

Wahoo War of the Minds

Round Eighteen

1. It is set at a boarding-house by the sea which belongs to a deck-chair attendant and his wife Meg. The only boarder is Stanley, who claims that he was a concert pianist, and who is frightened when two new boarders, McCann and Goldberg, arrive. FTP, name this play, which ends with the newcomers taking Stanley away after he becomes hysterical during a game of blind-man's buff during the title event, a 1957 work that was the first success of Harold Pinter.

Answer: The Birthday Party

2. To provide Rome a harbor for Egyptian grain, he built the Portus Romanus near Ostia, and it took eleven years to finish his project of draining the Fucine Lake. The first emperor proclaimed by the army, his most important military feat, aided by Aulus Plautius and Vespasian, was the permanent occupation of England, accomplished with the defeat of Caractacus. FTP, identify this Roman emperor, the brother of Germanicus who succeeded Caligula and whose reign was followed by that of Nero.

Answer: Claudius

3. He developed a method using 2,4-dinitrofluorobenzene, the reagent named for him, to label an amino acid at the free amino end of a protein. In 1977, he succeeded in describing the base sequence of Phi X 174, a virus, and went on to sequence mitochondrial DNA and the Epstein-Barr virus. FTP, name this British biochemist, who won a Nobel Prize for his work on nucleic acids 22 years after winning the prize for his description of insulin, the first winner of two Nobels for chemistry.

Answer: Frederick Sanger

4. Emigrating to the United States in 1803 to avoid conscription into Napoleon's army, this illegitimate son of a chambermaid and a French sea captain was born in Haiti and in his youth received instruction in drawing from Jacques Louis David. His son John finished *The Viviparous Quadrupeds of America* after he went blind in 1846. FTP, name this writer who had to go to England to find a publisher for his masterpiece *Birds of America*.

Answer: John James Audubon

5. In *Lolita*, it is the name that Humbert Humbert gives his car, and the name was adopted by Oscar Wilde, a descendant of the novel's author, after he was released from prison. He makes a deal with Satan for long life, but can transfer the debt if he can find someone else to take it up; however, no-one, from a lunatic to a victim of the Inquisition, will agree to do so. FTP, identify this doomed figure, the title wanderer of an 1820 Gothic novel by Charles Maturin.

Answer: Melmoth the Wanderer

6. If a laboratory using delicate equipment is located next door to a factory that creates vibrations that alter the readings on the instruments, the negative externality is caused by the fact that the two parties are engaged in incompatible activities. The solution depends on the party that can avoid the problem at a lesser cost, and, if the bargaining costs are small enough, the two parties will agree on the solution regardless of who is assigned property rights. FTP, name this economic theorem, formulated by the winner of the 1991 Nobel Prize in Economics.

Answer: the Coase theorem

7. He left retirement to chair a peace convention in Washington in 1861, also serving briefly in the Confederate Congress prior to his death. Entering Congress in 1816 as a Jeffersonian Democrat, he served two years as governor of Virginia before entering the senate, where he remained for nine years before resigning rather than support the resolution that would expunge Jackson's censure from the record. FTP, name this politician, nominated vice-president on the Whig ticket in 1840, who became President in April 1841 on the death of William Henry Harrison.

Answer: John Tyler

8. His philosophical works include *Secretum*, a dialogue with St. Augustine, and *On His Own Ignorance and that of Others*, an attack on Aristotelianism. Better known as a poet, he wrote twelve eclogues and an epic poem based on the life of Scipio, though he is better remembered for his lyrics. FTP, name this Italian author, the first modern poet to be crowned with the laurel, who is best remembered for the form of sonnet named for him and for his love for Laura.

Answer: Petrarch or Francesco Petrarca

9. He revised the number of lanthanides to 32, stated the number of elements in the early periods, and, in 1897, proposed the importance of atomic number instead of atomic weight. Spending his entire career as professor of physics at Lund, he introduced the idea of wave numbers, and his work on atomic emission spectra led to his generalization of Balmer's equation. FTP, identify this Swedish scientist, whose formula for frequencies of lines in the spectrum of hydrogen depends on the constant named after him.

Answer: Johannes Rydberg

10. In Acts, he is described as a villager in Samaria who was converted by Philip. He was condemned after he approached Peter and John in an attempt to acquire the ability to perform miracles and confer the Holy Spirit. FTP, identify this magician, who was worshipped along with his wife Helena, and whose name has been given to the practice of buying and selling religious offices.

Answer: Simon Magus

11. He personally subdued the rising of the north, ravaging a strip from York to Durham, and consolidated his power by the reduction of Hereward's last stand on the Isle of Ely. Requiring all vassals to take the Oath of Salisbury, making them directly responsible to the crown, he replaced Archbishop Stigand with Lanfranc, who enforced celibacy and instituted monastic reforms. FTP, identify this English ruler, who instituted the Domesday survey and began Norman rule of England with his victory at the Battle of Hastings.

Answer: William I or William the Conqueror

12. The son of a weaver, he decided to compose operas when he first heard Rossini at the Naples Conservatory. He wrote his first opera, *Enrico di Borgogna*, while serving in the army, and went on to success with 1822's *Zoraide di Granata*, which led to his exemption from military service. FTP, name this composer, who spent three years in a mental institution prior to his death at the age of 51, best known for *Don Pasquale*, *Anna Bolena*, *Lucia di Lammermoor*, and *The Elixir of Love*.

Answer: Gaetano Donizetti

13. After the main character flirts with Robert Lebrun, she begins to question her social role as a good wife and mother, as represented by her friend Adele Ratignolle. She has an affair, but realizes after having a child that lovers cannot make her happy, and returns to Grand Isle to drown herself. FTP, identify this story of Edna Pontellier, a novel by Kate Chopin.

Answer: The Awakening

14. It is separated from the island to the south by the Strait of Bonifacio. Featuring the cities of Rogliano, Ajaccio (ah-jack-see-oh), Bastia, and Porto-Vecchio, the Ligurian Sea lies to the north and the Tyrrhenian Sea lies to the east. FTP, name this Mediterranean island, owned by France, which is best known as the homeland of Napoleon.

Answer: Corsica

15. In addition to founding the science of seismology, John Michell may have been the first to construct one of these devices. Charles Coulomb also built one, and used it to measure the force between electric charges. Later, Henry Cavendish, who inherited Michell's apparatus, refined it and used it to measure the gravitational constant. FTP, what are these instruments, also used by Baron Eotvos to prove the equivalence of inertial and gravitational mass, consisting of two small masses, balanced on a light rod and suspended by a thin, twisting fiber?

Answer: torsional balances

16. In 1799, Amasa Delano lands his ship on a barren island off the coast of Chile, where he meets the title character, the sickly commander of a Spanish ship. The man tells him of his journey past Cape Horn, and his men attack Delano, though both captains escape. FTP, name this short story, which ends with Babo's execution in Lima and the death of the title character, one of the Piazza Tales of Herman Melville.

Answer: Benito Cereno

17. After studying at Southeastern State University, she made her debut in 1976 with "I Don't Want to Be a One Night Stand." Winner of the 1987 Grammy for Best Country Female Vocalist, she also won in 1986 for "Whoever's In New England" and in 1993 for her collaboration with Linda Davis, "Does He Love You." FTP, identify this woman, who appeared in the movie *Tremors*, best known for "Is There Life Out There" and for being the "Queen of Country Music."

Answer: Reba McEntire

18. In 1924, British anthropologist Raymond Dart discovered a fossilized skull in a quarry in South Africa, and declared it to be the remains of an early human, assigning it this genus. Over time, similar fragments were found, and in 1974, in the Afar region of Ethiopia, Mary Leakey discovered "Lucy", a skeleton that was 40 percent complete. Distinguished from the apes by their upright posture, bipedal gait, and human-like teeth, they nonetheless had ape-sized brains. FTP, what is this genus of human ancestors, whose scientific name means "southern ape"?

Answer: Australopithecus

19. In Book V of *The Fairie Queene*, the name is given to a young attendant on Sir Artegal. The name is shared by two figures in Greek myth, one of whom was the inventor of the saw, also known as Perdix, who was thrown into the sea by Daedalus out of jealousy. FTP, give this name, which was given to a giant who bled to death after Medea magically removed the nail which closed his only vein, the brass guardian of Crete.

Answer: Talus

20. Born in 1871 in Grazzano Monferrato, he served in World War I and rose swiftly through the military ranks. By 1935, he was commander-in-chief of the Italian army and advanced to chief of the Italian general staff during the Second World War. FTP, name the man Victor Emmanuel III called upon to head the government in the wake of Mussolini's resignation, best known as the signer of the agreement by which Italy surrendered to the United Nations.

Answer: Pietro Badoglio

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Boni:

1. Identify the novels by various Brontes, FTP each.

1. Published along with *Wuthering Heights*, this novel tells the story of a poorly treated governess who marries a curate, Mr. Weston.

Answer: Agnes Grey

2. Set in Yorkshire near the end of the Napoleonic Wars, the hero of this novel is a mill owner named Robert Moore.

Answer: Shirley

3. This novel tells the story of Lucy Snowe, who teaches at a boarding school in the title city.

Answer: Villette

2. Evaluate the following integrals, FTP each.

1. The integral from -1 to 1 of $x^3 dx$.

Answer: 0

2. The integral from 0 to x of $\cos t dt$.

Answer: Sine x

3. The integral from 0 to x of $\sin t dt$.

Answer: 1 - cosine x

3. Identify the following things from the 1850s, FTP each.

1. Nine southern states attended this convention in 1850, which demanded the extension of the 36-30 line.

Answer: the Nashville convention

2. The opening of this canal between Lake Superior and Lake Huron in 1855 enabled the growth of the steel industry by providing cheap transportation of iron ore.

Answer: the Soo canal

3. John Brown staged this massacre on May 24, 1856, in retaliation for an attack on Lawrence by pro slavery forces.

Answer: Pottawatomie Creek

4. Identify the German poets on a 10-5 basis.

1. 10 points: His affair with Susette Gontard, a married woman that he addressed as Diotima in his verse, drove him mad in 1803.

5 points: He wrote one novel, *Hyperion*, but is better known for lyrics like "Bread and Wine" and "The Rhine."

Answer: Friedrich Holderlin

2. 10 points: His lesser known works include *Atta Troll*, a narrative poem about the death of a trained bear, and *The Situation in France*, written while he was living in Paris in the 1830s.

5 points: This Jewish journalist and poet is best known for his *Travel Sketches* and *Book of Songs*.

Answer: Heinrich Heine

3. 10 points: A secretary to Rodin, he wrote a novel, *The Notebooks of Malte Laurids Brigge*.

5 points: This poet is better remembered for his *Sonnets to Orpheus* and the *Duino Elegies*.

Answer: Rainier Maria Rilke

5. Identify the following treaties that followed the War of the Spanish Succession, for the stated number of points.

1. 5 points: By the terms of this 1713 treaty, Philip was recognized as the Spanish king on condition that the French and Spanish crowns never unite.

Answer: Utrecht

2. 10 points: This 1714 treaty ended the war with Austria, as Spain gave up her holdings in Flanders, Italy, and Luxembourg.

Answer: Rastatt

3. 15 points: By the terms of this 1720 agreement, Austria promised the rule of Parma, Piacenza and Tuscany to Charles, Philip's son by Elizabeth Farnese.

Answer: the treaty of the Hague

6. Happy Days had a baby, and they named it "Joanie Loves Chachi." The Brady Bunch has had a few babies too. Name each of the following FTP each.

1. This TV movie reunited eight of the nine original cast members. The tense climax came when the power of the Bradys' caroling freed architect Mike from the wreckage of a collapsed building.

Answer: A Very Brady Christmas

2. This cartoon, a Filmation production, focused on the Brady children.

Answer: The Brady Kids

3. This series of the early 1980's, which only lasted two and a half months, reunited four members of the original cast and focused on the Brady girls' simultaneous weddings.

Answer: The Brady Brides

7. FTP each, name these scientists who worked with crystal structure.

1. He formulated the relationship " $n \lambda = 2d \sin \theta$ " between the spacing of atomic planes in a crystal and the angles of incidence at which the crystal most intensely reflects electromagnetic radiation, sharing the Nobel Prize in physics with his father.

Answer: Sir William Lawrence Bragg

2. This French physicist carried out mathematical studies of crystal lattices, enumerating the fourteen possible space groups of symmetry operations. The fundamental model of a crystal lattice is named for him.

Answer: Auguste Bravais

3. A versatile physicist who also shared the 1952 Nobel Prize for the development of nuclear magnetic resonance, his work on the quantum mechanics of crystals showed that an electron wave function in a crystal can be written as the product of a plane wave and a function with the periodicity of the Bravais lattice.

Answer: Felix Bloch

8. Identify the "P" initialed artists FTP each.

1. This action painter gave up brushes in 1947, stating that he "could control the flow of paint" himself.

Answer: Jackson Pollock

2. This Vermont born sculptor became famous with his 1835 bust of Andrew Jackson, using the money to go to Italy and create works like *Fisher Boy* and *Greek Slave*.

Answer: Hiram Powers

3. This painter of *Charge to Saint Peter* and *Crucifixion with Saints* studied with Leonardo and taught Raphael.

Answer: Perugino

9. Name the monks FTP each.

1. This Egyptian hermit, born in 250, is usually considered to be the first monk.

Answer: St. Anthony

2. This fourth century monk established a monastery at Caesarea and wrote a rule that has become standard for Eastern monks.

Answer: St. Basil

3. This monk founded a monastery at Monte Cassino in 529 and established an order that bears his name.

Answer: St. Benedict

10. FTP each, answer these questions about DNA.

1. These rules, which provided an important clue to the structure of DNA, state that the proportions of adenine and thymine are equal, as are the proportions of cytosine and guanine.

Answer: Chargaff's rules

2. The five carbons of one deoxyribose sugar of DNA are numbered, "one prime" through "five prime." FTP, all or nothing, which two of the five bond to nucleotide phosphate groups under the action of DNA polymerase?

Answer: 3 prime and 5 prime

3. Since DNA polymerase elongates strands only in the "five prime three prime" direction, the so-called lagging strand must elongate through the addition of these fragments, named for their Japanese discoverer.

Answer: Okazaki fragments

11. Identify the Shakespeare plays from characters on a 10-5 basis.

1. 10 points: Sir Oliver Mar-Text and Silvius

5 points: Rosalind

Answer: As You Like It

2. 10 points: Stephano and Gonzalo

5 points: Ariel

Answer: The Tempest

3. 10 points: Autolycus and Camillo

5 points: Perdita

Answer: The Winter's Tale

12. Identify the following figures who came to prominence in 1964, FTP each.

1. When Nyasaland became Malawi, this man became its first prime minister.

Answer: Hastings Kamuzu Banda

2. He became the first prime minister of the newly created state of Zambia.

Answer: Kenneth Kaunda

3. When Winston Field resigned as prime minister of Southern Rhodesia, this finance minister succeeded him.

Answer: Ian Smith

13. Name the Canaanite deities FTP each.

1. The name of this Father of the Gods means simply "god."

Answer: El

2. Wife of El, she is the mother-goddess.

Answer: Ashevah

3. Daughter of El, she personified war.

Answer: Anat

14. Name these science popularizers from the title of one of their works for ten points, or after another for five.

1. 10 points: *Genius: The Life and Science of Richard Feynman*

5 points: *Chaos: Making a New Science*

Answer: James Gleick

2. 10 points: *Metamagical Themas: Questing for the Essence of Mind and Pattern*

5 points: *Godel, Escher, Bach: The Eternal Golden Braid*

Answer: Douglas Hofstadter

3. 10 points: *A Mathematician Reads the Newspaper*

5 points: *Beyond Numeracy: Ruminations of a Numbers Man*

Answer: John Allen Paulos

15. Identify the following incidents from nineteenth century British history, for the stated number of points.

1. 5 points: On August 16, 1819 a crowd gathered at St. Peter's Fields in Manchester was charged by soldiers, resulting in this so-called "massacre."

Answer: Peterloo

2. 10 points: In 1882, Lord Cavendish, the new chief secretary of Ireland, was murdered in broad daylight along with the permanent undersecretary at this Dublin park.

Answer: Phoenix Park

3. 15 points: Palmerston ordered a squadron to Piraeus and laid an embargo on Greek shipping after this Moorish Jew, who was also a British citizen, had his house in Athens burned by an anti-Semitic mob in 1849.

Answer: Don Pacifico

16. Identify the musical terms, FTP each.

1. To change the pitch of a composition without changing anything else.

Answer: transposition

2. From the Italian for "touched," it was originally a keyboard piece demanding great speed and delicacy.

Answer: toccata

3. This is a system of writing down music to be played other than with notes. Instead, it uses figures, letters, or other signs.

Answer: tablature

17. Identify the following concerning a certain island FTP each.

1. It is separated from Flinders Island to the northeast by the Banks Strait, while King Island and Hunter Island lie to the northwest. Cities include Smithson and Launceston.

Answer: Tasmania

2. Name the capital of Tasmania.

Answer: Hobart

3. What strait separates Tasmania from the rest of Australia?

Answer: Bass Strait

18. Identify the following works by James Fenimore Cooper FTP each.

1. In 1823, Cooper published two important novels. One was the first novel to feature Natty Bumppo, and the other was the first American sea novel. FTP each, name those two books.

Answer: The Pioneers and The Pilot

2. In the 1840s, Cooper wrote this trilogy, made up of *Satanstoe*, *The Chainbearer*, and *The Redskins*, set during the antirent wars.

Answer: The Littlepage Manuscripts

19. Identify the writer, 30-20-10.

1. Toward the end of his life, he began writing about overpopulation and environmentalism in such books as *Civilized Man's Eight Deadly Sins*.

2. Trained at the University of Vienna, he was the director of the Max Planck Institute of Behavioral Physiology. His popular works include *Man Meets Dog* and *King Solomon's Ring*.

3. This ethologist is best known for his work on imprinting and the book *On Aggression*.

Answer: Konrad Lorenz

20. Identify the following concerning a Socialist uprising, FTP each.

1. This was the nickname of the extreme left wing of the German Socialist Party, which led a number of revolts against the government in 1918 and threatened to overturn the armistice before its leaders were murdered in the street of Berlin.

Answer: the Spartacan or Spartacide movement

2. The Spartacan movement got its name because "Spartacus" was the pen name of this man, the leader of the party who was murdered in Berlin.

Answer: Karl Liebknecht

3. Liebknecht's assistant, she was murdered alongside him, and is much more famous than him today.

Answer: Rosa Luxemburg