

**Paul Bunyan All-Onion Masters Invitational  
University of Minnesota, June 22, 1996**

**30-20-10**

(Rob Hentzel, Eric Hillemann, Eric Reehl)

**TOSS-UPS**

1. Since her retirement from the screen in 1973 she has been a tireless campaigner for animal rights. The daughter of a Parisian industrialist, her original name was Camille Javal. FTP, identify this actress whose international reputation as a sex-kitten was established by her role in the 1956 film "And God Created Woman."

ANSWER: Brigitte BARDOT (prompt on an early buzz with "Javal")

2. A former county in Northern Ireland shared its name with a word designating an undulating treeless upland with sparse soil, a synonym for "dejected," and a soft fluffy covering. FTP, what is this word also referring to one of a series of attempts to advance a certain elliptical inflated ball 10 yards?

ANSWER: DOWN

3. He was canonized in 1494, some 400 years after becoming Archbishop of Canterbury. FTP, who was this prelate and scholastic philosopher whose "Proslogion" contains his famous ontological argument for the existence of God?

ANSWER: St. ANSELM

4. The time derivative of a body's angular momentum is given by the sum of the cross products of the applied forces and the lever arms on which they act. FTP, what is this physical quantity which induces angular acceleration, usually denoted tau?

ANSWER: net TORQUE

5. Born in 1930 of peasant stock, he changed his family name of Wahsh, meaning "boar" in Arabic, to his present name, meaning "lion." He joined the Ba'ath party at 16, trained as an airman, was sent to the Soviet Union for further study, and was made minister of defense when Salah Jadid seized power in 1966. He later ousted Jadid and took power himself in a bloodless coup. FTP, name this longtime head of state and resident of Damascus.

ANSWER: Hafez al-ASSAD

6. On the advice of Yeats, he spent three years living among the people of the Aran Islands, who then provided the material for his best-known plays. FTP, identify this Irish author of "In the Shadow of the Glen," "The Well of the Saints," and "The Playboy of the Western World."

ANSWER: John Millington SYNGE

7. It's found in washing powders, water softeners, and soaps; added to glaze to harden it; mixed with sand to give strong, brilliant glass; used to tan leather and make paper; and added to food as a preservative. FTP, what is this soft, white, many-sided crystal found in kernite whose chemical name is sodium tetraborate?

ANSWER: \_BORAX\_ (accept \_SODIUM\_ tetra\_BORATE\_ if given before "sodium" is said in question)

8. It was during his term as British prime minister that the Bank of England, the coal mines, civil aviation, and the railways were nationalized, the National Health Service was introduced, and independence was granted to India. FTP, identify this Labour prime minister both preceded and succeeded in office by Winston Churchill.

ANSWER: Clement R. \_ATLEE\_

9. Peru's Mario Vargas Llosa [Yoh-sa] is not the only respected contemporary novelist to get involved in presidential politics. This American writer recently authored the speech in which Bob Dole announced that he was quitting the Senate. FTP, name this novelist best known as the author of "Ellis Island and Other Stories," "Winter's Tale," and "A Soldier of the Great War."

ANSWER: Mark \_HELPRIN\_

10. It is defined as the consequences for welfare or opportunity costs not fully accounted for in the price and market system. Examples include traffic congestion and pollution. FTP, what is this five-syllable economic term?

ANSWER: \_EXTERNALITY\_

11. He fought as a junior officer in the Revolutionary War at battles like Germantown and Monmouth. After the war he became a Federalist leader in Virginia, served in the U.S. House of Representatives, and as Secretary of State, before being appointed in 1801 to the position he held for the next 34 years. FTP, name this jurist, who delivered the opinion in over 500 cases, including that of Marbury v. Madison.

ANSWER: John \_MARSHALL\_

12. Periclymenus, Lynceus, Nauplius, Telamon, Meleager, Atalanta, and Herakles were all members of a group that had to outwit the Harpies, escape the Clashing Rocks, and fight off predatory birds before arriving in Colchis. FTP, name this group of ancient heroes led by Jason.

ANSWER: \_ARGONAUTS\_ (prompt for more information if someone buzzes in with "Golden Fleece")

13. It is a city on the Allier River in central France, whose hot mineral springs and bottled water have long been famous. You may associate its name most closely with such 20th century Frenchmen as Jean Francois Darlan, Jacques Doriot, Pierre Laval, and Marshal Henri Petain. FTP, name this government seat of collaborationist France.

ANSWER: \_VICHY\_

14. Born in St. Louis, she grew up in Stamps, Arkansas and lived subsequently in California, New York, and Ghana, before becoming the Reynolds Professor of American Studies at Wake Forest University in North Carolina. FTP, name this author of a 1987 volume of verse entitled "And Still I Live."

ANSWER: Maya \_ANGELOU\_

15. It occurred April 21, 1836. Around 600 Mexicans were killed and 700 taken prisoner, including their general, Santa Ana, while the outnumbered Texans under Sam Houston lost only a handful of men. FTP, identify this battle decisive for Texan independence.

ANSWER: \_SAN JACINTO\_

16. Some of the most honored members of this profession have been Tom Connolly, Billy Evans, Al Barlick, Jocko Conlan, Cal Hubbard, Bill McGowan, and Bill Klem. Another member, John McSherry, died in Cincinnati earlier this year. FTP, what is this job, which has probably become somewhat less stressful since the retirement of Earl Weaver?

ANSWER: Major League \_UMPIRE\_ [Note: the first 7 names read are in Baseball's Hall of Fame]

17. The name has been shared by the last grand master of the Teutonic Order and first Duke of Prussia, by the king of the Belgians during World War I, and by the princely planner of London's Great Exhibition of 1851. FTP, what is this name also borne by the Alsatian author of "The Quest for the Historical Jesus" and by the French author of "The Rebel"?

ANSWER: \_ALBERT\_

18. Mr. Rippburger plots to do away with Mr. Corley, president of the last U.S. motorcycle manufacturer. Our hero, Ben, must save himself, his gang the Polecats, and the future of motorcycling. FTP, what is this new biker computer adventure game from LucasArts, whose name is a two-word phrase meaning to open 'er up to top speed?

ANSWER: \_FULL THROTTLE\_

19. It is designed to articulate with the occipital condyles of the skull. It has a short, bifurcated spinous process and lacks a body. This joint permits the nodding of the head. FTP, what name is given to this first cervical vertebra because its role in supporting the head was reminiscent of a Titan who supported the world on his shoulders?

ANSWER: \_ATLAS\_ (accept \_FIRST CERVICAL VERTEBRA\_ if given before "first" is said in question)

20. Boston's Isabella Stewart Gardner Museum houses his portrait of Isabella Stewart Gardner. The Metropolitan Museum of New York houses his portrait of the Wyndham sisters, and the Art Institute of Chicago has his painting "The Fountain." FTP, identify this American born in Florence in 1856, whose other work includes the mural series "The History of Religion," and the famous portrait "Madame X".

ANSWER: John Singer \_SARGENT\_

21. It was little more than the U.S. Army's Fort Baker in the 1860s, but began significant growth after the completion of a railroad in 1905. Today this seat of Clark County is one of the fastest-growing U.S. cities, and the largest city of its state. FTP, identify this tourist destination whose name is Spanish for "the Meadows."

ANSWER: \_LAS VEGAS\_

22. She stabbed a co-worker in the cigarette factory, but was saved from prison by a guard, after which they became smugglers. When she later betrays him for a bullfighter, he stabs her. FTP, who is this lover of Don Jose and Escamillo, who appears in Bizet's opera of the same name?

ANSWER: \_CARMEN\_

23. He was a French poet born in Rome of Polish descent. His work, bizarre, symbolist and fantastic, has been compared to Cubism in painting. FTP, identify this man who, while convalescing from a wound received in World War I, wrote the play "The Breasts of Tiresias," for which he coined the term "surrealist."

ANSWER: Guillaume \_APOLLINAIRE\_, or Apollinaris \_KOSTROWITZKY\_

24. He died in bed of a hemorrhage, shortly after this marriage to the Burgundian princess Ildeco. He appears in the "Nibelungenlied" as the legendary king Etzel. FTP, identify this 5th century conqueror known as the "Scourge of God."

ANSWER: \_ATTILA\_ (the Hun), or \_ATLI\_

25. This spring he won the Fleche Wallone and his second Tour du Pont. He will represent the U.S. in the Olympics this summer, shortly after he rides in the Tour de France. FTP, identify this man currently America's top road bicycle racer, who shares his surname with "Satchmo."

ANSWER: Lance \_ARMSTRONG\_

26. Let Y be a random variable with any distribution. The mean of n observations of Y is also a random variable. As n increases, the distribution of the mean approaches a normal distribution with the same mean as Y. FTP, what fundamental theorem of statistics asserts this?

ANSWER: \_CENTRAL LIMIT\_ Theorum

27. According to the Chinese, there are five and they can move horizontally when they cross a river. The Japanese have nine which become gold generals. Western countries have eight, which become queens on the last rank. FTP, what are these weeniest of the chess pieces?

ANSWER: \_PAWNS\_

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BONUS QUESTIONS

1. (20 pts) [VISUAL BONUS] I will pass out photocopies of four well-known masterpieces of modern sculpture. For 5 points apiece, you identify the artists. [MODERATOR: DO NOT READ THE TITLES OF THE WORKS]

- |                           |                               |
|---------------------------|-------------------------------|
| A. (Recumbent Figure)     | ANSWER: Henry _MOORE_         |
| B. (the Kiss)             | ANSWER: Constantin _BRANCUSI_ |
| C. (Bird in Space)        | ANSWER: Constantin _BRANCUSI_ |
| D. (The Palace at 4 A.M.) | ANSWER: Alberto _GIACOMETTI_  |

2. (25 pts) Given a country and the name of its most populous city, for 5 points apiece give the name of its second most populous city:

- |                       |                     |
|-----------------------|---------------------|
| A. Norway, Oslo       | ANSWER: _BERGEN_    |
| B. Kenya, Nairobi     | ANSWER: _MOMBASA_   |
| C. Syria, Damascus    | ANSWER: _ALEPPO_    |
| D. Venezuela, Caracas | ANSWER: _MARACAIBO_ |
| E. Greece, Athens     | ANSWER: _SALONIKA_  |

3. (20 pts) Given the venereal disease, identify the type of organism--bacterium, protozoan, or virus--that causes it. Score 5 points for two correct, 10 for three, or 20 for all four correct.

- |                   |                     |
|-------------------|---------------------|
| A. Gonorrhea      | ANSWER: _BACTERIUM_ |
| B. Trichomoniasis | ANSWER: _PROTOZOAN_ |
| C. Hepatitis B    | ANSWER: _VIRUS_     |
| D. Chancroid      | ANSWER: _BACTERIUM_ |

4. (30 pts) Montana: it's not just domestic terrorists and right wing militias. For the stated number of points identify the following national political figures who hailed from Montana:

- A. (5) The Senate Majority Leader from 1961-77.

ANSWER: Mike \_MANSFIELD\_

B. (10) The Republican <sup>Representative</sup> ~~Senator~~ of the 1940s who led a peace brigade to Washington in 1968 to protest the Vietnam War.

ANSWER: Jeannette \_RANKIN\_

C. (15) The Democratic Senator who was Robert LaFollette's running mate on the Progressive ticket of 1924.

ANSWER: Burton K. \_WHEELER\_

5. (30 pts) Demonstrate your familiarity with details from Shakespeare's "The Tempest" by answering the following questions, for the stated number of points:

A. (5) Prospero is rightfully Duke of what city?

ANSWER: \_MILAN\_

B. (5) The mother of Caliban is what witch who does not appear in the play?

ANSWER: \_SYCORAX\_

C. (10) The character Alonso is King of -- where?

ANSWER: \_NAPLES\_

D. (10) What character is described in the "Dramatis Personae" as "an honest old councilor"?

ANSWER: \_GONZALO\_

6. (20 pts) Given a word and a language, spell the plural for 5 points each. You may ignore articles.

A. der Herr (German)

ANSWER: die \_H-E-R-R-E-N\_

B. le cheval (French)

ANSWER: les \_C-H-E-V-A-U-X\_

C. puella (Latin)

ANSWER: \_P-U-E-L-L-A-E\_

D. uomo (Italian)

ANSWER: \_U-O-M-I-N-I\_

7. (20 pts) Identity the gas which is the primary constituent of the atmospheres of the following bodies:

A. Mars

ANSWER: \_CARBON DIOXIDE\_ (\_CO2\_)

B. Jupiter

ANSWER: \_HYDROGEN\_ (\_H2\_)

C. Titan

ANSWER: \_NITROGEN\_ (\_N2\_)

D. Neptune

ANSWER: \_HYDROGEN\_ (\_H2\_)

8. (20 pts) For 5 points apiece, identify these winners of recent elections around the world:

A. In close elections on May 29, he was elected Israel's new prime minister.

ANSWER: Benjamin \_NETANYAHU\_

B. He won Taiwan's first democratic presidential election in a March landslide.

ANSWER: \_LEE\_ Teng-hui

C. Running against virtually no opposition, he handily won reelection in March as president of Zimbabwe.

ANSWER: Robert \_MUGABE\_

D. This Haitian was elected in December to succeed President Jean-Bertrand Aristide.

ANSWER: Rene \_PREVAL\_

9. (20 pts) Identify the following people associated with exploration of the Congo, for 10 points each:

A. From 1875 to 1878 this Frenchman travelled up the Ogowe River and down the Alima River to reach the Congo. Because of this exploration, the French claimed this part of the Congo basin as a colony, and named a city after this explorer.

ANSWER: Pierre \_BRAZZA\_

B. Also from 1875 to 1878, this explorer crossed Africa from east to west, beginning at Zanzibar and travelling down the majority of the Congo to its mouth on the Atlantic. Because he was working for the King of Belgium, though not Belgian himself, Belgium controlled what later became known as the Belgian Congo.

ANSWER: Henry \_STANLEY\_

10. (25 pts) Answer the following questions about horseracing's triple crown for the stated number of points.

A. First, for 5 points, who is the only jockey to have ridden two triple crown winners?

ANSWER: Eddie \_ARCARO\_

B. Now for 10 points apiece, what two horses did Arcaro ride to his triple crowns?

ANSWER: \_WHIRLAWAY\_ and \_CITATION\_

11. (30 pts) Answer the following questions about Beethoven's Fifth Symphony for 10 points apiece:

A. The famous opening motif consists of what two notes?

ANSWER: \_G\_ and \_E FLAT\_ (5 pts. each)

B. Along with the strings, what instrument plays the opening motif?

ANSWER: \_CLARINET\_

C. In which key is the symphony composed?

ANSWER: \_C MINOR\_

12. (30 pts) Identify the types of volcanoes from a brief description, for 10 points apiece.

[MODERATOR: DO NOT PROVIDE ANSWERS UNTIL THE END FOR THIS QUESTION]



A. Free-flowing lava spills from a vent and spreads widely, gradually building a low, broad mountain.

ANSWER: \_SHIELD\_ volcano

B. Mostly tephra erupts from a vent and falls back to earth around the vent, forming a cone-shaped mountain.

ANSWER: \_CINDER\_ cone

C. Lava and tephra erupt from a central vent and pile up in alternate layers forming a towering, cone-shaped mountain.

ANSWER: \_COMPOSITE\_ volcano

13. (30 pts) This bonus asks you to take a literary journey through England. For 10 points apiece, identify the famous writer from places where they lived and with which they are associated:

A. Steventon in Hampshire, Bath, Southampton, Chawton

ANSWER: Jane \_AUSTEN\_

B. Cockermouth, Racedown in Dorset

ANSWER: William \_WORDSWORTH\_

C. London, Twickenham

ANSWER: Alexander \_POPE\_

14. (25 pts) For 5 points apiece, give the name for which each of the following famous initials stands for:

A. The "B" in Susan B. Anthony

ANSWER: \_BROWNELL\_

B. The "F" in F. Lee Bailey

ANSWER: \_FRANCIS\_

C. The "D" in John D. Rockefeller

ANSWER: \_DAVIDSON\_

D. The "O" in William O. Douglas

ANSWER: \_ORVILLE\_

E. The "C" in John C. Calhoun

ANSWER: \_CALDWELL\_

15. (20 pts) They were both 18th century English inventors who lived at one time in Nottingham, and their inventions changed the English textile industry forever. For 10 points apiece, who:

A. invented the spinning-jenny?

ANSWER: James \_HARGREAVES\_

B. invented the water-powered spinning frame?

ANSWER: Richard \_ARKWRIGHT\_

16. (30 pts) Jackie Gleason starred as Ralph Kramden in the classic television comedy "The Honeymooners." Identify his co-stars, for the stated number of points:

A. (5) Who played Ed Norton?

ANSWER: Art \_CARNEY\_

B. (10) Who played Alice Kramden?

ANSWER: Audrey \_MEADOWS\_



C. (15) Who played Trixie Norton?

ANSWER: Joyce \_RANDOLPH\_

17. (25 pts) Given the name of a U.S. Secretary of State, name the president he served under, for 5 points apiece:

A. Cordell Hull

ANSWER: \_F\_ranklin D. \_ROOSEVELT\_

B. William Rogers

ANSWER: Richard \_NIXON\_

C. Philander C. Knox

ANSWER: William H. \_TAFT\_

D. John C. Calhoun

ANSWER: John \_TYLER\_

E. Daniel Webster

ANSWER: \_W\_illiam Henry \_HARRISON\_ OR John \_TYLER\_

18. (25 pts) For 5 points apiece, given a pair of characters, match them to the Henry James novel to which they belong:

A. Olive Chancellor and Basil Ransome

ANSWER: The \_BOSTONIANS\_

B. Isabel Archer and Gilbert Osmond

ANSWER: The \_PORTRAIT OF A LADY\_

C. Flora, and Peter Quint

ANSWER: The \_TURN OF THE SCREW\_

D. Maggie Verver and Prince Amerigo

ANSWER: The \_GOLDEN BOWL\_

E. Lambert Strether and Maria Gostrey

ANSWER: The \_AMBASSADORS\_

19. (25 pts) For 5 points apiece, answer the following questions about the world's tallest buildings:

A. Built in 1913, this 57 story skyscraper was the world's tallest for 17 years.

ANSWER: \_WOOLWORTH\_ Building

B. Opening in 1931, this 102 story building was the world's tallest for more than 40 years.

ANSWER: \_EMPIRE STATE\_ Building

C. The Empire State Building was surpassed as world's tallest by the twin towers of this building.

ANSWER: \_WORLD TRADE CENTER\_

D. This 110 story building succeeded the World Trade Center as tallest, surpassing it by 104 feet.

ANSWER: \_SEARS\_ Tower

E. The twin towers of this soon to be completed building in Kuala Lumpur will be 29 feet taller than the Sears Tower.

ANSWER: \_PETRONAS\_ Tower

20. (30 pts) The preparation of Grignard [Green-yard] reagents requires three things: a starting material, a metal, and a solvent. Identify them for 10 points apiece:

A. What kind of organic compound forms the starting material for Grignard synthesis?

ANSWER: \_ALKYL HALIDES\_

B. In what solvent is the reaction run?

ANSWER: dry ethyl \_ETHER\_ (C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O

C. What metal displaces the halide in the reaction?

ANSWER: \_MAGNESIUM\_ (\_Mg\_)

21. (20 pts) "La Misere de la Philosophie," or "The Poverty of Philosophy," was published in 1847. It is a direct reply to "La Philosophie de la Misere," or "The Philosophy of Poverty," published in 1846. The books signalled an historic rift between libertarian and authoritarian strains of Socialism. For 10 points apiece identify:

A. First, the so-called "father of modern Anarchism" who authored "La Philosophie de la Misere"

ANSWER: Pierre-Joseph \_PROUDHON\_

B. Second, Proudhon's intellectual opponent, the author of "La Misere de la Philosophie"

ANSWER: Karl \_MARX\_

22. (25 pts) Given a college or university, name its athletic team nickname for 5 points each:

- |                   |                            |
|-------------------|----------------------------|
| A. Air Force      | ANSWER: <u>_FALCONS_</u>   |
| B. Ball State     | ANSWER: <u>_CARDINALS_</u> |
| C. Boston College | ANSWER: <u>_EAGLES_</u>    |
| D. South Carolina | ANSWER: <u>_GAMECOCKS_</u> |
| E. Temple         | ANSWER: <u>_OWLS_</u>      |

23. (25 pts) For 5 points apiece, identify the Hollywood figure given the title of their best-selling autobiography:

A. "Dance While You Can"

ANSWER: Shirley \_MACLAINE\_

B. "The Name Above the Title"

ANSWER: Frank \_CAPRA\_

C. "Me: Stories of My Life"

ANSWER: \_Katharine\_ \_HEPBURN\_

D. "Little Girl Lost"

ANSWER: \_Drew\_ \_BARRYMORE\_

E. Two volumes: "The Moon's a Balloon" and "Bring on the Empty Horses."

ANSWER: David \_NIVEN\_

24. (30 pts) A widget manufactory faces a total cost function of  $Q^2 - 4Q + 8$ . Answer the following questions for 10 points apiece.

A. What is the marginal cost function?

ANSWER:  $2Q - 4$  (\_TWO\_ times \_Q MINUS FOUR\_)

B. If the price of a widget is four dollars, what quantity should the factory produce?

ANSWER:  $4$  (\_FOUR\_)

C. What is the profit if four widgets are produced (and sold)?

ANSWER:  $8$  (\_EIGHT\_ dollars)

25. (30 pts) 30-20-10. Name the author from his works.

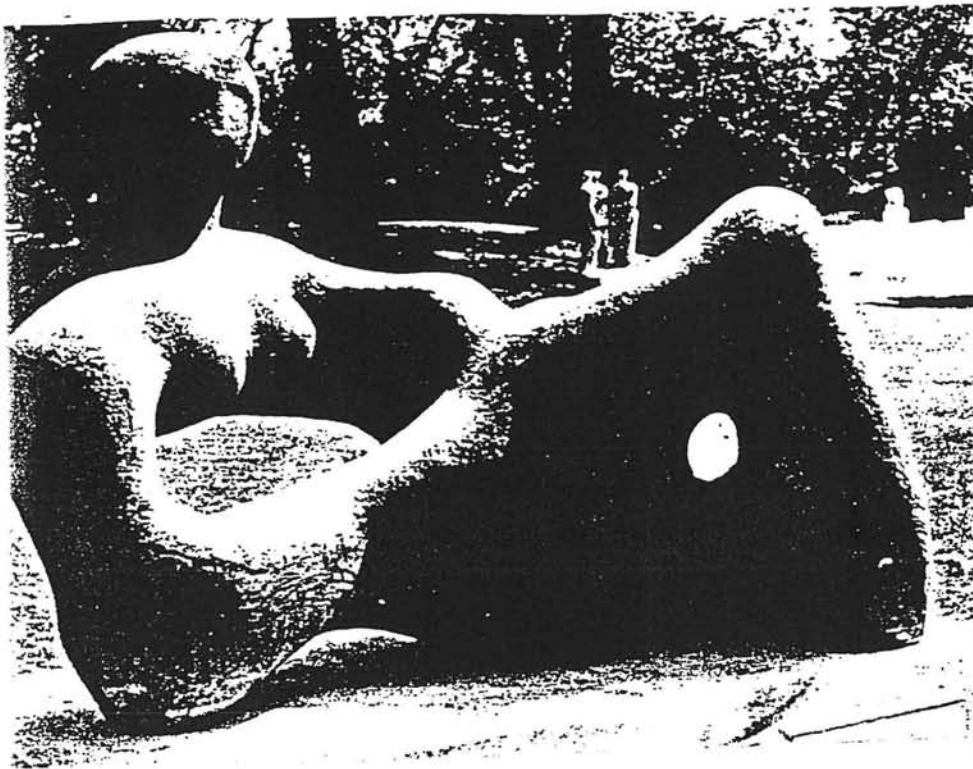
30: "Life is Elsewhere" and "Laughable Loves"

20: "The Farewell Party" and "The Book of Laughter and Forgetting"

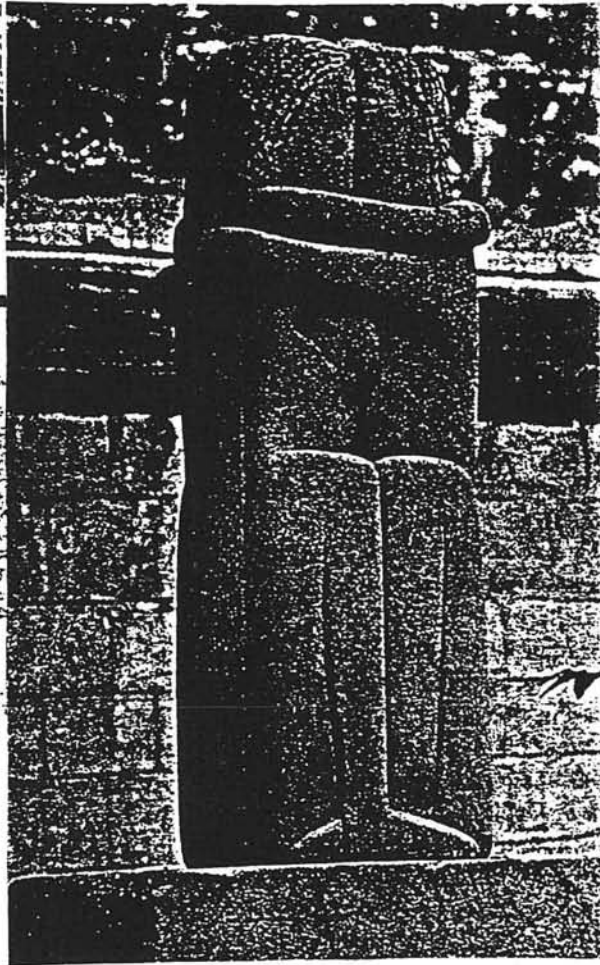
10: "The Joke" and "The Unbearable Lightness of Being"

ANSWER: Milan \_KUNDERA\_

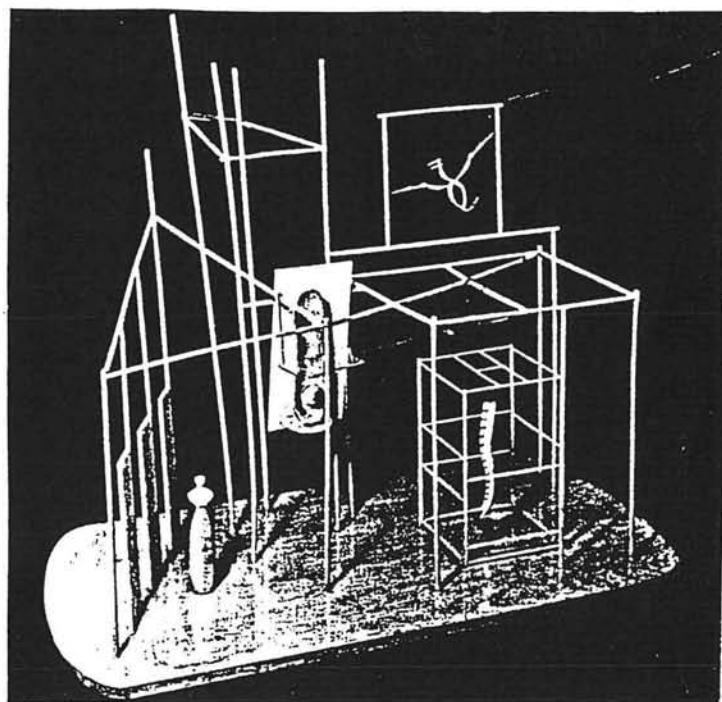
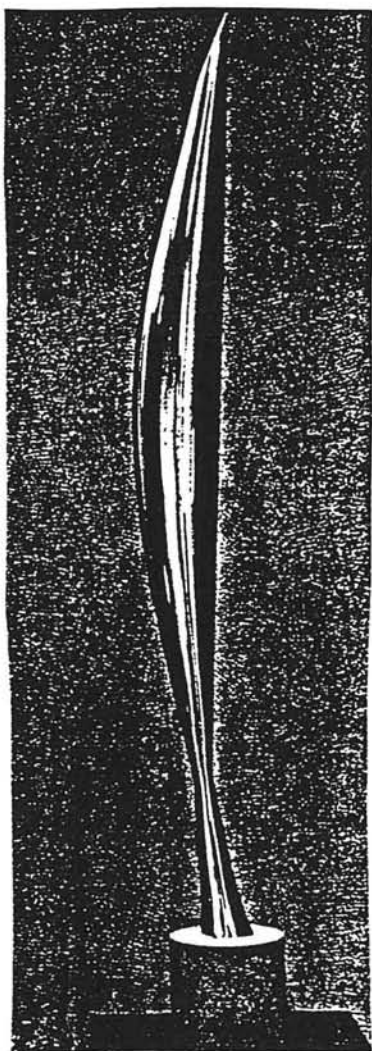
A



B



C



D