

Wahoo War of the Minds 1997

Round Twelve

1. The use of phosphates in detergents has been regulated in recent years because phosphates released into the ground water fertilize the growth of algae in lakes. When the algae die, their bodies fall to the bottom. As the lake becomes shallower, bottom-rooted plants take hold, and eventually the lake becomes a marsh and, finally a meadow. This phenomenon is known by, FTP, what name derived from the Greek for "well-nourished"?

Answer: eutrophication

2. Possibly born in Wurzburg, he became court painter to the Archbishop of Mainz in 1508. His first known work is the *Mocking of Christ*, but he is better remembered for a folding altar he made for a hospital for skin diseases. FTP, name this subject of Hindemith's *Mathis der Maler*, whose masterpiece is the *Isenheim Altarpiece*.

Answer: Mathis Grunewald

3. He rebels after his friend, Paul Riesling, goes to jail for shooting his wife. After initiating an affair with Tanis Judique, he comes under the sway of Seneca Doane, a socialist lawyer, and refuses to become a member of the Good Citizens League. FTP, identify this title character of a 1922 novel, a real-estate agent from Zenith who represented conformity, created by Sinclair Lewis.

Answer: Babbitt

4. Designed by John Duncan, it stands on a bluff 130 feet above the Hudson river. It cost 600,000 dollars to build in 1897, and was made into a national memorial in 1959. The center of the monument is an open crypt which contains two sarcophagi. FTP, identify this New York City landmark, the final resting place of a general and president.

Answer: Grant's Tomb (accept General Grant National Memorial)

5. The one thousand, four hundred and fifty three men of Brigade 2506 did not fare well. Within 3 days, 274 had died, and the remainder had been captured. Eventually, the prisoners were traded for 53 million dollars in medical supplies and other goods, to the chagrin of the CIA. FTP, identify this attempt to use Cuban exiles against Castro, a failed invasion of 1962.

Answer: the Bay of Pigs invasion

6. In 1895, he took the chair of mathematics at Gottingen, which he would hold for the next 35 years. Doing his first work on algebraic number theory, he abandoned the subject in 1899, when he published *Foundations of Geometry*, a work which tried to describe geometry through abstract algebraic axioms. FTP, identify this German mathematician, who developed the concept of an infinite dimensional space now named for him, but who is best remembered for the speech he made to the International Congress of Mathematicians in 1900, in which he proposed 23 unsolved problems.

Answer: David Hilbert

7. Tim Stoddard had a nice career as a pitcher for the Padres, while Thurl Bailey was a steady performer for the Jazz and Timberwolves. Derek Whittenburg is now an assistant coach at his alma mater, while David Thompson is retired after a Hall of Fame career. These are the principals from the two championship basketball teams at FTP, what Southern school?

Answer: North Carolina State

8. At the end, Nancy joins her father in India, and the title character commits suicide. The German spa of Nauheim has been the site, for nine years, of meetings between Leonora, the narrator, John Dowell, and Edward Ashburnham, who has been having an affair with Florence. FTP, identify this novel, subtitled "A Tale of Passion," and published in 1915 by Ford Madox Ford.

Answer: The Good Soldier

9. The German diplomat Ernst von Rath was murdered in Paris by a Polish student named Herschel Grynszpan (GREEN-span). In response, Hermann Goering ordered a 1 billion mark indemnity from the Jews of Berlin, and Reinhard Heydrich interred 30,000 wealthy Jews and took their possessions. Joseph Goebbels then assembled S.A. forces to spread fear among Germany's Jewish population, starting a pogrom that killed 91 Jews and burnt 177 synagogues. FTP, identify this November 9, 1938 event.

Answer: Kristallnacht

10. The term with lowest multiplicity lies lowest in energy. For a given multiplicity, the term with the highest value of L is lowest, and for atoms whose shells are less than half-filled, the level with the lowest value of J is lowest in energy. In other words, if more than one orbital is available at a given energy, electrons first fill separate orbitals, with their spins parallel, and only then double up, with antiparallel spins. FTP, what are these rules, named for a German physicist, which govern the electron configuration of many elements?

Answer: Hund's rules

11. Marie loves Hans, but her father wants her to marry Wenzel, the half-wit son of Micha. The marriage broker pays Hans not to marry Marie, but after signing an agreement that only the son of Micha should marry her, he reveals that Micha is his father as well. FTP, identify this comic opera, famous for the "Dance of the Comedians," which was written in 1866 by Bedrich Smetana.

Answer: The Bartered Bride

12. He opposed Luther in *De Libero Arbitrio*, a treatise of 1524. Latin secretary to the Bishop of Cambrai, his *Novum Instrumentatum*, a parallel edition of the New Testament which replaced the Vulgate, first appeared in 1516, and was followed by his edition of Jerome. FTP, identify this Renaissance scholar, best known for such works as *The Dagger of the Christian Soldier* and *In Praise of Folly*.

Answer: Desiderius Erasmus

13. Defeat at the Battle of Lake Erie rendered General Henry Proctor's positions in Malden and Detroit untenable, and he elected to withdraw his forces to the north despite the protests of his Indian allies. Withdrawal began September 18, but on October 5, 1813, General William Henry Harrison overtook Proctor and inflicted a decisive defeat on the British. FTP, identify this War of 1812 battle in which future Vice-President Richard Johnson claimed to have personally killed Tecumseh.

Answer: Battle of the Thames

14. According to Manetho, the Greeks thought that he was an important figure, but his name has only recently been discovered on a statue base at Saqqara. High priest and chief minister to King Zoser, he later became a demigod, both as a healer and as an architect. FTP, identify this Egyptian, whose work on the Step Pyramid laid the basis for large scale stone masonry.

Answer: Imhotep

15. In 1767 he published *Dorando*, an allegory of the Douglas inheritance case, and two years later married his cousin, Margaret Montgomerie, after many philanderings. He was so impressed by General Paoli that he wrote *An Account of Corsica*, and his later work includes essays written under the name "Hypochondriack" and *The Journal of a Tour to the Hebrides*. FTP, name this Scottish author, who, on May 16, 1763, met the man whose biography he would publish in 1791 as *The Life of Samuel Johnson*.

Answer: James Boswell

16. Lakes in this state include Torrens and Gairdner. In the west lies the Nullarbor Plain, while the Great Artesian Basin lies in the northeast. FTP, name this state bordered by the Great Australian Bight and five other Australian states, whose capital is at Adelaide.

Answer: South Australia

17. His most important economic work was the *Elements of Public Economics*, published posthumously in 1804, in which he set forth views on population that anticipated those of Malthus. Trained at the Jesuit college of Parma, he was strongly influenced by Montesquieu, and contributed to the reform magazine *Il Caffè* before publishing his most famous book at the age of 26. FTP, name this Italian thinker, a professor at Milan who argued against torture and the death penalty in his 1764 *On Crimes and Punishments*.

Answer: Cesare Beccaria

18. Newer additions of the work are edited by Eugene Vinaver and rely on a manuscript discovered at a school in Winchester in 1934. Divided into 21 books and 8 tales by its publisher, William Caxton, it was probably completed around 1470, while its author was imprisoned in the Tower of London. FTP, identify this prose work, named for the last tale it contains, and written by Thomas Malory.

Answer: Le Morte D'arthur

19. The youngest of the fourteen children of the first Earl of Cork, he moved to Oxford in 1654, where his work on an improved air pump proved that all objects fall at the same rate in a vacuum. He argued against the Aristotelian notion of four elements, proposing that elements were simple bodies that could be combined to make compounds, in 1661's *The Sceptical Chemist*. FTP, name this British chemist, who showed that the volume of air would be cut in half if the pressure were doubled, which he generalized as the law stating that the product of pressure and volume is always constant.

Answer: Robert Boyle

20. The day after his death, the national assembly unanimously elected Ismet Inonu president. On May 19, 1919, he arrived at Samsun as the inspector of the third army, and preceded to set up a provisional government, which was recognized by the Treaty of Sevres. FTP, identify this nationalist leader and first president of the Turkish republic.

Answer: Mustafa Kemal Ataturk

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Boni:

1. Identify the following concerning a Russian play, for the stated number of points.

1. 10 points: The main character of this play is a civil servant from St. Petersburg who takes advantage of being mistaken for a government official to collect bribes and romance the daughter of a small town's mayor.

Answer: The Inspector General

2. 5 points: Name the author of *The Inspector General*.

Answer: Nikolai Gogol

3. 15 points: Name the main character of *The Inspector General*, who leaves town before he is revealed as a fraud.

Answer: Khlestakov

2. Identify the following photographers FTP each.

1. The first photographer to receive a Guggenheim fellowship, the methods of this magic realist inspired the formation of the f.64 group in 1932.

Answer: Edward Weston

2. Along with Edward Weston, he organized the American section of the Stuttgart exposition of 1929. He is best known for "The Family of Man," a display he organized as a director at the Museum of Modern Art.

Answer: Edward Steichen

3. He was associated with Edward Steichen early in his career, publishing Steichen's work in his magazine *Camera Notes*. Founder of the 291 gallery, he is best known for his photographs of Georgia O'Keeffe.

Answer: Alfred Stieglitz

3. FTP each, identify these types of isomers.

1. These isomers have the same chemical composition but differ in the covalent arrangement, or bonding partnerships, of their atoms.

Answer: structural isomers

2. These isomers have the same covalent arrangement, but differ in the spatial arrangement of the atoms about an inflexible double bond. The biochemistry of vision involves the light-induced change of rhodopsin between isomers of this type.

Answer: geometric isomers

3. These are mirror-image pairs of isomers, which cannot be superimposed on each other, however rotated. Usually one of the pair is biologically active, the other not.

Answer: enantiomers

4. Identify the following TV shows of the 1960s, FTP each.

1. This TV western, the #1 show in 1961-62 season, focused on a different member of the traveling group each week.

Answer: Wagon Train

2. Kate Bradley watched over her 3 daughters and Hooterville in this sitcom that ran from 1963 to 1970.

Answer: Petticoat Junction

3. Richard Chamberlain interned at Blair General in this medical drama.

Answer: Doctor Kildare

5. Identify the following people associated with the life of Cinna FTP each.

1. Cinna became consul in 87 BC after swearing an oath to this man that he'd not disturb the Constitution while he was off fighting Mithridates VI in the east.

Answer: Sulla

2. Nonetheless, Cinna impeached Sulla and, with the help of this popular leader, massacred those supporters of Sulla remaining in Rome.

Answer: Marius

3. Which daughter of Cinna became Julius Caesar's wife?

Answer: Cornelia

6. Name the terms from Islam FTP each.

1. Islamic sacred law derived from the Qur'an, actions of the Prophet, and consensus of the community.

Answer: shari'ah

2. Collection of sayings and acts ascribed to the Prophet.

Answer: hadith

3. These are alms given to the poor.

Answer: zakat

7. Answer the following questions about an icosahedron for the stated number of points.

1. 5 points: How many faces does it have?

Answer: 20

2. 10 points: How many edges does it have, considering that the faces are triangular?

Answer: 30 (=20*3/2 since each edge is shared by two faces)

3. 15 points: How many vertices does it have, knowing that the Euler characteristic is 2?

Answer: 12 (F-E+V=2)

8. Identify the nineteenth century philosophers from works, on a 10-5 basis.

1. 10 points: *The Concept of Irony* and *Stages on Life's Way*

5 points: *Either/Or*

Answer: Soren Kierkegaard

2. 10 points: *Introduction to the Philosophy of History* and *Philosophy of Right*

5 points: *The Phenomenology of Spirit*

Answer: Georg W. F. Hegel

3. 10 points: *Daybreak* and *Untimely Meditations*

5 points: *Beyond Good and Evil*

Answer: Friedrich Nietzsche

9. Identify the following concerning an American author FTP each.

1. He was a professor of anatomy and physiology at Harvard from 1847 to 1882, writing books on homeopathy and the contagiousness of puerperal fever.

Answer: Oliver Wendell Holmes

2. In 1857, Oliver Wendell Holmes co-founded this magazine with James Russell Lowell.

Answer: the Atlantic Monthly

3. Holmes wrote three novels, the most famous of which was this 1861 romance of destiny whose title character is associated with a rattlesnake.

Answer: Elsie Venner

10. Answer these questions about an interesting time in Swedish history FTP each.

1. This King of Sweden defeated Poland in war in 1629, after which he took Swedish forces to the continent to participate in the Thirty Year's War.

Answer: Gustavus (II) Adolphus

2. This statesman served as chancellor of Sweden for the whole of Gustavus Adolphus's reign, skillfully handling foreign relations.

Answer: Count Oxenstierna

3. After Gustavus Adolphus's death in battle in 1632, this woman, his daughter, ruled as queen. She abdicated in 1654 after having secretly converted to Catholicism.

Answer: Queen Christina

11. Identify the natural philosopher, 30-20-10.

1. Supported by the Duke of Brunswick for most of his life, he invented the heliotrope, and calculated the precise orbit of Ceres based on only three data points.

2. Taking as his motto "few, but ripe", he often declined to publish his work. His studies of non-Euclidean geometry gathered dust for thirty years until Janos Bolyai replicated them; the revelation so discouraged Bolyai that he quit mathematics.

3. He was so pleased with his discovery that the 17-sided regular polygon could be constructed with straightedge and compass that he requested one be inscribed on his tombstone.

Answer: Karl Friedrich Gauss

12. Identify the poems by Percy Bysshe Shelley from quotes for 10 points each; if you need a second clue about the poems, you will only receive 5 points.

1. 10 points: "Till the future dares forget the past, his fate and fame shall be an echo and a light unto eternity"

5 points: It is an elegy on the death of John Keats.

Answer: Adonais

2. 10 points: "I fall upon the thorns of life! I bleed!"

5 points: This ode ends by asking "if winter comes, can spring be far behind?"

Answer: Ode to the West Wind

3. 10 points: "The earth doth like a snake renew / her winter weeds outworn"

5 points: The quote comes from "The world's great age begins anew," the second chorus from this drama on the Greek war of independence.

Answer: Hellas

13. Identify the following early church councils FTP each.

1. This council called in 325 decided against Arianism.

Answer: Nicaea (I)

2. This council held in 431 deposed Nestorius as bishop of Constantinople.

Answer: Ephesus

3. The first of four councils in this city was held in 381 and is said to have composed the final Nicene Creed.

Answer: Constantinople

14. Identify the following early composers for the piano, for the stated number of points.

1. 5 points: His compositions for the instrument include the *French Suites*, the *Goldberg Variations*, and the *Chromatic Fantasy and Fugue*.

Answer: Johann Sebastian Bach

2. 10 points: This son of the founder of Neapolitan opera was thought to be possessed by the devil. He wrote a number of sonatas, and a serious revival of his music was led by Vladimir Horowitz.

Answer: Domenico Scarlatti

3. 15 points: This Frenchman wrote four volumes of pieces for the clavecin. In his suite, *Les folies francaises*, he tried to equate moods and colors in music.

Answer: Francois Couperin Le Grand

15. Identify the following concerning a morality play FTP each.

1. Dating from around 1495, the hero of this play, a version of the Dutch *Elckerlijck* (EL-ker-LIKE), becomes resigned to his approaching death.

Answer: Everyman

2. When Everyman searches for companions to accompany him on his final journey, this is the only one who will come with him.

Answer: Good Deeds

3. *Everyman* experienced a revival in 1911 when this German playwright published a verse translation of it.

Answer: Hugo von Hofmannsthal

16. Answer the following questions about 1854 FTP each.

1. He established himself as President of the new Republic of Sonora, which consisted of the Mexican states of Sonora and Baja California.

Answer: William Walker

2. The ports of Shimoda and Hakodate were opened to trade with the U.S. per the terms of this treaty with Japan.

Answer: Kanagawa

3. John Mason, Pierre Soule and James Buchanan wrote of Cuba, "We shall be justified in wresting it from Spain, if we possess the power" in this document.

Answer: Ostend Manifesto

17. The DSM-IV recognizes disorders such as autism as belonging to a categories labeled as PDDs. FTP each,

1. What does PDD stand for?

Answer: Pervasive developmental disorder

2. One PDD was described in Europe during WWII, simultaneously with Kanner's description of autism in the U.S. Also labeled autism originally, sufferers develop normal speech with less intellectual impairment than Kanner's autism, but have severe social deficiencies and also exhibit repetitious behavior.

Answer: Asperger's syndrome

3. Described only in females, in this PDD development begins normally, but between the ages of 5 months and 2 years comes to a halt and then regresses permanently to the earliest infantile states.

Answer: Rett's disorder

18. FTP each, give these terms from genetics.

1. The ability of a single gene to have multiple phenotypic effects.

Answer: pleiotropy

2. A condition where a gene at one locus alters the phenotypic expression of a gene at a second locus.

Answer: epistasis

3. The X chromosomes, one in each cell of a female mammal, which are inactivated during embryonic development.

Answer: Barr bodies

19. Given a country, name its capital for the stated number of points.

1. 5 points: Kenya

Answer: Nairobi

2. 10 points: Nigeria

Answer: Abuja

3. 15 points: Lesotho

Answer: Maseru

20. Name the following agreements from the 1920s, FTP each.

1. This 1924 agreement reduced the amount of German reparations.

Answer: Dawes Plan

2. This 1925 agreement signed by Germany and its neighbors recognized their common borders.

Answer: Locarno Pact

3. This 1928 agreement replaced the Dawes Plan and furthered decreased reparations.

Answer: Young Plan