the highest city on the watershed between the Great Lakes and the Mississippi, and its name comes from the Greek for "high place." For 10 points, name this Ohio city, site of the famous Soap-Box Derby.

Akron

11. He was exiled in Cuba when his war-torn homeland revolted and, like Lenin, was allowed back in through a blockade. Unlike Lenin, he refused to act for peace, and instead led his country's army until defeated by General Winfield Scott. For 10 points, name this Mexican statesman.

Santa Ana

12. While he was serving in the Navy in World War I, a wood splinter penetrated his upper lip and stiffened it, giving him a physical characteristic that became his trademark. An early hit was as Duke Mantee in "The Petrified Forest." For 10 points, name the actor.

Humphrey Bogart

13. Throughout the Roman and Byzantine periods, this city was known as Philadelphia. The Moslems renamed it in 635, and in 1921 King Abdulah made it the capital of newly created Trans-Jordan. For 10 points, name it.

Amman

14. The name's the same: A system of library classification; part of the human intestine; a typographical mark; and the monetary unit of El Salvador and Costa Rica. For 10 points, what's the word?

Colon

15. For 10 points, what state do you associate with the Wakarusa War, the Pottawatomie Massacre, and the Sack of Lawrence?

Bleeding Kansas

16. This city was laid out in the shape of an airplane, which was appropriate because at the time of its completion in 1960, the roads had not yet found it through the jungle. For 10 points, name this South American capital.

Brasilia, Brazil

17. It is the common name given to those nine elements of Groups IB, VIIB, and VIII of the Periodic Table, noted for their outstanding resistance to oxidation. For 10 points, name this class of elements which includes Osmium, Palladium, and Gold.

Nobel Metals

18. Around a 9th century convent, a tiny settlement formed which, from its easily defensible perch on a rocky mountain top, remained immune to conquest. Its independence was formally recognized by Pope Urban VIII in 1631, and endures by the courtesy of the Italian government, which finds little there to tax. For 10 points, name this Republic.

San Marino

19. It was originally awarded by the Library of Congress, but its first winner was so controversial that the sponsorship was transferred to the Yale University Library. For 10 points, name this American poetry award whose first recipient was Ezra Pound.

Bollingen Prize

20. Its name means literally "where the sun sinks into the sea." In 1972 President Nixon tried to make its ships sink into the sea, by mining the harbor. For 10 points, name this Vietnamese port.

Haiphong

1. 25 points - It was as a preacher that he was celebrated among his contemporaries. Late in life he turned to art. William Penn and other Quakers appeared in his primitive pictures, the most famous of which survives in over 25 versions. For 25 points, name the Pennsylvanian folk artist whose painting "The Peaceable Kingdom" depicts his belief in justice and gentleness between all.

Edward Hicks

2. 30 points - 30 points if you can identify this writer after one of his works, 20 after two, 10 if it takes you all three.
 1. "On Murder Considered as one of the Fine Arts"
 2. "On the Knocking at the Gate in Macbeth"
 3. "Confessions of an English Opium-Eater"

Thomas de Quincey

3. 25 points - William Shakespeare relied on Holinshed's Chronicle for much of his material. Four plays are based on Plutarch's Lives. For 5 points each, 25 if you get all four, name them.

Julius Caesar, Antony & Cleopatra, Coriolanus, Timon of Athens

4. 25 points - Hydrogen is the most abundant element in the universe. It is more widespread than the five next most common elements. For 5 points apiece, any order, name these five elements.

Helium, Carbon, Nitrogen, Oxygen, Neon

5. 20 points - All we know of his life is that he married at age 33 and had a son who died at age 42, four years before his own death at 84. This information comes from the solution of an arithmetic epigram contained in his work. For 20 points, identify this 3rd century Greek mathematician who introduced symbolism into Algebra.

Diophantus of Alexandria

6. 20 points - It is North America's northernmost ice-free port and was designed as a gateway to the Yukon. It is connected to Fairbanks by the Richardson Highway, but is best known as the southern terminus of the oil pipeline from Prudhoe Bay. For 20 points, name this Alaska city.

Valdez

7. 20 points - The midwest is known for more than just corn and college football. For 10 points apiece, what midwestern universities are the homes of the following:
 - a) The Kinsey Institute for Sex Research Univ. of Indiana
 - b) Encyclopedia Britannica Univ. of Chicago

8. 20 points - A mine gas is called a damp. Its proper identification is a life or death decision. For 5 points each, give the name or chemical formula of the mine-gas referred to as:

a) firedamp	CH ₄ - methane
b) whitedamp	CO - carbon monoxide
c) blackdamp	CO ₂ - carbon dioxide
d) stinkdamp	H ₂ S - hydrogen sulfide

9. 20 points - One of the least felicitous phrases in the Bible is Judges, Chapter 4, verse 21, "His brains oozed out on the ground, his limbs twitched, and he died." For 20 points, whose death was so described after Jael struck him with a tent-peg, fulfilling the prophecy of Deborah?

Sisera

10. 30 points - A bachelor's little black book would contain phone numbers. For 15 points apiece, what would the following contain or be concerned with:
- | | |
|----------------------|---|
| a) Project Blue Book | <u>UFOs</u> (Flying Saucers) |
| b) The Red Data Book | <u>Endangered Species</u>
(rare animals) |
11. 30 points - By the year 600, England was more or less politically divided into seven Anglo-Saxon Kingdoms, called the Heptarchy. Wessex was one of these. For 5 points each, name the other six.

Sussex, Essex, Mercia, East Anglia, Kent, Northumbria

12. 30 points - Thirty points are yours if you identify this region after one clue, 20 after two, 10 if you need all three.
1. It is reckoned as the world's oldest Christian state, dating from Tiridates' conversion in the 3rd century.
 2. Mt. Ararat is located in its Turkish section.
 3. Its people were the target of genocidal attacks by the Ottoman Sultan, a fact which accounts for some modern terrorists' antipathy to Turkey.

Armenia

13. 30 points - Fraunhofer lines would be found in a spectrum. For 15 points apiece, where would a scientist find:
- | | |
|---|----------------------------|
| 1. Bowditch curves & Lissajou figures | <u>Oscilloscope</u> screen |
| 2. Neumann lines & Windmanstatten lines | <u>Meteorites</u> |
14. 20 points - Plato wrote a dialogue called The Apology. For 5 points each, who wrote the following
- | | |
|---|----------------------------|
| a) An Apology for the Life of Mrs. Shamela Andrews | Henry <u>Fielding</u> |
| b) Apologia pro vita Sua | John Henry <u>Newman</u> |
| c) Apology for Raymond Sebond | Michel de <u>Montaigne</u> |
| d) An Apology for the Life of Mr. Colley Cibber, Comedian | Colley <u>Cibber</u> |

15. 25 points - If Edgar Allen Poe is the creator of the modern detective story, then A. August Dupin is the first modern detective. Dupin appeared in three of Poe's stories. For 5 points, name one, for 25 points, name two, for 25 points name all three.

Murders in the Rue Morgue
The Purloined Letter
The Mystery of Marie Roget

16. 30 points - Human blood contains three classes of plasma proteins. One class is important in immune reactions, another maintains osmotic balance, and the third is a coagulating agent. For 10 points each, name these three plasma proteins.

Immuno-Globulins (Gammaglobulins is too specific,
Albumins do not accept)
Fibrinogens

17. 20 points - During the course of the play the central character degenerates from a human being who commands sympathy into a caricature of the grasping, greedy Jew dominated by his desire for gold. He murders his daughter and an entire nunnery with poisoned porridge, performs other atrocities, and dies in an absurdly grotesque manner by falling into a bubbling cauldron. For 20 points, identify the title of this play, whose central character, Barabas, anticipated Shakespeare's Shylock.

Jew of Malta by Marlowe

18. 20 points - There are Ten Lost Tribes of Israel. But, because 50 point bonuses are unfair, you will receive 10 points each for naming the two tribes not lost.

Judah, Benjamin

19. 30 points - There are six crystal systems - categories in which crystals can be placed according to their structure. For 5 points each, name these systems.

Orthorhombic Monoclinic Triclinic Tetragonal
Isometric Hexagonal

20. 20 points - It is likely the disease mentioned by Moses in Exodus, Chapter 9, and Virgil describes it in the Georgics. Also called splenic fever and woolsorters' disease, it was the first bacterial disease in which the causative agent was definitely demonstrated by Robert Koch in 1876. For 20 points, name it.

Anthrax