## Terrapin Invitational Tournament 1994

Toss-ups by Sherman Lo and Stanford

1. For several years in the 1920 's and 1930 's, there was a weekly Thursday night meeting of scientist, philosphers, and mathematicans at a certain European University. At the meetings the relationships between the theories of science and objective reality was debated resulting in the pronouncement of the verification principle. FTP, name this association of eminent whose studies laid the foundation of logical postivism.

2. Born in Russia and a psychoanalyst by trade, this man became the bane of the scientific community in 1950 with the publication of his work worlds in collision. In this work, he tries to illustrate how the phenomena detailed in the Bible were explanable through a cometary origin of the venus. FTP, name this infamous person.

## Immanuel VELIKOVSKY

3. Semeru, Bandai-san, Raoul, and Manam are some which are found in the about the Pacific ocean while Hekla, Fail, and Mount Pelee are found in the Atlantic. In the Americas, examples include Cotopaxi, Paricutin, Lasen Peak, and El Misit. FTP, name this geographic feature often associated with Tambora, Krakatoa, Mount Fuji, and Mount St. Helens.

## $\angle$ volcano (ES)

4. Born in 1877 , his real surname was Arango. He sided with Madero against the government of Diaz. Though captured by Huerta, he escaped and joined Carranza in opposition to Huerta who had, by 1914, become president. But he and Carranza had a falling out and when the U.S. recognized Carranza's government, he retaliated leading the U.S. to send Pershing to capture him. FTP, name this Mexican bandit.

5. A lifelong man of politics, this man served as deputy defense secretary in the Kennedy and Johnson Adminstrations. He was chief U.S negotiator in the Pueblo incident. FTP, name this Secretary of State under Carter who resigned in 1980 to protest the use of force to free U.S. hostages in Iran.
$\angle$ cyrus vance
6. Though perhaps not his most popular, this film director's best work generally belongs to the late 1930's and 1940's. Among these are: The Stars Look Down, a grimly realistic account of a mine disaster; The Way Ahead, a seriocomic study of conscrits adjusting to army life; and outcast of the Islands, a vivid adaptation of Joseph Conrad's novel. But perhaps his best film was penned by Graham Greene and starred Orson Welles as the devious Harry Lyme. FTP name this British film director of The Third Man who won the Best Director Oscar in 1968 for Oliver l.
Sir Carol REED
7. Born in Ohio in 1866, this man practiced law in Chicago for 14 years until 1905. He was then appointed distict Judge for the North Illinios and preside over the trial of Standard Oil of Indiana in 1907. But his fame rest after the conclusion of the 1919 Black Sow scandal when this judge was made Baseball's first commissioner. FTP, name him.

Kentesaw Mountain LANDIS
8. It details the more than 3 months of prison time served by the author and his friend during World war I. Though both were held for questioning, they were never told of the
6040 crime they were accused. Both are placed in jail. The rest of the work chronicles this 25 sentence. FTP, name this cummings work whose title refers to the cell in which he was kept.
9. Han Fastolfe, Yugo Amaryl, Bentley Bailey, Cleon II, Eto Dermzel, Amadiro Kelden, and Giskard. These are all characters created by this writer in two of his most popular series. In these series, he introduces these characters along with Mari Seldon, $R$ Daneel Olivaw, and Elijah Bailey. FTP, name the creator of the Robot and Foundation novels.

Isaac ASIMOV
10. In 1967, researcher Jocelyn Bell discovered an anomaly in the data from the radio telescope at Cambridge. She discovered this signal was periodic and made this information known to her advisor. This work lead to the awarding for the 1976 Nobel Prize in Physics to Hewish and Ryle along with the discovery of a new type of star FTP, name this star formed when a star supernovas.

## PUUSAR (accept NEUTRON star)

11. In September 1792, a combined Austrian and Prussian under the Duke of Brunswick marched into France to stop the 5 month old Revolution. French forces under Dumouruez halted their advance at this small northeastern French town and turned the ensuing retreat into a rout. FTP, name this battle, the site of the famous cannonade.

## FILMY

82. Born in 1914 in Iowa, he conducted high altitude research and experiments with $\mathrm{V}-2$ rockets. Later he traveled extensively to do atmospheric research and went on to direct basic design of the Explorer satellites as well as develop a cosmic ray recording device. FTP, name this man who discovered a series of radiation belts about earth.

## James Alfred VAN ALLEN

13. A Dutch painter, his output was small both because of his death at the age of 43 and his slow painstaking style of painting. Born in 1632, he painted mostly women in tranquil activities and was influenced heavily by the School of Utrecht. FTP, name this painter whose utilization of varied tones of color to convey texture is seen in works such as The Letter and The Kitchenmaid.

## Jan VERMEER

14. His first stories were published in science fiction magazines and many of his novels reflect this beginning. He views modern life as falling more prey to the technological and structured life while sacrificing part of ones capacity for human choice which is reflected in works such as Galapagos. FTP name this man author of works such as Mother Night, God Bless You, Mr. Rosewater, Cat's Cradle, and Slaughterhouse Five.

15. Though at first he adopted the old Italian operatic tradition with its emphasis on vocal coloratura and beautiful melodies, his masterful development of arioso as the basis of his style in his final works is larely due to the librettist Arrigo Boito. In their two collaborative adaptations of Shakespeare, he surpassed the conventions he inherited from Rossini, Donizetti, and Bellini by departing from the set forms of recitative and aria. FTP identify this ardent Italian nationalist whose final operatic successes were 0 pele and Falstaff.

## <Guiseppe VERDI

16. This phrase comes from a medieval habit punishing sellers for overcharging. For example, if a bread maker would be dunked into the river if the quantity he sold did not weigh at least a certain specified weight. To avoid being dunked, such people would often add an extra loaf to meet the weight standard. FTP, name this phrase, coming from the fact that the quantity was usually 12 loaves.

## BAKER'S DOZEN

17. It chronicles the journey of Addie Bundren to the city of Jefferson. Her family takes her on this trip which soon becomes a disaster. One Bundren son burns down a stable and runs away while the Bundren family loses their mules. FTP, name this dark Faulkner
work about transporting the corpse of Mrs. Bundren.
$\int$ AS I LAY DYING
18. It is the major metabolically active steroid produced by the adrenal cortex and regulates much of metabolism, including maintaining adequate blood sugar levels. At high levels, it has an anti-inflammatory effect, and this product is often used to treat allergies, asthma, and autoimmune diseases. FTP, name it.

CORTISOL (OF CORTISONE OF HYDROCORTISONE)
19. The son of a ironfounder, he enlisted in the $23 r$ ohio volunteers at the outbreak of the Civil War. After the war, he studied law in Albany and setup a practice in Canton, Ohio where, in 1871 , he married Ida Saxton. Elected to Congress in 1876, he stayed there until 1891 when he was voted out of office because of the unpopularity of his sponsorship of the Tariff Act of 1890 . FTp identify this man, who with Hanna's support, was elected a two term governor of Ohio and was chosen as the victorious 1896 Republican presidential nominee.

William MCKINLEY
20. Her final sentence concludes: "I asked him with my eyes to ask again yes and then he asked me would I yes to say yes my mountain flower and first I put my arms around him yes and drew him down to me so he could feel my breasts all perfume yes and his heart was going like mad and yes I said yes I will Yes." FTP identify this woman whose stream of consciousness was linked to Penelope in Joyce's Ulysses.

MOLLY BLOOM
Th The tallest mountain in the forty-eight contiguous states is Mount Whitney in California. FTP, name the state which contains the second highest peak in the forty-eight states, the peak being Mount 27 Elbert.

COLORADO
22. Many people know that the World Trade Center and the Empire State Building are the tallest buildings in New York City. FTP, name the third highest building.

CHRYSLER Building
23. This Italian Baroque composer was known primarily for his oboe concerti until the twentieth century musician Giazotto wrote an adagio based on thematic fragments of one of his works. FTP name him. TOMASSO ALBINONI
24. It is the motto of the state of Virginia and during the civil war, this phrase became infamous. FTP, name the Latin phrase John Wilkes Booth utter after shooting Abraham Lincoln at Ford's Theater in 1865.

SIC SEMPER TYRANNIS (Thus always to tyrants)
25 Two answers required. Prior to the National League expanding to Colorado and Florida in 1993, these two American League teams were the most recent franchises in Major League Baseball. FTP, name both.
(Toronto Blue Jays and Seattle Mariners)
26.) Macedonia declared its independence from Yugoslavia in 1991 but was pot recognized by the United States because of the objection of another Balkan nation. FTP, name this country, whose territories incorporates part of what is traditionally Macedonia.


It was first performed in 1892 and is set in the Italian province of Calabria. The action f the plot consists of a play within a play in which Canio, an actor is suddenly unable to bear the resemblence between the play he is involved in and the suspected relations between his wife Nedda and Silvio. He makes the plays end into a demand to know the name of his wife's lover and the ensuing action results in him murdering both Canio and Silvio. FTP, name this Leoncavallo opera.

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Bonus questions by sherman Lo (MAQT 1991-1994) and stanford

1. I'm sure most people have heard enough about the O.J. Simpson murder case to know the important figures involved in the case. But let's test your knowledge on the following equally spectacular murder cases of the early 20th century.
a) For 5 points each, identify the 2 Chicago youths, who in a 1924 trial, were tried for the murder of a teenager, Bobbie Franks.

Nathan LEOPOLD and Richard LOEB
b) For 5 points identify the famous lawyer who defended Leopold and Loeb.

Clarence DARROW
c) Another famous murder trial was that of the Lindbergh baby kidnapping. For 5 points name the man accused of the kidnapping.

Richard Bruno haUPTMANN
d) FTP, name the chief investigator of this case, an officer of the New Jersey State Police, whose famous son has also made a name for himself.

Herbert Norman SCHWARZKOPF
2. The move from murder to mathematics is but one bonus. Identify the following about curves. a) These two properties a unique to each curve. One is the magnitude of the first derivative of the unit tangent vector of a curve. The other is the magnitude of the derivative of the unit normal vector of a curve. For five points each, name them.
CURVATURE and TORSION
b) This is, the inverse of curvature, for a circle of diameter $D$, it is just one half $D$. FTP, name it.

RADIUS OF CURVATURE (if they only say *radius* ask for more specific)
c) One man was important in developing many of the fundamental concepts behind both curvature and torsion. He also is associated with a famous torsion theory in the analysis of structures and engineering. FTP, name him.
$\chi_{\text {SAINT }}$ VENANT
3. We may recycle today but in the late thirties film, they recycled the island set of King Kong by burning it to the ground to re-enact the burning of a famous southern city. Yes, we're talking about Gone with the wind. Answer the following questions about the principals in that film.
a) Vivian Leigh was at Hollywood only because her famous husband was there working on a film. But as luck would have it she got the starting role of Scarlet o'Hara. FFP, name her husband famous for his role as Lord yelson, Heathcliff, and Hamlet.

Sir Lawrence OLIVIER
b) Leigh wasn't the only person married to a famous actor/actress. Clark Gable was married to another screen legend whose career was tragically cut short in 1942 in an aircraft accident. FTP, name this famous comedienne, star of To Be or Not to Be. Carol LOMBARD
c) Leslie Howard wouldn't have even made the film had Selznick not promised him control on his next film Intermezze which also starred another famous Selznick find in her first American film. FFP, name her. Ingrid bergman $X$
d) FTP, name the director who got the final credit for shooting Gone With the wind. Victor FLEMING
4. Time for the obligatory American Lit. bonus. $F 15 \mathrm{p}$ each, identify the authors of the following works from one work. You'll receive FTP for answering correctly off the second clue. And if there is a third clue, you'll receive 5 points.
1 a) Jonah's Gourd Vine
b) Mules and Men
-c) Their Eves were watching God Zora Neal HURSTON
2) a) Horses and Men
-b) The Triumph of the Eqg
c) Winesburg, Ohie SHERWOOD ANDERSON
5. From America, we now move to Australia. For the stated amount of points, identify the following about the nation
FFP each identify the capital of Tasmania and Northern Territories

HOBART and DARWIN
FTP, name the man principally responsible for the design and layout of Canberra
Walter Burley GRIFFIN $X$
FTP name the Australian area that was the first to be settled by Europeans. This settlement was founded in 1788, mostly by convicts.

BOTANY BAY
6. Everybody watches Looney Tunes, but how well do you know the names of the characters. Identify....
a) FFP, the Extraterrestrial from the Red Planet that threatens to blow up Earth.

MARVIN the Martian
b) FTP, identify the large chicken who is constantly pursued by the chicken hawk. FOGHORN LEGHORN
c) For 15 points, identify that damn annoying frog that keeps singing "Hello my baby, Hello my darling, hello my ragtime gal ...."

MICHIGAN J. FROG X
7. 30-20-10 Identify the historical figure.
30) A Chaldean king of around $600 \mathrm{B.C}$. , he drove the Egyptians out of Asia minor and succeeded his father in 605 B.C.
20) He capture Jerusalem in 598 and took King Jehoiachin but had to retake the city in 586 after the new king made a treaty with Egypt.
10) He took many of the captives from Jerusalem to Babylon, his capital and during his 43
year reign he built many canals, lakes, as well as a Palace and a garden.
NEBUCHADNEZZAR
8. (30) Identify the physics "thing" described FTP each.
a) It involves isothermal expansion, adiabatic expansion, isothermal compression, and adiabatic compression. The efficiency of any real engine operating between two specified temperature cannot exceed the efficiency of an engine driven by this cycle.

CARNOT CYCLE $X$
b) It states that a body wholly or partially immersed in a fluid medium is buoyed up by a force equal in magnitude to the weight of the fluid displaced by the body. ARCHIMEDES' PRINCIPLE
c) These set of transformations from a reference frame at rest with respect to another moving at velocity $v$ is $x$ prime equals $x$ minus $v t ; y$ prime equals $y ; z$ prime equals $z$; $t$ minus equals $t$. GALILEAN TRANSFORMATIONSX
9. (30) Name the author of the following quotes. 30 points after the
first quote, 20 points after the second, and 10 points after the third.
30) "Say first, of God above or man below, What can we reason but from what we know?n
20) "What dire offense from amorous causes springs,

What mighty contests arise from trivial things."
"For fools rush in where angels fear to tread."
ALEXANDER POPE
10. (30) Mount Everest is the tallest mountain in the world; and K2 or Godwin-Austen is the second highest peak. For ten points each, name the third highest mountain in the world, the two countries on whose border it is located, and its height to the nearest 500 feet.

KACHENJUNGA
INDIA-NEPAL
28,208 FEET (ie, $27,708-28,708$ FEET)
11. (30) For five points each, name the Shakespearean comedies in which the following passages appear. You're awarded 5 more points for all correct.
a) "All the world's a stage, / And all the men and women merely players."

AS YOU LIKE IT
b) "If music be the food of love, play on; / Give me excess of it, that, surfeiting, / The appetite may sicken and so die."

TWELFTH NIGHT
c) "We are such stuff / As dreams are made on; and our little life / Is rounded with a sleep" THE TEMPEST
d) "Cry Havoc! and let slip the dogs of war."

JULIUS CAESAR
e) "The bow is bent and drawn / Make from the shaft." KING LEAR $メ$
12) For five points each, put these World War I battles in chronological order from earliest to latest: Verdun, Galdipoli, Tannenburg, Marne, Jutland, and Somme.
TANNENBURG (Aug. 1914), MARNE (Sept. 1914), GALLIPOLI (Dec. 1915), VERPUN (Feb. 1916), JUTLAND (May 1916), SOMME (Jul. 1816)
13. (30) For 5 points each, give the nickname ascribed to each of the following Tchaikovsky symphonies.

| ng Tchaikovsky symphonies. |  |
| :--- | :--- |
| first | WINTER DREAMS |
| second | LITTLE RUSSIANX |
| sixth | PATHETIQUE |

The ninth symphony of many composers have also become famous. FFP each, identify these famous ninth symphonies by name.

| Beetjoven's ninth | CHORAL |
| :--- | :--- |
| Dvorak's ninth | From the NEW WORLD |
| Schubert's ninth | The GREAT |

14. Identify these cellular organelles FTP each.
a) A body consisting of mostly RNA in the nucleus. NUCLEOLUS /
b) Consisting of a number of flattened sacs lying together, its appearance varies from species to species.
its appearance varies from species to
GOLGI Apparatus
c) Virtually identical to basal bodies, they are found in all eukaryotes except those that never produce cilia and flagella.
15. (30) 1994 marks the one hundredth anniversary of the publication of several notable pieces of writing. For the stated number of points, name the author of each of the following works published
in 1894.
5) The Junale Book

Rudyard KIPLING
10) Wealth Aqainst Commonwealth

Henry Demarest LLOYD
5) Pudd'shead wilson Mark TWAIN or Samuel CLEMENS
10) The Prisoner of Zenda Anthony Hope HAWKINS
16) Identify the artist who painted these Northern Renaissance works FFP each.
a. Little crucifixion Matthias GRUNEWALD\&
b. The Battle of Issus

Albrecht ALTDORFER $\Varangle$
c. The Four Apostles Albrecht DURER $X$
d. The Judament of Paris Lucas CRANACH the Elder $X$
e. The Ambassadors
$f$. Landscape with the Fall of Icarus

Hans HOLBEIN the Younger $X$
Pieter BREUGEL the Elder $X$
17) FTP each identify these chemistry Nobel laureates.
a. He won the 1904 Prize for discovering the inert gas elements helium, neon, xenon, and krypton, and placing them in the periodic table. William RAMSAY
b. He won the 1920 prize for studying heat changes in chemical reactions and formulating the third law of thermodynamics. Walther NERNST
c. He won the 1944 prize for the discovery of nuclear fission. Ot to HAHN
18. (30) Groups of animals often have special names; for example, a group of fish is called a "school." For five points each, give the group name that corresponds to each animal.

| ants | COLONY |
| :--- | :--- |
| larks | EXALTATION |
| vipers | NEST |
| lions | PRIDE |
| gnats | HORDE |
| Rhinoceros | CRASH |

19) (30) Identify this person for $30,20,10$, or 5 points.
20) This famous man was born on a farm in Iona Station, Ontario on October 15, 1908.
21) His most recent book is entitled "A Journey Through Economic Time."
22) He served as U.S. Ambassador to India from 1961 to 1963.
23) His most famous work is The New Industrial State. John Kenneth GALBRAITH
20. (30) Wilt Chamberlain and Michael Jordan are the only two players in the history of the National Basketball Association to win the scoring title for seven years. But four different players led the league in scoring for three years. For ten points each, name three of them. GEORGE MIKAN, NEIL JOHNSTON, BOB MCADOO, GEORGE GERVIN
21. (30) 30-20-10 Name this novel.
30) This classic American novel begins "In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since."
31) The actions of this work takes place in East Egg, NY.
32) This F.S. Fitzgerald work figures characters such as Daisy Buchanan and Nick Carroway THE GREAT GATSBY
33) (20) For five points each, name the state with the following nickname:

Land of Opportunity (ARKANSAS)
Sunflower State (KANSAS)
Green Mountain State (VERMONT)
Grand Canyon State (ARIZONA)
23 (30) The National Hockey League has expanded since the late 1960 's to encompass 26 teams now. FFP each, name the original six teams [names, not cities].
(MAPLE LEAFS, CANADIENS, RANGERS, BRUINS, RED WINGS, BLACK HAWKS)
24. (25) Because of this year's baseball strike, the Toronto Blue Jays have a
chance to threepeat as World Series Champions next season. FTP, name the last team to do so and for an additional 5 points each, name one of the years in.
which they did it.
OAKLAND A's (ATHLETICS), 1972, 1973, 1974
25. (20) For five points each, name in order, from most to least spoken, the four most common native languages in the world.

MANDARIN Chinese, HINDI, SPANISH, ENGLISH
26. (30) For five points each, give the full names of the following computer-related acronyms. CAD

COMPUTER-AIDED DESIGN
DOS
DISK OPERATING SYSTEM
COBOL
COMMON BUSINESS-ORIENTED LANGUAGE
FORTRAN
FORMULA TRANSLATOR (TRANSLATION)
For an additional 10 points, identify the naval programmer who invented COBOL Grace HOPPER
27. (25) Each year, many young Americans compete for the National Spelling Bee Championship in Washington, D.C. The following five words were the championship-winning words from 1989 to 1993. For five points each, spell them.

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SPOLIATOR
FIBRANNE
ANTIPYRETIC
LYCEUM
KAMIKAZE
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