Tossups

T1. It reached its greatest extent under Askia Muhammed I, but after he was deposed by his son the breakup of the state began, especially after a 1591 Moroccan invasion. Its power was increased by Sonni Ali who occupied Timbuktu in 1468, and it was founded by the Berbers of central Mali. FTP, name this largest of the former empires of the western Sudan region of north Africa.

Answer: _SONGHAI_

T2. The name's the same: the characteristic reptile is of the genus _Thamnophis_ and order _Squamata_, with the common type being blackish or brownish with three yellow stripes. The historical type was founded by Edward III in 1348, and has as its motto "Honi soit qui mal y pense." FTP, identify the highest order of British knighthood, and you will have the common name.

Answer: _GARTER_

T3. Drug treatment with pimozide is sometimes successful, but the basic cause is still unknown. Starting and becoming chronic during childhood, it is often coupled with attention deficit disorder, and patients can repeat the words or imitate the actions of others. FTP, identify this disease named after its French discoverer, which is characterized by involuntary tics, grunts, and obscene speech.

Answer: _TOURETTE'S_ Syndrome

T4. He maintained that mutations are the chief method by which new species develop during evolution, and that each changed quality is represented by a physical unit called a pangen. These views and others were expounded in _The Mutation Theory_ and _Plant-Breeding_, and his other work on osmosis took place at the University of Amsterdam. FTP, name this Dutch botanist whose work on the evening primrose led to his rediscovery in 1900 of Mendel's laws of heredity.

Answer: Hugo _DE VRIES_

T5. Referred to as moral tales by their author, they include the characters Hot Dog the Tiger, Gimme the Ax, White Horse Girl, Blue Wind Boy, and Jason Squiff the Cistern Cleaner. Succeeding books in the same vein include _blank Pigeons_, _blank Country_, and _Potato Face_, but the initial collection was published in 1922. FTP, name this collection of children's stories by Carl Sandburg.

Answer: _ROOTABAGA STORIES_

T6. Unlike in the Republic's anticlericalism, in it the Catholic Church was given a special role to guide moral regeneration. After the Allied invasion it was set up as a government-in-exile in the town of Sigmaringen, and under Francois Darlan and Pierre Laval the motto was changed to "family, country, and work." FTP, name this puppet regime set up by Henri Petain and the Germans.

Answer: _VICHY_ France (or Regime or equivalent)

T7. Born Friedrich Plumpe, he studied literature and art history before becoming a WWI combat pilot. He collaborated with the writer Carl Meyer on several films, and his use of the camera in an expressionistic manner contrasts sharply to the editing-centered works of Sergei Eisenstein, of whom he was an early contemporary. FTP, name this German-American film director of "Tabu," "Faust," "The Last Laugh," and "Nosferatu."

Answer: Friedrich W. _MURNAU_

T8. Two men have been arrested in connection with a bank robbery, and each possesses an illegal firearm. The district attorney, with no real proof concerning the case, separates the two and indicates that if they both confess, they will go to jail for only 10 years, but if neither confesses, they will get one year for the firearms. However, the problem arises if only one confesses, since he or she will go scot-free while the other is sentenced to 20 years in prison. FTP, name this complex problem of game-theory.

Answer: _PRISONER'S DILEMNA_

T9. She discussed her successful struggle against Parkinson's disease in her 1963 autobiography _Portrait of Myself_. A 1927 Cornell graduate, she served as associate editor of _Fortune_ magazine before marrying Erskine Caldwell. A member of the original _Life_ magazine staff, she remained an editor for 33 years, and contributed the magazine's first color illustration, that of the Fort Peck Dam. FTP, name this photojournalist known for her pictures of industry, social and economic conditions, and news personalities.

Answer: Margaret _BOURKE-WHITE_

T10. As a noun, it can refer to a dance-step executed by hopping lively on each foot in turn or tobacco cut into fine shreds. Taken from the Old Norse skegg meaning "beard" or skaga meaning "to project," it is also used as a verb meaning "to chase after and return a ball usually hit out of play." FTP, name this four-letter word featured prominently in a summer blockbuster starring Mike Myers.

Answer: _SHAG_

T11. Initially drawn to communism, he served as minister of public welfare shortly after WWI and as minister of state after WWII. After obtaining a law degree he studied philosophy with Henri Bergson and broke with communism, leading to such works as _Toda Raba_, in which he writes "I am a mariner of Odysseus with heart of fire but with mind ruthless and clear." FTP, name this writer of _The Last Temptation of Christ_, _The Greek Passion_ and _The Odyssey: a Modern Sequel_.

Answer: Nikos _KAZANTZAKIS_

T12. It was actually given in geometric form by Bonaventura Cavalieri nearly a hundred years earlier, but it was published for the world in _A New Treatise of Fluxions_. Its namesake originator was trained to be a weaver but became a self-taught mathematician, and it is only known by calculus students who fear Riemann sums and the trapezoidal rule. FTP, name this rule named after an English mathematician used for approximating numerical integrals.

Answer: Thomas _SIMPSON'S_ Rule

T13. In his poem called "Purifications," he approved the doctrine of transmigration. In his most famous work, an epic poem in hexameter, he describes four immutable elements in the universe (earth, air, fire, and water) and theorizes that these elements are combined by two opposing forces, love and strife. In another poem, Matthew Arnold found this man to be a figure expressive of his own pessimism. FTP, name this 5th century BC Greek philosopher, whose best-known work is _On Nature_ and who according to tradition threw himself into the crater of Mount Etna.

Answer: _EMPEDOCLES_

T14. At Dunvegan, on the west coast, is the castle of the clan Macleod, and at the north end are the ruins of Duntulm Castle, which belongs to the rival Macdonalds. The Cuillin (COO-il-in) hills rise to more than 3000 feet, and it is traditionally identified with Bonnie Prince Charlie, who was aided here by Flora Macdonald. FTP, name this Scottish isle with capital at Portree, which could be blue in the mind of John Tyndall.

Answer: _SKYE_

T15. Despite the existence of a title character, this poem really focuses on another character, who, in a blatant attempt by the author to flatter his patrons, eventually becomes the progenitor of the Este family. It begins with Angelica's escape from the custody of Duke Namo of Baviera, after which she flees to the island of Ebuda, where she is rescued from a sea monster by Ruggiero. FTP, name this romantic epic by Ludovico Ariosto, a continuation of Boiardo's _Orlando Innamorato_.

Answer: _ORLANDO FURIOSO_

T16. The namesake location was called Rumbold's, and was located in Hertfordshire on the road from Newmarket to London. An offshoot of previous schemes by the 1st earl of Shaftesbury, once it was discovered that the actual conspirators were only minor figures the Whig leaders William Russell and Algernon Sidney were fingered and executed. FTP, name this 1683 conspiracy to assassinate the duke of York and his brother Charles II.

Answer: _RYE HOUSE_ Plot

T17. A princess of Brabant has been dispossessed by Telramund and Ortrud, and the character in question becomes her husband on the sole condition that she not ask his name or lineage. However, Elsa does so on the marriage night and he is forced to disappear, and the swan by which he was towed is retransformed into her older brother Gottfried. FTP, name this legend or the son of Percival who is the center of it, the subject of an opera by Richard Wagner.

Answer: _LOHENGRIN_

T18. The goatherd Lamon discovers a child of noble birth suckling on one of his goats and he and his wife decide to raise it. Two years later the shepherd Dryas finds another child suckling on one of his ewes and he and his wife also decide to keep the child. So begins this Greek pastoral poem originally penned by the sophist Longus in the fourth or fifth century AD about the ill-fated love of these two foundlings. FTP, name this poem, which owes its modern-day fame to a French translation by Amyot and to it being the basis for a ballet and two orchestral suites of Maurice Ravel.

Answer: _DAPHNIS AND CHLOE_

T19. Minor characters include Marcus Chong as Tank, Julian Arahanga as Apoc, Matt Doran as Mouse, and Belinda McClory as Switch. Whoa. Set in the year AD 2199, it concerns the rebellion originating from the city of Zion. FTP, name this film directed by the Wachowski brothers starring Carrie-Anne Moss, Laurence Fishburne, and Keanu Reeves.

Answer: The _MATRIX_

T20. The current name originates from the days when Spanish sailing vessels would travel to the West Indies; after their voyages were prolonged, they were forced to throw their cargo overboard due to a lack of water for consumption. Associated with the subtropical anticyclone, after reaching the earth's surface the air spreads toward the equator as part of prevailing trade winds or towards the poles as part of the westerlies. FTP, name this series of two meteorlogical belts sometimes called the "calms of Cancer" and "calms of Capricorn," which has an equine identity.

Answer: _HORSE LATITUDES_

T21. The oldest of three sons of a garment industry worker, he conducted most of his research at the University of Pittsburgh. He refused all cash awards, instead choosing to work on the improvement of his most famous achievement, which is utilized by taking three strains of virus, growing them in medium and then formaldehyde to ensure their destruction. FTP, name this US physician and microbiologist who in 1953 developed the original polio vaccine.

Answer: Jonas _SALK_

T22. In _Le Mariage force_ (for-say), he is a rich man aged 64 who promises marriage to Dorimene a young girl in her teens. In _Don Juan or the Stone Guest_ he is a foolish, cowardly valet, and in _L'amour medecin_ he is the selfish father of Lucinde. FTP, name this commonly used name by Moliere, who is also featured in _The Doctor in Spite of Himself_, _The School for Husbands_, and as the title character in _The Imaginary Cuckold_.

Answer: _SGANARELLE_

T23. Characteristics of this type are an inability to act decisively in personal or social matters and a lack of contact with the life of the society in which he lives. The radical 19th century critics proposed to eliminate this useless character type with the exemplary positive hero, but such a task was only accomplished after the progression of socialist realism. FTP, name this type of protagonist in 19th century Russian literature, exemplified by Turgenev's _Rudin_, Goncharov's _Oblomov_, and Pushkin's _Eugene Onegin_.

Answer: _SUPERFLUOUS MAN_

T24. One severe feature is the retributive nature of punishment, which follows "an eye for an eye" literally. The originator was king in the 18th century BC, and whose beginning of the tower of Babel is identified with the present-day temple-tower of Etemenanki. The entire set of laws, while set down in writing much later, is carved on a diorite column in 3600 lines of cuneiform. FTP, name this object or the Babylonian king for whom it is named, which is located in the Louvre.

Answer: Code of _HAMMURABI_

T25. It is 1914, and the main character of this novel is last glimpsed with hundreds of comrades in a barrage of shrapnel, exploding grenades, and gunfire. The same character's development reaches a peak when he gets lost in the snow and has a vision, in which he sees a classical temple in which two hags are devouring a child. His development is influenced rationally by Dr. Behrens and Pieter Peeperkorn, but decadently by Dr. Krokowski and Clavdia Chauchat. FTP, name this bildungsroman by Thomas Mann, featuring the protagonist Hans Castorp.

Answer: The _MAGIC MOUNTAIN_ (prompt on Hans Castorp before "bildungsroman")

Terrapin Invitational Tournament 1999
Questions by Shaun Hayeslip and Scott Rosenkranz for Maryland B
Bonuses (All worth 30 points)

B1. Identify these scientists involved in the development of X-rays for the stated number of points.

1. For 5 points, this German physicist discovered X-rays in 1895.
Answer: Wilhelm _ROENTGEN_
2. FTP, he worked out a method of X-ray wavelengths in rock salt crystals, and won the 1914 Nobel Prize in physics for his development of X-ray diffraction theory.
Answer: Max _VON LAUE_
3. For 15 points, this geneticist and 1946 winner of the Nobel Prize for Physiology and Medicine developed a method for spontaneously inducing mutations by means of X-rays.
Answer: Hermann J. _MULLER_ (MULL-er, not MYU-ler)

B2. Identify these works of children's literature FTP each based on some quotes.

1. "Fudge was standing in the kitchen doorway with a big grin on his face. My mother picked him up and patted his head. 'Fudgie,' she said to him, 'tell Mommy where brother's turtle is.'"
Answer: _TALES OF A FOURTH GRADE NOTHING_
2. "'Oh, we don't travel at the speed of anything,' Mrs. Whatsit explained earnestly. 'We tesser.'"
Answer: A _WRINKLE IN TIME_
3. "Now, let's begin by my saying that we are going to hide out in the Metropolitan Museum of Art in New York City."
Answer: _FROM THE MIXED-UP FILES OF MRS. BASIL E. FRANKWEILER_

B3. Answer these questions regarding optical illusions FTP each.

1. When a large boy and a small dog are viewed through a hole in the wall, the relative sizes of the two are distorted based on our conventional view of the world and the misshapen room; name the illusion.
Answer: _PONZO_ illusion
2. Two lines are placed side by side, with attaching arrowheads facing either inwards or outwards. In this optical illusion, the lines are actually the same length despite errant instincts.
Answer: _MULLER_-Lyer illusion (MYU-ler)
3. In such works as _Belvedere_, this Dutch artist plays with the idea of optical illusions by making the impossible seem possible.
Answer: Maurits C. _ESCHER_

B4. For 5 points each, place these countries in order from smallest to largest by geographical size. They are: Ireland, Jamaica, Ghana, Rwanda, Moldova, Kiribati (KEER-i-bosch)

Answer (area in square miles in parentheses): _KIRIBATI_ (313), _JAMAICA_ (4244), _RWANDA_ (10169), _MOLDOVA_ (13012), _IRELAND_ (27137), _GHANA_ (92098)

B5. Identify these military units from a brief definition for 10 points each, or if you need another clue you'll get 5 points.

1. 10 points--In infantry, four squads under a lieutenant.
   5 points--In baseball, it is when a predominantly right-handed player will split time with a predominantly left-handed player.
Answer: _PLATOON_
2. 10 points--It involves a headquarters and three brigades with artillery, combat support, and combat service support units under the command of a major general.
   5 points--In the taxonomy of plants, it takes the place of a phylum.
Answer: _DIVISION_
3. 10 points--In infantry, it is ten enlisted personnel under a staff sergeant.
   5 points—"The Mod [blank]" was a classic TV show remade into a movie starring Claire Danes and Omar Epps.
Answer: _SQUAD_

B6. In the year AD 69, four emperors served for various lengths of time as head of the Roman Empire.

1. For 5 points each, name them.
Answer: _GALBA_, _OTHO_, _VITELLIUS_, _VESPASIAN_
2. For an additional ten points, who did Galba succeed as emperor?
Answer: _NERO_

B7. Identify these principles from calculus FTP each.

1. If F is a function of X and X is a function of T, the derivative of F with respect to T equals the product of the derivative of F with respect to X and the derivative of X with respect to T.
Answer: _CHAIN RULE_
2. Let F be continuous and differentiable on the interval [A, B]. Then there is a number C such that F prime of C is equal to F of B minus F of A divided by B minus A.
Answer: _MEAN VALUE_ Theorem
3. Let F be continuous and differentiable on the interval [A, B]. If F of A equals F of B, then there is a number C in [A, B] such that F prime of C equals zero.
Answer: _ROLLE'S_ Theorem

B8. Hard-core literature and those yummy snacks from Vlasic . . . pickles. Answer these questions concerning both on a 15-5 basis.

1. 15 points--The author of this 1911 novel portrayed a red pickle dish as a phallic symbol between the title character and his wife's young cousin.
    5--The wife is Zenobia and the cousin Mattie Silver in this Edith Wharton work.
Answer: _ETHAN FROME_
2. 15 points--The narrator in this British colonial novel ends up owning a factory in which he manufactures chutney from pickles, which serves as a metaphor for the chapters of his life and India's history.
    5 points--Saleem Sinai narrates this Salman Rushdie work.
Answer: _MIDNIGHT'S CHILDREN_

B9. 30-20-10 Name the thing.

30) In 1912, Frank Pick was appointed the head of the office of commercial management and began its development by acquiring several new lines.
20) Pick began to advertise with posters commissioned by various artists, which advertised various locations that could be reached.
10) The light blue line runs from Walthamstow Central to Brixton, while the pink line runs from Hammersmith to Barking. Mind the Gap.

Answer: _LONDON UNDERGROUND_ (or the _TUBE_ or some equivalent of London Subway, if you're feeling generous)

B10. The Grimke sisters were influential abolitionists and women's rights activists of the 19th century. Answer these questions about them for the stated number of points.

1. For five points each, give their first names.
Answer: _SARAH_ and _ANGELINA_
2. For another five points, Angelina Grimke wrote a letter in 1835 to this man, commending his work; he also edited the _Liberator_.
Answer: William Lloyd _GARRISON_
3. For 15 points, Angelina Grimke later married this abolitionist, a contributor to the American Anti-Slavery Society with Henry Stanton and publisher of _American Slavery As It Is_, on which _Uncle Tom's Cabin_ was partly based.
Answer: Theodore Dwight _WELD_

B11. Give the unit of measurement given a lesser known equivalent for the stated number of points.

1. For 5 points, 30.48 centimeters   Answer: _FOOT_
2. For 5 points, 3.786 liters   Answer: _GALLON_
3. FTP, 778 foot-pounds   Answer: _B_ritish _T_hermal _U_nit
4. FTP, 745.7 Watts   Answer: _HORSEPOWER_

B12. Identify these presidential losers FTPE.

1. A one-time president of the Commonwealth and Southern Corporation, this Democrat enrolled as a Republican in 1940 and received the presidential nomination.
Answer: Wendell _WILKIE_
2. This governor of New York from 1943-55 earned a national reputation for racket-busting, but is better known today for his two presidential race losses.
Answer: Thomas _DEWEY_
3. He left a large sum of money towards a New York City public library, but couldn't escape the scandal of his disputed loss.
Answer: Samuel _TILDEN_

B13. Identify these classical composers from Hungary for the stated number of points.

1. For 5 points, works of his include _The Miraculous Mandarin_ and _Duke Bluebeard's Castle_.
Answer: Bela _BARTOK_
2. FTP, this Hungarian composed over 35 light operas including _The Duke of Luxembourg_ and _The Land of Smiles_, but is best-known for _The Merry Widow_.
Answer: Franz _LEHAR_
3. For 15 points, choral works of his include _Psalmus Hungaricus_ and _Hary Janos_.
Answer: Zoltan _KODALY_

B14. Answer the following questions concerning the reaction of 1-bromocyclohexane with potassium hydroxide, catalyzed by ethanol.

1. Five for one, 10 for two, or 20 for all three, identify the three primary products that result from this reaction at standard conditions.
Answer: _POTASSIUM BROMIDE_ (or _KBr_), _CYCLOHEXENE_ (or _C_6H_{10}_), _WATER_ (or H_2O)
2. For an addtional 10 points, what type of organic reaction is this, so named because of the production of water and loss of the bromide group from the original hexane molecule?
Answer: _ELIMINATION_ reaction (or _dehydrohalogenation_)

B15. Answer these questions concerning the painting _The Figure 5 in Gold_ FTP each.

1. Who painted this 1928 piece?
Answer: Charles _DEMUTH_
2. Demuth based this abstract work on this poet's work, which includes "The Great Figure;" his initials are located at the bottom of the painting.
Answer: William Carlos _WILLIAMS_
3. Demuth was among a group of modernists who exhibited regularly at this artist's Gallery 291.
Answer: Alfred _STIEGLITZ_

B16. Identify these writers from a list of works FTP each.

1. _Jack of Shadows_, _Lord of Light_, _The Amber Chronicles_
Answer: Roger _ZELAZNY_
2. _Treason_, _Seventh Son_, _Ender's Game_
Answer: Orson Scott _CARD_
3. _The Day-Breakers_, _Flint_, _Guns of the Timberlands_
Answer: Louis _L'AMOUR_

B17. Name these things having to do with mythical floods for the stated number of points.

1. For 5 points, in Greek myth, he and his wife Pyrrha build a ship to prevent from being swept up in the deluge sent by Zeus.
Answer: _DEUCALION_
2. FTP, an ancient sage tells Gilgamesh the story of this Babylonian Noah, who was made immortal by the gods.
Answer: _UTNAPISHTIM_
3. For 15 points, the identity of Utnapishtim grew out of this Sumerian god, whose single account is currently fragmentary.
Answer: _ZIUSUDRA_

B18. 30-20-10 identify the scientist.

30) He recognized goiter as endemic and described miners' diseases which led to the identification of silicosis and tuberculosis.
20) Born in Eisendeln, Switzerland, he attacked the traditional medical textbooks by burning the works of Galen and Avicenna in public.
10) A quote from this 15th century alchemist: "What is accomplished with fire is alchemy, whether in the furnace or the kitchen stove." His real name was Theophrastus Bombastus von Hohenheim.

Answer: _PARACELCUS_

B19. Answer these questions about Taiwan for the stated number of points.

1. For a butt five points, what was the former name of Taiwan, as given to the island by the Portuguese?
Answer: _FORMOSA_
2. For another five, what is the capital of Taiwan?
Answer: _TAIPEI_
3. FTP, identify the dominant political party.
Answer: _GUOMINDANG_ (or _Kuomintang_ or _Nationalist_)
4. FTP, Taiwan was annexed by Japan following this 1895 treaty, which concluded the first Sino-Japanese War.
Answer: Treaty of _SHIMONOSEKI_

B20. Identify these characters from _The Sun Also Rises_ FTP each.

1. The story is told from the point of view of this man, who is rendered impotent by a war wound.
Answer: Jake _BARNES_
2. This is the name of the bullfighter with whom Lady Brett Ashley has an affair.
Answer: _ROMERO_
3. He is the man who Lady Brett plans to marry.
Answer: Michael _CAMPBELL_

B21. October 30 marked the 25th year anniversary of the "Rumble in the Jungle". Answer these questions concerning this monumental fight.

1. FTP all or nothing, name the two fighters in the "Rumble in the Jungle."
Answer: Muhammed _ALI_ and George _FOREMAN_
2. For 5 points, in what African city did the fight take place in?
Answer: _KINSHASA_, Zaire
3. For a well-earned fifteen points, who was the referee?
Answer: Zack _CLAYTON_

B22. Identify these things from the period of Italian fascism.

1. For 5 points, it is the color of the shirt worn by the fascist troops.
Answer: _BLACK_
2. This poet and writer of such works as _Francesca da Rimini_, _The Flame of Life_, and _The Triumph of Death_ introduced the blackshirt as the uniform of the fascists.
Answer: Gabriele _D'ANNUNZIO_
3. Gabriele D'annunzio led a raid on this Adriatic city claimed by Yugoslavia; after the war, he ruled it as a city-state from 1919 to 1921.
Answer: _FIUME_ (or _Rijeka_)