Toss-Ups

1. A Buddhist monk and a Taoist priest changed a monolith which had been rejected for the Great Mythical Mountain into a piece of black jade to be worn by the fiery woman loved by Pao Yu. The rock observed the social interactions of a great, but declining, Chinese family and eventually allowed its story to be told. FTP, name the 18th century novel by Tsao Hsueh-Chin which was based on monolith's tale.

answer: _Hung Lou Meng_ (_Dream of the Red Chamber_, _The Story of the Stone_)

2. During his reign, English replaced French as the national language, Parliament divided into two houses, and the office of the Justice of the Peace was created. In addition, the Treaties of Bretigny and Bruges were signed, and the battles of Sluys, Orleans, and Poitiers were fought. FTP, name this English king, the father of John of Gaunt and Edward the Black Prince, himself the son of Edward II.

answer: Edward III Anjou of England

3. He is convinced that "everyone has a secret," and, if he discovers it, he can control them. He hires a powerless journalist who has never managed to complete his dissertation to dig up secrets on other people, including Judge Irwin, the state's most distinguished figure. FTP, name this ruthless politician assassinated by Adam Stanton, the brother of his mistress, whom Robert Penn Warren based on Huey Long.

answer: Governor Willie Stark

4. Likening himself to the sun, which was glorious and happy only because it had people to shine on, this prophet left the cave in which he had lived for ten years. When he arrived back in his village he began to preach that Man could be surpassed; the age of Superman was at hand. FTP, name this Middle Eastern prophet who became a spokesman for Friederich Nietzsche.

answer: Zarathustra (Zoroaster)

5. A physically perfect couple was selected from each of the world's races and ferried, via a stolen space shuttle, to an orbiting station. There they could watch as a poisonous gas made from an Amazonian orchid was used to destroy civilization. FTP, this was the plot of Hugo Drax in which James Bond film featuring Jaws and Dr. Goodhead?

answer: _Moonraker_

6. It lay at the bottom of Anduin for many years until two friends chanced to find it. One killed the other over it and descended into a life of crime for which he was expelled from his village. It was later won in a contest of riddles and from there passed to the winner's nephew who lost a finger hurling it into Orodruin. FTP, name this unadorned band which sought to "bring them all and in the darkness bind them."

answer: The One Ring (Sauron's Ring)

7. A great red windmill sat on top and inside were a wooden elephant with a glass howdah, caged monkeys, donkeys to ride, a bar, and a cabaret. Its most prominent dancers, Jane Avril and La Goulue ended their lives penniless and unknown. FTP, identify this Parisian club, opened in 1889, depicted in a series of posters by Toulouse-Lautrec.

answer: Moulin Rouge

8. He had a deep interest in English literature, particularly Mark Twain, and left Italy only once, in 1977, to visit Brazil. Had he died a week before the 1976 conclave, he would have been completely unknown outside of Venice, but his death in 1978 was mourned everywhere. FTP, name this man who was Pope less than two years, the first to use a double name.

answer: Pope John Paul I (Albino Luciani)

9. He was the first to prepare food before eating it, the first to use fire, the first to wear clothing, and the first to emigrate from Africa. He is preserved for us in such specimens as the Turkana Boy and Java Man. FTP, name this human ancestor, co-extant with *Homo habilus*, most famed for being the first to walk upright.

answer: *Homo erectus*

10. It delineated a boundary along the Sabine river to the 32nd parallel, then north to the Red River, along it to the 100th parallel, north to the Arkansas River, up to its source, then north or south to the 42nd parallel, and then west to the Pacific Ocean. In addition the U.S. assumed the claims of its own citizens against Spain. FTP, identify this 1819 treaty which brought Florida to the U.S.

answer: Adams-Onis [OH-nis] Treaty

11. He is a cobbler by trade but is more famous for his avocation, through which he meets Walter von Stolzing who wishes to win the hand of Eva Pogner. He helps Walter learns the rules and entablatures of the guild and transcribes Walter's song "Morgenlich leuchtend in rosigem Schein" for him. FTP, identify this man who convinces Walter to join the guild of master singers.

answer: Hans Sachs [ZAHKS] (accept either name)
prompt: The Master Singer of Nürnberg

12. P. N. Elrod's version has a vampire facing seduction during the American Revolutionary War. The play, by Ariel Dorfman, turns on a woman's certainty that she has found her torturer despite only circumstantial evidence. The movie stars Ben Kingsley and Sigourney Weaver and was directed by Roman Polanski. The string quartet was written by Schubert. FTP, what four-word, two-personality, title do all of these creations share?

answer: *Death and the Maiden* (Der *Tot und das Mädchen*)

13. They always display the Gibb's phenomenon near discontinuities, an effect which led to the differentiation between pointwise and uniform convergence. They are

essential tools of engineers, particularly those doing signal analysis, but were introduced in the study of heat flow and other partial differential equations. FTP, what are these mathematical series composed of sine and cosine terms?

answer: <u>Fourier</u> [FOO-ree-ay] series

14. Following the funeral rites, he sought permission from the king to leave for France. While there he studied fencing under Lamord and purchased venom from a mountebank. He returned home when he heard his father had been murdered and wrestled with his killer in his sister's grave. FTP, name this hotheaded scion of Polonius, whom Hamlet kills in the final scene.

answer: <u>Laertes</u>

15. Most Keynesian analyses begin by assuming that all markets are in equilibrium except for labor. Those familiar with general equilibrium analysis often object, claiming that either all markets are in equilibrium or at least two are not. FTP, which law are they implicitly citing which holds that excess supply in market is always coincident with excess demand in another?

answer: <u>Walras'</u> [VAHL-ras] Law

16. A pronounced tremor in periods of inactivity. Muscular rigidity. Involuntary shifts in posture. Slowness of movement. A shuffling, wide-based gait with a forward lean. All of these are common symptoms of the degradation of the substantia nigra and the depletion of dopamine in its pathways. FTP, what name is given to this disorder affecting about 1% of the population?

answer: <u>Parkinson's</u> Disease (<u>parkinsonism</u>)

17. Hats, cigars, and a basketball team were named for him, primarily for his exploits against the Duke of Brunswick and Count Isouard in their box during *The Barber of Seville*. He tracked Howard Staunton across Europe, but Staunton never agreed to play him. He did play, and defeat, Adolf Anderssen, in the 1851 international championship. FTP, who was this small, nattily-dressed, and eventually crazy American chess master?

answer: Paul <u>Morphy</u>

18. This Monterey street was home to Lee Chong's grocery; the Western Biological laboratory, which supplied marine specimens for research; The Bear Flag Restaurant, which was actually a whorehouse; and the Palace Flophouse and Grill, where Mack and the bums hung out. FTP, what is this street famed for its fish-packaging plants chronicled by John Steinbeck?

answer: <u>Cannery Row</u>

19. The pallino must land five feet beyond the regulator, outside of the foul area, and away from the walls. Players then alternate turns of two to four balls, attempting to land their shots near the pallino without hitting any of the other balls. Each ball closer than the opponent's best earns one point. FTP, what is this popular Italian bowling game similar to *boules*, nine-pin, and lawn bowling?

answer: bocce [BAH-chee]

20. The variation of this quantity allows one to cast Newton's equations of motion in a variational form; when integrated, it yields the action which was the basis of Richard Feynman's version of quantum mechanics. It is equal to the difference in kinetic and potential energies and is usually denoted "L". FTP, what is this quantity, named for the 18th century Frenchman who first studied its properties?

answer: Lagrangian

21. It was to be financed with $100 million combined with a tax on processors. Before being declared unconstitutional in *U.S.* v. *Butler*, it worked to reduce productive acreage, foster marketing quotes, extend credit, and provide relief on farm mortgages. FTP, name this alphabetically first 1933 New Deal emergency measure.

answer: Agricultural Adjustment Act (Agricultural Adjustment Administration, AAA)

22. It is historically important for describing the critical point and phase separation; two phenomena that appear as a result of correcting for the finite size of gas molecules and their finite attraction for each other. These corrections modify the pressure and volume terms in the ideal gas law to produce an equation of state which is cubic in the volume. FTP, name this equation.

answer: van der Waals' equation

23. In July, 1917, Nikola Pasic and other exiles formed a pact on the island of Corfu; they agreed that following the war the Karageorgevic dynasty of Serbia would establish a unified state of southern Slavs. This occurred, but disorder after the death of Pasic led king Alexander I to rename the country in 1929. FTP, by what name do we know this country now fractured into Croatia, Slovenia, and others?

answer: Yugoslavia
accept: Kingdom of Serbs, Croats, and Slovenes until "rename"; prompt afterwards

24. She drew upon her experiences in bunraku, shadow puppetry, and Indonesian theater for her first international success, *Juan Darien, A Carnival Mass*, a life-size puppet-show dramatizing the conflict between Church and jungle. FTP, name this performance artist whose theatrical version of Disney's *The Lion King* opened on Broadway this July.

answer: Julie Taymor

25. His clan was dethroned in 1772 by the Tayson rebellion; he eventually fled to Phu Quoc island and met Pigneau de Behaine who took his case to France. Louis XVI agreed to intervene and provided troops to restore his Empire while, unintentionally, entwining France in Southeast Asia for 180 years. FTP, who is this man, crowned in 1802 as the first emperor of a unified Vietnam?

answer: Gia Long (Nguyen Anh)

26. Underdeveloped nations often have a difficult time privatizing industries because foreign companies don't trust them to hold fair auctions or provide correct information. To avoid this, some nations allow their state industries to be inspected, auctioned, and sold by the International Finance Corporation, the private arm of a respected multinational organization. FTP, name this organization, the sister of the International Monetary Fund.

answer: World Bank
prompt: International Bank for Reconstruction and Development
accept: International Finance Corporation (IFC) before "International"

27. He wrote: "It is a question of building which is at the root of the social unrest of to-day [sic]: architecture or revolution"; "Man looks at the creation of architecture with his eyes, which are 5 feet 7 inches from the ground"; and "The plan proceeds from within to without; the exterior is the result of an interior." FTP, name the author of _Towards a New Architecture_, the work in which these quotes appear.

answer: Charles Edouard Jeanneret (Le Corbusier [core-BOO-see-ay])

On Beyond Zebra Round 9
Hosted by the University of Illinois (1997)
Packet by Springfield Heights Institute of Technology
R. Robert Hentzel

Bonuses

1. Given the prominent American captain, name his most famous ship for 10 points each.

A.   Lloyd M. Bucher

answer: *Pueblo*

B.   John Paul Jones

answer: Le *Bonhomme Richard*

C.   Raphael Semmes

answer: *Alabama*

2. Some movies' plots revolve around a piece of music. Identify these for 10 points each.

A.   The title work is a first symphony, titled "The American." It features electric guitars and other modern instruments.

answer: *Mr. Holland's Opus*

B.   This Krzyzstof Kieslowski movie, part of a trilogy, begins with the death Europe's preeminent composer as he was on the verge of finishing his "European Concerto," celebrating unity.

answer: *Blue*

C.   Beethoven's Ninth Symphony is boomed out while Alex undergoes "aversion therapy" to destroy his violent nature.

answer: A *Clockwork Orange*

3. Identify the following European novel; 30-20-10.

30.   The action begins with two men on the train to Moscow; one has just inherited a large fortune, the other is a recovering epileptic who will inherit an even larger fortune.

20.   The plot concerns the inability of even the most perfect, simple, caring man to remain that way in a corrupting society.

10.   That recovering epileptic is named Prince Lyov Nikolayevich Myshkin.

answer: The *Idiot*

4. Only two constitutional amendments have been adopted explicitly to repudiate Supreme Court decisions.

A.   First, for ten points each, name those two amendments.

answer: eleventh and sixteenth

B.   Now, for five points each, name the two cases which the eleventh and sixteenth amendments overturned.

answer: *Chisholm v. Georgia* and *Pollock v.Farmers' Loan*

5. Given a description of a bloody day in European history, you name it for 10 points apiece.   Andy Wang, we know you're out there, somewhere, reading this.

A.   The malevolent Charles of Anjou was ruthlessly murdered on Easter of 1282 and much of his domain passed into Aragonese control.

answer: Sicilian Vespers

B.   After the failed assassination of Gaspard de Coligny, the Queen of France ordered a bloodbath of the Parisian Huguenots in 1572.

answer: St. Bartholomew's Day Massacre

C.   Supposedly in retribution for the murder of a minor official, on November 9, 1938, a pogrom was unleashed against Jews throughout Nazi Germany.   It was followed by a series of measures designed to completely remove Jews from the economic life of Germany.

answer: Kristallnacht (the night of the broken glass)

6. Identify the authors of the following works for five points apiece.

A.   *An Anthropologist on Mars*

answer: Oliver W. Sacks

B.   *Men are from Mars, Women are from Venus*

answer: John Gray

C.   *Egg Monsters from Mars*

answer: R. L. Stine

D.   *The Chessmen of Mars*

answer: Edgar Rice Burroughs

E.   *The Case for Mars: The Plan to Settle the Red Planet*

answer: Robert Zubrin or Richard Wagner

F.   *The Martian Chronicles*

answer: Ray Bradbury

7. Give the following geographical terms relating to mountains for ten points apiece.

A.   This is the scientific term for the formation of mountain ranges.

answer: orogenesis (orogeny)

B.   Usually applied to the Andes or to the western ranges of the United States, this is a general term for more-or-less parallel ranges together with the intervening plateaux and basins.

answer: cordillera

C.   This is a major mountainous mass with relatively uniform characteristics which breaks up into a number of peaks toward the summit.

answer: massif

8. Identify the following southern belles for 15 points each.

A.   When her husband turns out to be gay, she flees the marriage, begins a promiscuous life, then tries to seduce her sister's husband's friend, Mitch.

answer: Blanche duBois (accept either name)

B.   She once had 17 gentleman callers on a Sunday afternoon, but her charms have left her unequipped to provide for Laura and Tom in urban St. Louis.

answer: Amanda Wingfield (accept either name)

9. Given each mythological beast, identify the hero who slays it for 10 point each.

A.   Huartu

answer: Gilgamesh or Enkidu

B.   Fenris the Wolf

answer: Vadir

C.   Chimera

answer: Bellerophon

10. Identify the following Platonic dialogues from brief descriptions for 10 points each.

A.   Socrates, on the way to his trial, meets a priest who is prosecuting his father for murder.

answer: *Euthyphro*

B.   Socrates, awaiting the return of the state trireme, refuses his old friend's offer to assist in his escape.

answer: *Crito*

C.   Socrates teaches a slave mathematics demonstrating that all knowledge is possessed at birth only to be later discovered.

answer: *Meno*

11. Given the enemies, identify the classic arcade game for 10 points each.

A.   Shadow Lords, Grey Lords, and pterodactyls

answer: *Joust*

B.   Barrels, fireballs, bouncing metal springs, and cement pies

answer: *Donkey Kong*

C.   The inflatable Pookas and Fygars.

answer: *Dig Dug*

12. Do you ever get tired of being told you can't do things? For 10 points apiece, tell me who first told you that you can't...

A. Construct a voting method with six desired and natural characteristics.

answer: Kenneth <u>Arrow</u>

B. Prove every true statement within a sufficiently powerful logical system.

answer: Kurt <u>Gödel</u>

C. Design an engine more efficient than a Carnot engine.

answer: William <u>Thompson</u> (Lord <u>Kelvin</u>)

13. Identify the following types of RNA for 10 points each.

A.   This contains genetic information transcribed from DNA. It is translated in the cytoplasm.

answer: <u>messenger</u> RNA (<u>mRNA</u>)

B.   This codes for adaptor molecules. It converts the base code of RNA and DNA into the amino acids present in protein.

answer: transfer RNA (tRNA)

C.   These provide an organized three-dimensional surface on which proteins can be assembled.

answer: ribosomal RNA (rRNA)

14. Identify the following poems which have some action set in the desert from lines for 10 points apiece.

A.   "somewhere in sands of the desert / A shape with lion body and the head of a man, / A gaze blank and pitiless as the sun, / Is moving its slow thighs..."

answer: The Second Coming

B.   "Two vast and trunkless legs of stone / Stand in the desert ... Near them, on the sand, / Half-sunk, a shattered visage lies."

answer: Ozymandias

C.   "In the desert / I saw a creature, naked, bestial, / Who, squatting upon the ground, / Held his heart in his hands, / And ate of it."

answer: The Black Riders and Other Lines (The Beast, The Heart)

15. Identify the following men who made theoretical contributions to the study of artificial intelligence for 10 points apiece.

A.   This British mathematician and cryptanalyst asserted that machines could be called intelligent when they conversed indistinguishably from humans.

answer: Alan M. Turing

B.   This American philosopher used his "Chinese Room" argument to prove that no algorithmic machine could be properly called intelligent.

answer: John R. Searle

C.   In Minds, Machines, and G^del, he claimed that humans were fundamentally different than machines because they could devise new systems in which previously unprovable theorems were now provable.

answer: J. R. Lucas

16. Identify the following Dutch lensgrinders for 5 points apiece with a 5 point bonus for all five.

A.   He created the first telescopes to achieve Europe-wide notice. It was news of his inventions that prompted Galileo to construct his own.

answer: Hans <u>Lippershey</u>

B.   He used his custom-built microscopes to extend the work of Harvey on the circulatory system and was the first to observe red blood cells. A poem about him is featured prominently in A.S. Byatt's *Possession*.

answer: Jan <u>Swammerdam</u> (1637-1680)

C.   This physicist invented the achromatic lens which made it possible to study the rings of Saturn.

answer: Christiaan <u>Huygens</u>

D.   This draper is generally credited with discovering the microscope and being the first to describe bacteria, protozoa, and spermatozoa.

answer: Antoni van <u>Leeuwenhoek</u> (1632-1723)

E.   This Jewish philosopher supported himself by grinding lenses while working on his masterpiece, *Ethics*.

answer: Baruch <u>Spinoza</u>

17. Identify these Mahler symphonies for 10 points each.

A.   He claimed to have written three blows of fate into this symphony which then appeared for real: resignation of his coveted conducting post, the death of his daughter, and his diagnosis with chronic heart disease.

answer: Gustav Mahler's <u>Sixth</u> Symphony

B.   This was the first all-choral symphony, mixing medieval hymns with the closing scene to *Faust*.

answer: Gustav Mahler's <u>Eighth</u> Symphony (*<u>Symphony of a Thousand</u>*)

C.   After the first performance, Mahler added a title. After the second performance (four years later). Mahler dropped the title and the second movement, "Flowers."

answer: Gustav Mahler's <u>First</u> Symphony (*The <u>Titan</u>*)

18. Identify the following famous Americans for 10 points each.

A.   As Chief Engineer of the Panama Canal, this man replaced the plans for a sea-level canal with a feasible one using locks.

answer: George Washington <u>Goethals</u>

B.   This botanist associated with Iowa State University and the Tuskegee Institute was famed for developing over 500 useful products from soybeans, peanuts, and sweet potatoes.

answer: George Washington <u>Carver</u>

C.   This Louisianian wrote about the South in reconstruction, interracial marriage, and civil unrest. Mark Twain claimed that his virtuous writings made the apostles look like mere policemen. He is most famous for *The Grandissimes.*

answer: George Washington <u>Cable</u>

19. Five moons in the solar system are known to have atmospheres. For 5 points apiece, give the primary atmospheric constituent of each of the following. 5 bonus points for getting all correct.

A.   Europa

answer: <u>Oxygen</u>

B.   Io

answer: <u>Sulfur dioxide</u>

C.   Ganymede

answer: <u>Oxygen</u>

D.   Titan

answer: <u>Nitrogen</u>

E.   Triton

answer: <u>Nitrogen</u>

20. Given the 20th century politicians, identify the African country with which they are most strongly associated for 10 points each.

A.   Patrice Lumumba, Joseph Kasavubu

answer: <u>Zaïre</u> (do not accept Congo)

B.   Daniel arap Moi, Rodert Ouko

answer: <u>Kenya</u>

C.   Nnamdi Azikiwe, Ibrahim Banbangida

answer: The Federal Republic of <u>Nigeria</u>

21. Given each of the following American islands, identify the body of water in which each is found for 10 points apiece.

A.   Angel Island

answer: <u>San Francisco Bay</u>

prompt: <u>Bay</u>

B.   Wizard Island

answer: <u>Crater</u> Lake

C.   Isle Royale

answer: Lake <u>Superior</u>

22. Given the brief description of a class of particles, give its name for 10 points apiece.

A.   any particle with an integral spin

answer: <u>boson</u>

B.   any particle that is composed of three quarks

answer: <u>baryon</u>

C.   any particle with half-integer spin which is not made of quarks.

answer: <u>lepton</u>

23.   Answer the following questions about Shintoism for 15 points each.

A.   These are the pantheistic element of Shintoism; they are in all natural landforms and also grant good harvests, offer protection, and so forth.   Deceased men become them.

answer: <u>kami</u>

B.   This sun goddess, the ancestor of the Emperors, is set above the rest of the kami.

answer: <u>Ameratsu</u>

24. Identify the following American short stories from brief descriptions for 10 points each.

A.   A wife "accidentally" kills her husband while on safari in Africa.

answer: *The <u>Short, Happy Life of Francis Macomber</u>*

B.   Prince Prospero and his gay friends are visited by the plague in the middle of a ball.

answer: *The <u>Masque of the Red Death</u>*

C.   The grandmother, her son Bailey, and her grandchildren June Star and John set out on an automobile trip to Florida.

answer: A *Good Man is Hard to Find*

25. Four American athletes have won seven medals in a single Olympic games. For 10 points each, name up to three.

answer: Mark <u>Spitz</u> (1976), Matt <u>Biondi</u> (1988), Willis <u>Lee</u> (1920), Lloyd <u>Spooner</u> (1920)

26. Identify the following literary animal; 30-20-10.

30.   It is a metaphorical name for the Hubbard family, taken from Song of Songs, which is about to invest considerable money into cotton mills along with Mr. Marshall.

20.   It is the type of animal to which Mosca's master corresponds; he keeps a hermaphrodite, a dwarf, and a eunuch for entertainment and schemes to commit adultery with Celia.

10.   One of them, Reynard, is the trickster hero of a great medieval beast epic.

answer: <u>fox</u> (The *Little Foxes*)
prompt: *Volpone*