# Tossups by R. Robert Hentzel

**1.** The ancients identified three types: those of Surfeit, those of Plenty, and those of Death. Death was anything less than 17 feet while Surfeit was anything above 33 feet, with 27 feet being optimal. They took a month to travel from Elephantine Island to the Delta, so the reading of the first graduated well by the side of the river was of critical importance. For 10 points—name these annual occurrences of the Nile River that made Egyptian agriculture possible.

answer:        <u>Inundation</u>(s) or <u>Flood</u>(s)

**2.** The aplastic variety strikes at bone marrow and can only be cured with a transplant. Cooley's variety involves hemosiderosis—the deposition of iron by damaged blood cells in unwanted places. The pernicious variety is caused by a lack of vitamin B12 that prevents red blood cells from dividing. The sickle cell variety is a genetic disorder that results in misshapen red blood cells. For 10 points—name this class of disorders in which the number of functional red blood cells is drastically reduced.

answer:        <u>anemia</u>s

**3.** Peter Fleck won gold in barefoot jumping. Patrick Naylor won gold in downhill in-line. Cesar Mora won gold in aggressive in-line. Rat Sult won gold in super mass street luge. Dave Mirra won gold in vert bicycle stunt riding. Rozov and Burch won gold in skysurfing. Andy Macdonald won gold in skateboarding. And Kevin Jones won gold in big air snowboarding. For 10 points—at what collection of extreme sporting events organized by ESPN were these awards made?

answer:        <u>X Games</u>

**4.** The verdict in the charge of manslaughter against Max Blanck and Isaac Harris hinged on Judge Crain's instructions that they could be found guilty only if they knew the door had been locked. That could not be shown, and they were acquitted in the deaths of 146 people. For 10 points—name this infamous New York Company whose building burned to the ground in 1911.

answer:        The <u>Triangle</u> Shirtwaist Company

**5.** They only occur in binary systems consisting of a white dwarf and a nearby companion. The gravitational attraction of the white dwarf causes stellar material to fall upon it until its mass exceeds the Chandrasekhar limit. At this point, gravity overwhelms the Exclusion Principle and, after a short period of collapse, the star obliterates itself in a stupendous explosion. For 10 points—name this type of supernova, the brighter and shorter-lived of the two.

answer:        <u>Type I Supernova</u>   (prompt on "supernova")

**6.** Under the eerie greenish lights and within the diagonal composition of the table, balustrade, and floor planks, one catches sight of La Macarona pursing her bright red lips in a jaded smile, La Goulue fixing her hair, and a woman, her face deeply masked in make-up, cut off by the right-hand border of the picture. For 10 points—name this 1892 work in which the artist can be seen leaving the title establishment, waist-high to his cousin.

answer:        <u>At the Moulin Rouge</u>   (by Henri de Toulouse-Lautrec)

**7.** His wife Elizabeth was stabbed to death. His brother Max was killed in Mexico. His son Rudolf committed suicide. His nephew was shot in Serbia in 1914. The last event only increased his

determination to resist Slav nationalism in Bosnia, over which he ruled as King of Hungary since 1867. For 10 points—name this man who in 1848 ascended the Imperial Throne of Austria.

answer:         Emperor <u>Franz Joseph</u> I Habsburg (or <u>Francis Joseph</u> I)

**8.**      He sold ugly mongrels with forged pedigrees before the war, but was thrown into a world of stupidity and corruption by the plainclothesman Bretschneider, who thought his simple pronouncements on politics to be treasonous.  He was thrown out of a lunatic asylum, and served as batman to a chaplain and a lieutenant before being captured by the Russian army.  For 10 points—name this Czech soldier created by Jaroslav Hasek.

answer:         the good soldier <u>Svejk</u> or <u>Schweik</u>

**9.**      Either of two answers acceptable.  When the British Houses of Parliament burned in 1834, there were two losses mourned very little by the public, but which were sorely sorrowing to practicing scientists.  Luckily, facsimiles of their bodies were constructed which served the purpose remarkably well.  For 10 points—name either one of these standard measures that competed with France's meter and kilogram for supremacy.

answer:         standard <u>yard</u> or the standard <u>pound</u>

**10.**     The usual English translation of this slogan appears self-contradictory, but the original French attempts to express the notion that earning economic rent—that is purely legal ownership without any responsibilities—was a crime against the people who actually worked the land.  For 10 points—give this slogan of Pierre-Joseph Proudhon, that answers the title question of *What Is Property*?

answer:         <u>Property is theft</u>

**11.**     Dominated by the mountainous Snowdonia area in the northwest and the Brecon Beacons in the south, this 8,019 square mile principality is known to speakers of its native tongue as Cymru [KIM-rue].  These mountainous areas are connected by the plateaux and hills of the Cambrian Mountains.  For 10 points—name this eight-county region largely covered by the Cambrian Mountains, that was joined, in a 1536 Act of Union, to England.

answer:         <u>Wales</u>

**12.**     Two families arrive in northern California to settle in the Salinas Valley.  One came from northern Ireland while the other came from a little town in Connecticut.  Over three generations they played out the Biblical story of Adam, Cain, and Abel in the members of the Hamilton and Trask families.  For 10 points—name this John Steinbeck novel named for its characters' place of eventual exile.

answer:         <u>East of Eden</u>

**13.**     Oxygen is always two minus except in peroxides when it is one minus, and when combined with fluorine when it is two plus.  Hydrides are always one minus, but in all other cases hydrogen is one plus.  For elements, it is zero.  For ions, it is the charge.  Alkali metals are usually one plus, and alkaline earths are usually two plus.  For 10 points—name this concept of electrochemistry that decreases during reduction.

answer:         <u>oxidation number</u> or <u>oxidation state</u>  (do not accept "charge")

**14.**     She was born Nora Louise Kuzma in Ohio on May 7, 1968, but claimed to be Kristie Elizabeth

Nussman of Santa Monica, born 1962, in order to work at a job she wanted. She took the job ostensibly to support her father's crack habit, a fact revealed in 1986 on *Current Affair*, inducing federal agents to visit video stores across the country. For 10 points—name this lithe blonde who made her first porn film in 1983, several years short of being legal.

answer:        Traci <u>Lords</u>

**15.**    It is approximately equal to the base two logarithm of an integer, occasionally much smaller, but never much larger. The reason for this is that a number itself can always form the basis of a program to generate itself, but sometimes a much shorter program will do. For 10 points—name this uncomputable function of a natural number that gives the length of the shortest Turing machine program that will generate it.

answer:        <u>Kolmogorov</u> complexity (function)

**16.**    His corrupt and cowardly elderly brother promised to surrender his wife to a barbaric Shaka ruler who had defeated him in battle. Infuriated, he dressed himself as the queen and was taken to the Shaka monarch's harem where he murdered the king. He then returned to Magadhan, slew his brother Rama, and ascended the throne. For 10 points—name this Hindu ruler, the second of his name, under which the Gupta dynasty achieved its zenith.

answer:        <u>Chandra</u> Gupta II

**17.**    He began by noting that no man would ever believe that others were capable of more glorious feats than himself, and would accordingly dismiss praise of others as either exaggerated or trivial. He ended by offering education at the city's expense to the subjects' sons and noting that "wherever the greatest rewards are proposed for virtue, there the best of patriots are ever to be found." For 10 points—name this ancient statesman whose funeral oration for the Athenians fallen in the Peloponnesian War is still remembered today.

answer:        <u>Pericles</u>

**18.**    Its differential is given by the surface tension times the differential area, the force times the differential length for elongation, the potential difference times the differential electric charge for electricity, and the pressure times the differential volume for hydrostatic. Together with heat flow, it specifies the change in the internal energy of a thermodynamic entity. For 10 points—name this quantity introduced as the "change in kinetic energy" in mechanics courses, and usually denoted *w*.

answer:        <u>work</u>

**19.**    It was a magnificent collection of jewels that passed from a *rajah* to his trusted servant Achmet. Achmet was murdered by a gang of four men. Those four were imprisoned and the jewels were taken by Major Sholto to England. Major Sholto was murdered by one of the original four thieves, Jonathan Small. Small could not bear to lose it again and dumped it into the Thames when capture by Sherlock Holmes became inevitable. For 10 points—name this treasure at the heart of *The Sign of Four* that was named for the home of the Taj Mahal.

answer:        <u>Agra</u> Treasure

**20.**    There were two plebeian and two curule ones; all four were charged with archiving plebiscites, guarding the headquarters of the Plebs in the Temple of Ceres, creating standard weights and measures, doling out the grain supply, maintaining the sewers, bridges, buildings, and monuments, and, most prominently, running the great public games. For 10 points—name this Roman magistracy often

held before standing for a praetorship.

answer:       <u>aedile</u> or <u>aedile</u>ship

**21.**     The original one was founded on the 1850 centenary, after championing by Robert Schumann. Under the direction of Schumann, Carl Friedrich Becker, and Moritz Hauptmann, it issued 59 volumes before 1900, when it folded and was succeeded by a "new" one which turned the Eisenach birthplace into a museum, and set out to produce practicable performing scores of works like the *St. Matthew Passion*.  For 10 points—name this German group dedicated to a copious composer and frequent father.

answer:       (Neue) <u>Bach Gesellschaft</u> or (New) <u>Bach Society</u>

**22.**     It was deliberately burned to the ground in 1950; this act of destruction inspired a story of a sick and disturbed young man who was obsessed with beauty he could not obtain.  Ironically, that hero is a Zen acolyte who perverts the techniques of Zen as he learns them.  For 10 points—give the name shared by this ancient Zen temple and the 1959 Mishima novel about its destroyer.

answer:       The <u>Temple of the Golden Pavilion</u>  (or <u>Kinkakuji</u>)

# Bonuses  by  R.  Robert  Hentzel

*(all bonuses worth 30 points)*

**1.**      For 10 points apiece—identify the literary works in which the following brother and sister pairs engage in incest:

A.      Elianita and her brother Richard, in a Mario Vargas Llosa novel in which the title characters also commit incest, but aren't brother and sister.

answer:        Aunt  Julia  and  the  Scriptwriter or La tía Julia y el escribidor

B.      Robert Alabaster and his sister (who shares her name with a newly-discovered butterfly), in a work appearing in the collection *Angels and Insects*.

answer:        Morpho Eugenia

C.      Rahel and Estha, two Syrian Orthodox Christians almost born on a bus, in a work awarded the Booker Prize.

answer:        The God of Small Things

**2.**      id software has often borrowed from other sources for plot elements of its computer games. For 10 points each, identify:

A.      The movie in which the UAC shipping company, overrun in DOOM, first appeared.

answer:        Alien

B.      The story in which the evil Shub-Niggurath, defeated in Quake, first appeared.

answer:        The Call of Cthulhu

C.      The movie in which the blue afterspiral of the hypercannon of Quake II first appeared.

answer:        Eraser

**3.**      Two sculptors are famous for magnificent bronze gates.  For 5 points per name, and 10 points per building—identify the artists responsible for the "Gates of Paradise" and the "Gates of Hell," and their original location.

answer:        Lorenzo Ghiberti, the Baptistery in Florence;
                Auguste Rodin, the Musée des Arts décoratifs or Museum of Decorative Arts

**4.**      Given an Asian battle, for 10 points each—identify the winning commander.

A.      Sekighara, 1600

answer:        Tokugawa Ieyasu

B.      The first battle of Panipat, 1526

answer:         Babur or Babar

C.      The last battle of Carchemish, 605 BC

answer:         Nebuchadnezzar or Nebuchadrezzar or Nebuchodonosor (II)

**5.**     Given each black activist, identify the prominent organization with which he is most associated, for 10 points each:

A.      Stokely Carmichael and H. Rap Brown

answer:         Student Non-violent Coordinating Committee or SNCC  [snick]

B.      Huey Newton and Bobby Seale

answer:         Black Panthers

C.      Ralph Abernathy and Martin Luther King

answer:         Southern Christian Leadership Conference or SCLC

**6.**     Brazil and France will meet in the finals of the 1998 World Cup tomorrow.

A.      For 5 points each—what other two teams lost in the semifinals?

answer:         Croatia and the Netherlands (or Holland or Dutch)

B.      For 5 points each—what other four teams lost in the quarterfinals?

answer:         Argentina, Denmark, Italy, Germany

**7.**     It consists of measuring the energy absorbed by the hydrogen atoms in a compound as a function of the frequency of the applied magnetic field.  For 10 points each—

A.      Name this technique of analytical chemistry.

answer:         proton nuclear magnetic resonance spectroscopy or NMR

B.      When performing NMR on bromoethane, how many individual spikes will you see due to the compound alone?

answer:         seven

C.      Those seven spikes will be divided into how many groups?

answer:         two

**8.**     Identify the following organizations that employed George Balanchine at one time or another, for 10 points each:

A.      His first major job after leaving Russia was with this Parisian company of Sergei Diaghilev.

answer:        Ballet Russes

B.        After immigrating to America, Balanchine founded this company which was resident at the New York Met until its disbanding in 1938.

answer:        American Ballet Company

C.        In 1946, he co-founded the Ballet Society that became this celebrated company named for the city in which it was located.

answer:        New York City Ballet

**9.**        The two most prominent Latino politicians in America, Henry Cisneros and Federico Peña, rose to prominence as mayors and then became cabinet members.  For 10 points per city, and 5 points per office, identify those cities and cabinet positions.

answer:        San Antonio and Secretary of Housing and Urban Development or HUD  (Cisneros),
               Denver and Secretary of Transportation  (Peña)

**10.**        Answer the following questions about the ancient Egyptian conception of the afterlife, for 10 points each:

A.        Along with the body and soul, the personality included a spirit that would return to partake of the gifts left by relatives and priests at the coffin.  Name this spirit.

answer:        ka

B.        The cult of this god was originally restricted to royalty, but was democratized in the Middle Kingdom.  He offered all worthy believers eternity in the "Land of Reeds."

answer:        Osiris

C.        During the judgement of the cult of Osiris, the heart of the dead man would be weighed against an object representing truth.  What was that object?

answer:        feather

**11.**        Identify these French gunrunners, for 10 points each:

A.        This man made a fortune supplying arms to Washington's army and also penned a work that became the basis of operas by Gioacchino Rossini and Wolfgang Amadeus Mozart.

answer:        Pierre-Augustin Caron de Beaumarchais

B.        He ran guns from Marseilles to the Carlist forces in Spain before turning to writing; one of his most famous works is set in the fictitious republic of Costaguana.

answer:        Joseph Conrad  (or Jóseph Teodor Konrad Korzeniowski)

C.        This French poet ran guns from France through Africa after the disastrous end of his relationship with Paul Verlaine.

answer:            (Jean-Nicholas-)Arthur Rimbaud

**12.** The earth's crust is typically divided into two parts, a continuous lower layer that forms the ocean floor, and a discontinuous upper layer that forms the continents.

A.        For 5 points each—name these divisions of the crust, in order.

answer:            sima and sial

B.        For 5 points each—name the predominant plutonic rock of the sima and sial, respectively.

answer:            basalt and granite

C.        For 5 points each—silicon and oxygen predominate both layers; name the next most common elements of the sima and sial, respectively.

answer:            magnesium and aluminum

**13.** The Spanish Civil War was remarkable for the presence of International Brigades composed of volunteers from over 50 countries who fought on the side of the Republic.  For 10 points each—

A.        Which foreign country provided the most volunteers?

answer:            France

B.        What name was given to the American brigade?

answer:            Abraham Lincoln Brigade

C.        What foreign organization recruited, directed, and commanded the brigades?

answer:            Comintern or Communist International

**14.** 30-20-10-5.  Identify the first name shared by three characters of American literature.

A.        She is Quentin's second wife, an attractive, childlike ditz who became a Hollywood star despite completely lacking common sense.

B.        She is Brick's wife, intent on producing an heir in order to share in Big Daddy's estate.

C.        She is the sweet and innocent daughter of a Bowery family whose possible affair with Pete, her brother Jimmie's friend, offends the sham moral codes of the Johnson family.

D.        She is the title character of the last work, given the epithet "girl of the streets."

answer:            Maggie

**15.** For 10 points per answer—identify the following areas targeted during the Arab Revolt:

A.        The two earliest successes of the Revolt were the cutting of a vital railway, and the capture of an important port on the Red Sea.  Name these targets.

answer:            Hejaz Railway, and Aqaba (Aqabah)

B.    These successes allowed British troops under General Edmund Allenby to advance and win a major victory on September 19, 1918 on an historic field of battle.  Name that battle site.

answer:    Megiddo

16.    Identify the following topological properties, for 10 points each:

A.    A set that contains all of its limit points.

answer:    closed

B.    A set such that disjoint open neighborhoods can be chosen around any two points.

answer:    Hausdorff

C.    A set such that an open cover contains a finite subcover.

answer:    compact

17.    Identify the following women from Sanskrit literature, for 10 points each:

A.    The wife of Rama, she is forced to prove her purity after Ravana's abduction.

answer:    Sita

B.    The wife of the Pandava brothers, she is wagered on a game of dice.

answer:    Draupadi

C.    The wife of King Dushyanta, she is rejected by him while under the influence of an evil sage.

answer:    Shakuntala

18.    Identify the following men associated with the study of altruism, for 10 points each:

A.    This Russian geologist and anarchist argued from his observations in Siberia that Darwinian altruism, which he called "mutual aid," was more common than Darwinian competition.

answer:    Prince Peter Kropotkin

B.    This French philosopher coined the term "altruism" to mean any theory holding the good of others to be the final cause of moral action.

answer:    (Isidore-) Auguste (-Marie-François-Xavier) Comte

C.    This American biologist introduced the notion of "kin selection" in 1964 to explain some cases of altruism by natural selection.

answer:    William Hamilton

19.    The Pamir Knot is a nexus of mountains from which four great Asian ranges emanate.

A.      For 5 points each—name those four ranges.

answer:      Hindu Kush, Karakoram, Kunlun or K'unlun Shan, Tien Shan or Tian Shan

B.      For 10 points—name the country in which the Pamir Knot may be found.

answer:      Tajikistan

**20.**    Between 1677 and 1679, a popular uprising in the Albemarle area displaced deputy governor Thomas Miller, convened a legislature of its own, and exercised power for two years.

A.      For 10 points each—name the current state in which this rebellion occurred, and the man chosen as governor by the rebels.

answer:      North Carolina and John Culpeper

B.      The Culpeper rebellion was directed against the series of British acts denying the colonists access to markets outside of England and placing heavy duties on commodities.  For 10 points—give the general name for these acts.

answer:      Navigation Acts

**21.**    Identify the following about a man and his works, for 10 points each:

A.      This anthropologist is famous for his studies of the Trobriand Islanders during World War I.

answer:      (Kaspar) Bronislaw Malinowski

B.      Malinowski is most associated with this school of anthropology that axiomatized the notion that every tradition and cultural artifact exists because it fulfills a physical or psychological purpose.

answer:      (structural) functionalism

C.      One tradition Malinowski described was this ceremony in which islanders would carry necklaces to one of the neighboring islands and armshells to the other.

answer:      kula ring

**22.**    Identify this chain of German philosophers, for 10 points each:

A.      This author of *Psychology from an Empirical Standpoint* attempted to modernize the scholastic theory of "intentional existence" into his notion of "immanent objectivity."

answer:      Franz Brentano

B.      This student of Brentano emphasized and named the study of reality as it immediately presented itself to consciousness in his *Logical Investigations*.

answer:      Edmund Husserl

C.      This colleague of Husserl was to succeed him as chief phenomenologist, but devoted himself to the discovery of deep shades of and methods of being.  He is now ranked as an existentialist.

answer:        Martin <u>Heidegger</u>