

Emory Junior Bird Tournament 1992
Open Questions

Al Lin (3)

1. One-sixth as sweet as table sugar, its presence is responsible for the inability of many non-Caucasians to digest milk. Converted by bacteria to acid when milk sours, it is also known as milk sugar. For 5 points, name this carbohydrate.

lactose

2. Originally a French province, its name was, surprisingly enough, the ancient French word for "province." For a quick 5 points, name this 23rd state known as "Down East."

Maine

3. Vachel Lindsay discovered him while the latter was working as a busboy in a Washington DC hotel. Autobiographical works include The Big Sea and I Wonder as I Wander, and Not Without Laughter is his most famous novel, but he is best known for his poetry, found in The Best of Simple, Shakespeare in Harlem, and One-Way Ticket. For 5 points, name this leader of the Harlem Renaissance.

Langston **Hughes**

4. The pilot, Colonel Paul Tibbets, Jr., named it for his mother. Now found in the Smithsonian, this B-29 gained fame (or infamy) at 8:15 AM on August 6, 1945 when it dropped the atomic bomb on Hiroshima. For 5 points, name the plane.

Enola Gay

5. Members have included FDR and Harry Truman. Founded by Christopher Morley, they are among the most prominent of Sherlock Holmes enthusiasts. For 5 points, name this organization.

Baker Street Irregulars

6. Since the king of Spain, Charles II, was mentally defective and sexually impotent, European powers agreed to partition Spanish possessions between France and the Holy Roman Empire. But then the English, Dutch, Austrians, and Prussians formed the Grand Alliance to preserve the balance of power, resulting in a 13-year war. For 5 points, name this war ended by the Peace of Utrecht.

War of **Spanish Succession** (accept Queen Anne's)

7. Brooklyn Bridge was his 1981 Oscar-nominated film. The Statue of Liberty chronicled that structure's construction. He is planning biographies of Thomas Jefferson and Lewis and Clark, and his mini-series on baseball will air in 1994. For 5 points, name this producer of the recent special, Empire of the Air: the Men Who Made Radio, best known for his 11-hour masterpiece chronicling the Civil War.

Ken **Burns**

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8. A part of the Compromise of 1850, it was a direct response to personal liberty laws enacted by several Northern states. Specifically, it created federal commissioners to arrest and return runaway slaves and authorized these commissioners to force citizens to help enforce this law. For 5 points, name this law which angered the North.

Fugitive Slave Law

9. It's a combination of Scotch whiskey, sweet vermouth, and angostura bitters. It's also a novel by Sir Walter Scott featuring a Scottish outlaw who steals cattle and sells protection against thieves. For 5 points, what's the name?

Rob Roy

10. Born in 1881, he has adapted peasant tunes into his concert compositions. He wrote a ballet, Miraculous Mandarin, and also composed Music for Strings, Percussion and Celesta and Mikrokosmos. The composer of the opera Duke Bluebeard's Castle, he emigrated from Hungary to the U.S. in 1940. For 5 points, name him.

Bela Bartok

11. Born around 1304, he was among the first to realize that Platonic thought and Greek studies provided a new cultural framework. A leading humanist, he thought his best works were in Latin, but his Canzoniere, dedicated to Laura, were written in the vernacular. For 10 points, name this Italian who perfected the sonnet.

Petrarch

12. For the Moon, this value is only about 7 percent, but for Venus, this value is approximately 70 percent, thanks to the heavy cloud cover. For 10 points, what is this term for the proportion of light reflected from a celestial body?

albedo

13. A few years ago, he was a student at Nick Bollettieri's tennis camp in Bradenton, Florida, but he's not Andre Agassi. A steady and tenacious player, he won the French Open last year and more recently captured the Australian Open. For 10 points, name this rising tennis star who is currently battling Stefan Edberg to be the top-ranked male player in the world.

Jim Courier

14. Founded by Diogenes, they held that men should live simply with few desires and needs. Also advocating moderation, self-discipline, and training of the mind and body, their name comes from the Greek word for "doglike." For 10 points, name this school of philosophers whose name is used in English today to describe sarcastic sneerers.

Cynics

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15. Morrison Waite, Edward White, Oliver Ellsworth, Fred Vinson, Harlan Stone, Salmon P. Chase, Roger Taney, John Rutledge, Charles Evans Hughes, William Taft, and Warren Burger. For 10 points, what post did all these men hold?

Supreme Court Chief Justice (if only "Justice," ask for more)

16. His real name was Mathis Gothart Neithart and he was a contemporary of Albrecht Dürer. A religious painter known for his depictions of the Crucifixion of Christ, his most famous work is the Isenheim Altarpiece. For 10 points, name this German Renaissance painter.

Mathias Grünewald

17. These intermolecular forces are weaker than forces involving two ions and include hydrogen bonds and London forces. They are named after a Dutch physicist who derived an equation to predict the behavior of non-ideal gases. For ten points, name this Nobel Prize winner .

Johannes van der Waals

18. William Inge is born. Ellen Glasgow publishes Virginia. D.H. Lawrence publishes Sons and Lovers, Willa Cather publishes O Pioneers, and Robert Bridges succeeds Alfred Austin as poet laureate of England. For 10 points and within 3 years, in what year did these literary events occur?

1913 (accept 1910-1916)

19. Educated in Moscow, he was a dedicated Communist. Unfortunately for him, he was also an idealist who tried to reconcile genuine socialism with personal freedom and democracy. Attempting to build "socialism with a human face," he was arrested but was not shot because the Soviets couldn't find any collaborators to form a new government. For 10 points, name this Czech reformer of 1968.

Alexander Dubcek

20. A typical recording consists of a P wave of atrial depolarization, the QRS complex of ventricular depolarization, and a T wave of ventricular repolarization. For 10 points, name this device developed by Wilhelm Einthoven and used to diagnose heart disease.

electrocardiogram (electrocardiograph, EKG, ECG are also OK)

21. They had a king and queen and a nobility of warriors. Surprisingly, their legislation and warfare were generally humane. Their Old Kingdom lasted from 1640 to 1380 BC and the New Kingdom from 1380 to 1200 BC. For 15 points, name these people who had their capital at Bogazkoy and who were known for their iron weapons.

Hittites

22. Four of them make up the Samhita, a collection of prayers and hymns. According to these sacred writings, the Brahman or Absolute Self underlies all reality and can be known through the invocations of hymns or mantras. For 15 points, name these Hindu religious texts which are the oldest known group of religious writings.

Vedas

23. This type of projection results in straight-line bearings which are nearly correct, but totally distorts the areas toward the North and South poles, which is why Greenland sometimes looks so huge. For 15 points, name this type of map in which the spherical Earth is projected as a cylinder onto a flat surface.

Mercator projection

24. This journalist with a bird's eye is the creation of a cartoonist for the *Richmond Times-Dispatch*, and appropriately enough, the character lives in East Virginia. For 15 points, name this creation of Pulitzer Prize-winning cartoonist Jeff MacNelly.



Shoe

25. Because this physical quantity remains constant when a spinning figure skater pulls in his or her arms toward the body, he/she starts to spin faster. It is calculated by multiplying the moment of inertia of a body by its angular velocity. For 15 points, identify this quantity.

angular momentum

26. Their creed was "Live merrily and write good verses," and they sought to make lyric graceful. This group of poets and dramatists of the 17th century were led by none other than the formidable Robert Herrick. For 15 points, name this group who claimed to be followers of the author of Bartholomew Fair and The Alchemist.

Tribe of Ben

27. It started in the House as a protectionist bill for farmers, but by the time it passed, it had 1000 or so amendments. Successor to the 38.5% rate set in 1922 under the Fordney-McCumber tariff, this record-setting peacetime tariff charged a 60% duty on imports. For 15 points, name this 1930 declaration of economic warfare.

Hawley-Smoot Tariff

28. In 1972, the Davson-Danielli sandwich model of the cell membrane was modified with the inclusion of membrane proteins dispersed throughout the phospholipid bilayer. For 15 points, name this revised model of the cell membrane put forth by Singer and Nicolson.

fluid mosaic model

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29. Collections of this expatriate's poetry include Sea Garden and Red Roses from Bronze. HERmione is an autobiographical novel about a woman torn between her love for a man and for a woman. For 15 points, name this Bloomsbury-group member who was a leader of the Imagist movement.

H.D. or Hilda Doolittle

30. Characterized by geometric constructions in space using materials of the machine age, this early 20th century Russian art movement in sculpture was related to Suprematism, its counterpart in painting. For 15 points, name this movement founded by Vladimir Tatlin.

constructivism