

Mad City Masters Tournament 2003

Packet by Indiana University (Wesley Mathews, Kevin Pearce and Mike Tsybulevski)

1: The explanation given to Zachary Chandler for the final decision on this bill was that it was handed to the president only a few minutes before Congress adjourned, a reply that caused the publication of a namesake manifesto in the *New York Times*. A clause by Thaddeus Stevens justified its harshness by stating that certain individuals had waged an unjust war. It disenfranchised ministerial officers, and provided for an oath to be sworn by half the states' voting citizens that they had not aided the rebellion. FTP, name this failed reconstruction bill dealing with the re-admission of rebellious states before the end of the Civil War.

Answer: Wade-Davis Bill

2: Among the structures found in these compounds are the chedis, which contain statues or the ashes of the dead, and wilahs, or places of prayer. The central portion contains the wongsoo, a ceremonial chamber for the ordainment of monks that houses the main idol. Their outer walls contain bas-relief statues intended to protect these plots of land from the outer profane world, and they are surrounded by towers called prangs, whose roofs are rounded in Myanmar, but cone-shaped in Thailand. FTP, name these vast Buddhist temple-complexes found at Petchaburi and Ayutthya, whose most famous example is found at Angkor.

Answer: Wats

3: This author's 1984 analysis *Uncertain Allegiance* about the cooperation of the Czechoslovak army with the Soviet Union continues to cause concerns in Moscow that this former professor harbors anti-Russian sentiments. *Germany United and Europe Transformed: A Study in Statecraft*, a collaboration with Philip Zelikow, is a result of her experience as director of Soviet and East European Affairs with the National Security Council. FTP, name this current Assistant to the President for National Security Affairs.

Answer: Condoleezza Rice

4: If the reaction medium is polar, this type of compound serves as an intermediate in the Favorskii Rearrangement of alpha halo-ketones to carboxylic esters, where it may be balanced by a cyclopropanone hemiketal. In their namesake chromatography, examples like acetonitrile may be used to concentrate lysine and histidine because the more complex amino acids' side groups are either hydrophobic or chargeless. For all amino acids, they form from the transfer of a proton from the carboxyl group to the amine. FTP, what are these neutral compounds possessing both positive and negative charge?

Answer: Zwitterions

5: In 1989, he became the 16th player since the inception of the amateur draft to skip the minor leagues entirely and go straight to the majors, despite having to recover from a brain aneurysm during his senior year at Washington State. He went on to win a World Series title with Toronto before being traded to the Mets, and joined his hometown team in 2000. FTP, name this Seattle first baseman, who is perhaps best known for wearing a batting helmet in the field.

Answer: John Olerud

6: Traditionally it was first written down by Thomas of Celano, though some of the accompanying words first appear in First Zephaniah 15-16. The basis for the second and third movements of Marcel Rubin's 4th Symphony, Rachmaninoff's 18th Variation on a Theme of Paganini quotes it, and Liszt's "Totentanz" is a theme and variations of it. Famously occurring in "A Dream of a Witches' Sabbath", the conclusion of the *Symphonie Fantastique*, FTP, what is this musical theme taken from a Gregorian chant for the dead, whose name literally means "day of wrath?"

Answer: dies irae

7: According to tradition, he was slain by Corax, who was promptly cursed for having killed a servant of the muses. The author of the verses "Fireworks on the Grass," and "Be Bold," this son of Telesicles lived at Thasos until one of his satires caused the suicide of Lycambes of Paros. The first poet to employ forms like the elegiac couplet and the trochee and iamb, Horace called this first poet to portray war without honor's verses "raging." His best known fragment concerns the loss of his shield in a battle with Thrace entitled "Mercenary." FTP, name this suitor of Neobule, considered the second greatest Greek poet after Homer.

Answer: Archilochus

8: Features of the underwater topography of this body of water include the TINRO and Derugin Basins. Its extensions include the gulfs of Taujska, Penzhena and Shelekhova, and rivers that empty into it include the Uda and Amgun. The Bussol strait between Urup and Simushir Islands connects it with the Pacific Ocean to the southeast, and the La Perouse and Tatar Straits link it to the Sea of Japan. Its only major port is the city of Magadan. Surrounded by Sakhalin, the Kuril Islands, and the Kamchatka Peninsula, FTP, what is this frigid sea of eastern Siberia?

Answer: Sea of Okhotsk

9: Like his brother, his support rested in the mawali, which supplied the Persian troops necessary for his rise to power. After he gained power, he had his rival the governor of Khorasan murdered, and went on to wipe out the previous tribal rulers, though he was unable to prevent Abd ar-Rahman's escape to Cordoba and the survival of the Umayyads. At first he held court near Kufa like his predecessor Abu al-Safah, but in 762AD he began construction of a new capital. FTP, name this founder of Baghdad and second Abbasid caliph.

Answer: Abu Jafar abd-Allah al-Mansur

10: Its capital is the city of Karratgarn. The site of a duel of wits in which Thor tricked Alvis out of the marriage of his daughter Thrud, it is also home to Fjalar and Galar, the keepers of the mead of poetry. Freya traveled to this land to sleep with Alfrig, Berling, Grer and Dvalin to obtain the necklace Brisengamen, and Loki tricked its inhabitants Brokk and Sindri into creating the magic boar Gullinbursti, as well as Draupnir and Mjolnir. Located above Nithavellir and below Jotunheim, FTP, name this home of the sons of Ivaldi, the Norse abode of the dwarves.

Answer: Svartalfheim

11: This passageway may be blocked by hyperplasia of Brunner's glands. It is suspended by the ligament of Treitz, which also connects it to the celiac artery. At its start, the crypts of Lieberkuhn begin secretion of dipeptidase, and the sphincter of Oddi controls introduction via the Duct of Wirsung of trypsinogen, which reacts with enterokinase released when chyme interacts with this organ's walls. Located above the ileum, FTP, name this shortest part of the small intestine separated by the pyloric sphincter from the stomach.

Answer: duodenum

12: Though this artist's career at history painting failed, his *The Pool of Bethesda* still hangs in St. Bartholomew's Hospital. His exaltation of the splendor of serpentine lines is found in his text *The Analysis of Beauty*. His first experience in illustration was his apprenticeship to Ellis Gamble, where he completed the bookplates for Butler's *Hudibras*. FTP, name this British painter and silversmith famous for his ethical prints *Four Stages of Cruelty*, *Gin Lane*, and a series centering on Tom Rakewell, *A Rake's Progress*.

Answer: William Hogarth

13: The jazz-tune "Paper Doll" is used in this play to symbolize the cultural clash between the protagonist and his wife's cousins. Later, the lighting of a cigar highlights the protagonist's feelings for his daughter, which lead him to attempt to stop her flirtation with the longshoremen Mike and Louis. Rodolpho's sewing and dancing convinces the central character he only wants to marry Catherine to stay in America, eventually leading to the attempted murder of Marco by Eddie Carbone. Narrated by Alfieri, FTP, name this drama whose title refers to the link between American and Italian cultures, by Arthur Miller.

Answer: A View from the Bridge

14: The music videos that he has appeared in include Hitman Sammy Sam's "Step Daddy," Field Mob's "Sick of Being Lonely," and Jay-Z's "I Just Wanna Love U." While he got his first big break when he landed a regular spot on *The Richard Pryor Show* in 1977, his big-screen breakthrough came ten years later with the role of hot dog stand manager Mr. Jones in *Hollywood Shuffle*. FTP, name this actor and comedian, best known for playing another Mr. Jones, the ill-tempered dog catcher in *Friday* movies.

Answer: John Witherspoon

15: The failure of the Council of Basel to negotiate a settlement in this series of conflicts led to the battle of Lipany between the two main factions, though the acceptance of the Compactata later absorbed its moderate participants into the Catholic Church. The first of them saw the battle of Kutna Hora and the expulsion of Sigismund by John Zizka, who was replaced in the second one by Procopius the Great, leading to further division between the Ultraquists and Taborites. FTP, name this series of wars lasting from 1419 to 1478 named for a religious reformer who was burned at the stake in Prague.

Answer: Hussite Wars

16: A charge by Joaquin de Flore that this philosopher had changed the trinity into a quaternity was declared baseless at the Lateran Council of 1215. Also the author of a "Commentary on the Psalms and St. Paul," sources for his best work include St. Victor's *De Sacramentis* and the *Decretum* of Gratian, though his pupil John of Cornwall states that he also copied from his master Abelard. His most famous work's doctrine that the sacraments are both means and symbol to grace was adopted by the Church at the Council of Trent. FTP, name this professor at the school of Notre Dame and author of *The Sentences*.

Answer: Peter Lombard

17: The Kutta-Zhukovsky Equation is a modification of this theorem in which the addition of an obstacle allows the equations for the circulation and lift force to be derived. The expression for this law is obtained by integrating Euler's equation of inviscid motion and adding a correction for the gravitational field, which drops out if the fluid has zero vorticity. FTP, what is this law of fluid dynamics that states that the sum of the pressure energy, kinetic energy and potential energy of a liquid under varying conditions is constant?

Answer: Bernoulli's Law or Theorem

18: Psychiatrists are unsure whether the iron-zinc deficiency observed in this mental disorder is its cause or an effect. Taking its name from the Latin word for "magpie," it may accompany autism or mental retardation, and is believed to be a subcategory of obsessive-compulsive disorder. Depending on its manifestation, medical repercussions can range from mechanical bowel problems to lead poisoning. A form of it called geophagy is commonplace among pregnant women in Nigeria. FTP, name this disorder of compulsive eating non-food substances, such as chalk, dirt, and clay.

Answer: pica

19: This activist writer's characters include the labor unionist Octavio Sansur and the lawyer Carvajal. His middle career saw a surge in political works with novel *Captive Audience* and the drama *The Hearing of the Borders*, but it was his studies in archaeology in Paris that inspired him to write, and he got his start with a 1925 translation of the *Popol Vuh*. FTP, name this author of *The Bejeweled Boy* and *El Presidente* who wove Mayan mythology into his most famous novel *Men of Maize*, who won the Nobel Prize for Literature in 1967

Answer: Miguel Angel Asturias

20: In his early career, this man showed his ruthlessness by circulating false rumors about his father-in-law Plautianus, bringing about his downfall. Victims of his regime included the jurist Papinian. His extension of citizenship to all free inhabitants of the empire in the Constitutio Antoniniana was motivated by need for taxes to finance his wars against the Parthians. Rising to power after murdering his brother Geta, FTP, name this Roman Emperor, the successor to Septimius Severus, whose name stems from his Gallic tunic.

Answer: Caracalla or Marcus Aurelius Antoninus

21: His negotiation with Matiyahu Peled in the two-state "principles of peace" resolution in 1977 is one reason constituents of this representative of Qalqiliya label him a moderate. His recruitment work while in exile in Qatar helped to found the PLO before he gained a law degree from the Damascus University. Moving on to Moscow's Oriental College, he wrote his doctorate thesis on the supposed contacts between the Zionist movement and the Nazis. The chief Palestinian orchestrator of the Madrid and Oslo Accords, FTP, name this co-founder of Fatah, who was recently appointed the Palestine Authority's prime minister.

Answer: Mahmoud Abbas (accept Abu Mazen)

22: The presence of this mineral in coastal sedimentary rocks is an indicator of upwelling. In thin section it is distinguished by its first order gray color, moderate birefringence and hexagonal habit, and in igneous rocks it is found as inclusions in biotite surrounded by pleochroic haloes. The Strunz Classification of this mineral groups it with its isostructural minerals pyromorphite and vanadinite, though a more common method classifies it based on the concentration of the hydroxide ion, chlorine or fluorine. FTP, name this most common phosphate mineral whose name is a corruption from the Greek for "deception."

Answer: apatite

23: Team owner Fred Zollner appointed him head coach in November 1964 reportedly to lure him away from a promising career as a pitcher in the Chicago White Sox organization. He did abandon baseball a year later, but was unsuccessful as a basketball coach, as he compiled a 79-143 record over three years at the helm of the Detroit Pistons. FTP, name this youngest head coach in the NBA history, better known for leading the Knicks to two championships as a player, who passed away on May 14, 2003.

Answer: Dave DeBusschere

24: The subject of two audio pieces by Tacita Dean, its creation was inspired by the mythical Buenaventura River that supposedly flows beneath it, and it is usually interpreted as homage to entropy. Covered with white mushroom caps, its color intensifies towards its center due to red algae and bacteria that accumulate at Rozel Point after severe droughts. FTP, what is this black basalt earthwork sculpture, a now submerged counterclockwise coil jutting into the Great Salt Lake created by Robert Smithson?

Answer: spiral jetty

25: This author's characters Kern and Steiner wander through Czechoslovakia in his novel *Flotsam*, while the romance of Isabella with marble-salesman Ludwig is the subject of *The Black Obelisk*. The adventures of the refugee Schwartz is the subject of his *The Night in Lisbon*, and the decline of Germany as experienced by the veteran, Ernst, is described in *The Way Back*, the sequel to his first and best known novel focusing on the company of Paul Baumer. FTP, name this author of *All Quiet on the Western Front*.

Answer: Erich Maria Remarque

26: Chairman Drek, the ruler of Belchworld, has hatched an evil plan to build his own planet out of the best bits of all the other planets in space. The personalities of the two title characters who set out to foil Drek's plan often clash, as one is free-spirited and reckless, while the other is virtuous and logical. FTP, this describes the story in what videogame, which features the duo made up of a furry alien mechanic and a diminutive robot.

Answer: Ratchet & Clank

27: The Darie Hills and Karkaar Mountains enclose the Eyl River Valley in the north of this country. Also located in its north are the Ras Xaafun Peninsula, the breakaway Woqooyi Galbeed province and its capital Harghessa, and its highest mountain, Shimber Berris. The south contains its only permanent rivers, the Jubba and Shabeelle. Some of its chief ports are Chisimaayo, Berbera and Bender Beyla. FTP, name this country bordering Kenya, Djibouti and Ethiopia with capital at Mogadishu.

Answer: Somalia

28: Accused of supporting the beliefs of John Wheelwright, this leader's informal discussions had angered ministers like John Cotton. An espouser of the grace covenant, followers like John Underhill, a founder of New Hampshire, and William Coddington, with whom she founded a settlement on Aquidneck Island, were among those attracted to her doctrine of antinomianism. FTP, name this teacher expelled from the Massachusetts Bay Colony in 1637, who went on to found the first colonial settlement on Rhode Island.

Answer: Anne Hutchinson

29: It is especially useful when the region of interest is on the left when traveling around the boundary, as the region's area can then be calculated using the formula A equals one half the integral from the boundary of the difference in xdy and ydx . In its simplest form, it is written as the line integral of the sum of the two functions is equal to the integral of the surface integral of the difference in partial derivatives of the two functions. FTP, name this vector identity equivalent to the curl theorem in the plane over a given region with a defined boundary.

Answer: Green's Theorem or Identity

30: Among the main character of this novel's co-workers are Robert Creedle and John Upjohn. Grammer Oliver warns a character returning from school at Clifton that one of the characters who wishes to court her may be involved in body-snatching. The main character is forced out of his home by Mrs. Charmond, whereupon he loses favor with his employer's daughter. Marty South is left to tend his grave after his death allows the doctor Edred Fitzpiers to renew his relationship with Grace Melbury. FTP, name this 1887 novel centering on the cider-pressman Giles Winterbourne, by Thomas Hardy.

Answer: The Woodlanders

Boni by Indiana University (Wesley, Kevin, and Mike)

1: Robert Browning poems from lines, FTPE:

A: "She had / a heart – how shall I say – too soon made glad, / Too easily impressed; she liked whate'er / she looked on, and her looks went everywhere."

Answer: "My Last Duchess"

B: "Gr-r-r – there go, my heart's abhorrence! Water your damned flower-pots, do! / If Hate killed men, Brother Lawrence, / God's blood, would not mine kill you!"

Answer: "Soliloquy in a Spanish Cloister"

C: "Heap cassia, sandal-buds and stripes / Of labdanum and aloe-balls, / Smear'd with dull nard an Indian wipes / From out her hair: such balsam falls / Down sea-side mountain pedestals..."

Answer: "Paracelsus"

2: Identify the terms associated with computer hacking from brief definitions FTPE.

A. This term refers to a piece of malicious code contained inside harmless programming or data, in such a way that it can take control and allow the computer to be controlled remotely.

Answer: Trojan horse

B: In this type of an attack, an overwhelming number of packets is sent to the target server, causing it to crash.

Answer: denial of service

C: In this technique used to gain unauthorized access, the intruder sends packets to the target computer, making it appear like they are coming from a trusted host.

Answer: IP spoofing

3: Answer the following about Revolutionary War activities in South Carolina.

A: This May 29, 1780 skirmish became infamous when the Third Virginia Continentals under Abraham Buford laid down their arms in attempt to surrender and were massacred while retreating to the South Carolina upcountry after the fall of Charleston.

Answer: Battle of the Waxhaws

B: Known to Carolina farmers as the "Butcher of the Waxhaws" for massacring surrendering troops, hatred of this colonel and commander of the first Dragoons led to his final defeat by Daniel Morgan at Cowpens.

Answer: Banastre Tarleton

C: Tarleton is best known for fighting a guerrilla war with this lieutenant along the Santee River, who is better remembered for capturing Georgetown and helping to beat Cornwallis at Eutaw Springs.

Answer: Francis Marion (prompt if someone says "the Swamp-Fox")

4: Name the Chinese cities FTPE:

A: Surrounded by, but independent of Jiangsu Province, buildings in this city on the Huangpu River include the Oriental Pearl Tower and 88-story Jin Mao building, both located in its showcase Pudong section.

Answer: Shanghai

B: Home to many T'ang dynasty pagodas and nearly 800 tombs of the Han dynasty, this city of the Wei River Valley is best remembered for the discovery of 6,000 Qin warriors in battle position in 1974.

Answer: Xi'an

C: Sometimes called "little Beijing," this southern cultural center's main attraction is the cottage where Tu Fu wrote most of his poetry. It serves to process iron ore from nearby Lugu. It is the capital of Sichuan Province.

Answer: Chengdu

5: Answer the following questions about the career of *Saved by the Bell* alum Mario Lopez FTPE.

A: Lopez co-hosts this male-dominated syndicated talk show along with Dick Clark and Danny Bonaduce.

Answer: The Other Half

B: In 2003, Lopez could be seen hosting two different talent shows – one for children, the other for animals. Name them FTPE.

Answer: America's Most Talented Kid and Pet Star

6: Answer the following about some prolific French poets FTPE.

A: After losing his career in diplomacy due to hearing loss, he turned to poetry, developing the French Petrarchan Sonnet in his *Amours de Cassandre* and wrote the epic poem, *La Franciade*.

Answer: Pierre de Ronsard

B: Pierre de Ronsard was the leader of this group of seven classical French poets whose members included Jean Antoine de Baif and Etienne Jodel whose manifesto was the *Defense and Illustration of the French Language*.

Answer: The Pleiade or Pleiades

C: La Pleiade was mainly concerned with bashing the works of this transitional figure between medieval and Renaissance poetry who published *Clementine Adolescence*, *Epistle of the Deprived*, and the first modern French satire, *The Epistle of Fripelipes*.

Answer: Clement Marot

7: Give the chief architect of these famous art museums, FTPE:

A: The Guggenheim Bilbao

Answer: Frank Owen Gehry

B: The Uffizi Palace

Answer: Giorgio Vasari

C: The Rijksmuseum

Answer: Petrus Joseph Cuyper

8: Given the NFL team, name its first-round pick in the 2003 draft and his alma mater.

A: (5/5) Cincinnati Bengals

Answers: Carson Palmer, University of Southern California (full name required to distinguish from University of South Carolina)

B: (5/5) Dallas Cowboys

Answers: Terence Newman, Kansas State

C: (5/5) Carolina Panthers

Answers: Jordan Gross, Utah

9: These nearly circular objects are created by the condensation and heating of the central portion of stars 20% more massive than the sun, which causes the star's outer layers to be driven away by stellar wind.
FTPE:

A: Name these astronomical clouds of gas and dust named only for their shape and not for their content.
Answer: planetary nebulae

B: These central planes of planetary nebulae function as gravitational impact zones that concentrate gas, and are responsible for the eventual slowing by friction of T-Tauri stars. They also exist around black holes.
Answer: accretionary disks

C: When the infall rate onto a P-star of a rhythmically collapsing accretion disk is high enough to ionize hydrogen, these propagations of thermal ionization instability result. Time intervals between them are used to estimate the nebula's viscosity. They are named for the flickering star in which they were discovered.
Answer: FU-Orionis outbursts

10: Answer the following about the Argentine presidential race

A: Name the outgoing president of Argentina.
Answer: Eduardo Duhalde

B: This former Argentine president quit the race four days before a scheduled runoff.
Answer: Carlos Menem

C: Menem's departure cleared the way for this little-known governor of Patagonia to be the country's next president.
Answer: Nestor Kirchner

11: Answer the following questions about a dynasty FTPE.

A: It was descended from the father of Childeric I, a leader of the Salian Franks who was believed to have aided the Romans at the battle of Chalons against Attila the Hun.
Answer: Merovingian Dynasty

B: The victor at Soissons, this traditional founder of the Merovingian Dynasty ran general Syagrius out of Gaul and codified the Salic Law.
Answer: Clovis I

C: At first co-ruling with Childebert and Clodomir, he conquered Thuringia and Burgundy with Theodoric and Theodebald, but was defeated at the battle of Zaragoza. He ruled from 558-61AD.
Answer: Clotaire I

12: Name these novels set in African dictatorships, FTPE, or 5 if you need the author:

A: 10: In this novel, Raymond is hired by the newly independent country's first president, The Big Man, to write his speeches. Chaos ensues after Salim loses his business to Citizen Theotime.

5: Vidhiadar Surajprasad Naipaul
Answer: A Bend in the River

B: 10: The protagonist receives a white orb from his father and foresees the starvation of the population of his village of Kouroussa. He is led to be executed, but saved by a giant snake descending from the sky.
5: Camara Laye
Answer: A Dream of Africa or Dramouss

C: 10: The rebellion of the Abazonians is eventually successful, but in the end, Iken Osodi is shot by a policeman just like his friend Christopher Oriko, who resigns his position as the President of Kangan's Information Commissioner.

5: Chinua Achebe

Answer: Anthills of the Savannah

13: Answer the following questions about a certain sociological theory FTSNOP.

(10) Robert Merton formed this theory that holds that deviance is caused by a social structure that holds out the same goals to all its members without giving them equal means to achieve them.

Answer: Strain Theory

10) Merton presented five modes that individuals use to adapt to strain. Name the most common mode, in which a person accepts both the goals and the prescribed means of achieving them.

Answer: conformity

5/5) F5PE, name any two of the four other Merton modes of adaptation.

Answer: innovation, ritualism, retreatism, rebellion

14: Answer the following from solid physics, FTPE:

A: This is a quantum of vibrational energy that may travel through a crystalline solid.

Answer: phonon

B: This is the temperature of a crystal's highest mode of vibration. It is given by the product of frequency and Planck's constant divided by Boltzmann's constant.

Answer: Debye Temperature

C: If an atom in a tightly held lattice undergoes gamma decay and the lattice is very large, the lattice absorbs the recoil energy, resulting in a narrow spread of energies in this effect.

Answer: Mossbauer Effect

15: Answer the following about a philosophic concept FTPE:

A: In *Prolegomena to Any Future Metaphysics*, it is described as an object as it would be independent of awareness whose nature may be postulated from observable phenomenon, but may not be known.

Answer: thing-in-itself or noumenon or dinge an sich

B: This author of *Prolegomena to Any Future Metaphysics* went on to discuss the importance of the thing-in-itself to hypotheses in his *A Critique of Pure Reason*.

Answer: Immanuel Kant

C: Kant also wrote that this proof that yields certainty by proving that the negation of any proposition is impossible is not possible in pure reason, since it requires that the thing-in-itself is objectively valid.

Answer: apagogical proof

16: Identify the following about the unification of Italy FTSNOP.

A: This minister of Victor Emmanuel II instituted sweeping reforms to gain the support of Britain and France, securing an alliance against Austria by entering Sardinia into the Crimean War on the side of the Allies. Name him, for 10 points.

Answer: Camilo Benso, conte di Cavour (accept Camillo Benso)

B: Now, for 5 each, name the two battles of the Austro-Sardinian War in which Sardinia gained Lombardy with the aid of Napoleon III.

Answers: Magenta and Solferino

C: For 10, The unification of Italy was declared complete in 1861 when this entity voted to join Piedmont-Sardinia after being defeated by Garibaldi.

Answer: Kingdom of the Two Sicilies

17: Given a rock band, name the home country of its members (5-5-10-10).

A: (5) The Hives

Answer: Sweden

B: (5) The Vines

Answer: Australia

C: (10) The Datsuns

Answer: New Zealand

D: (10) The Raveonettes

Answer: Denmark

18: Name these short stories by Bret Harte FTPE:

A: While eloping, Piney Woods and Tom Simson chance upon a party on its way to Sandy Bar, but Piney, Duchess and John Oakhurst perish in a snowstorm after Uncle Billy makes off with their transportation.

Answer: "The Outcasts of Poker Flat"

B: The title character's wife tries to run off with Commanche Jack after traveling west to meet her husband. She fails, but allows Jack to save face by using her stagecoach to escape down the Wingdam Pike.

Answer: "Brown of Calaveras"

C: Concerning the meeting of a gold miner and a gambler, the title character cannot save his companion from the gallows after he loses a bet to the Man on the Gray Horse, causing him to be arrested for robbery.

Answer: "Tennessee's Partner"

19: Answer the following about art concerning a common theme, FTPE:

A: X-rays reveal the figure of a nude in place of the shepherd depicted in this Giorgione painting today. A semi-nude woman to the right of the brook suckles an infant while the title event advances on a town in the background.

Answer: "The Tempest" or "La Tempesta"

B: Depicting a landscape identical to that of the artist's "Saint Joseph and the Christ Child," dark storm clouds block most of the light from reaching the title city whose Gothic cathedral nonetheless retains its illumination.

Answer: "View of Toledo" (by El Greco)

C: This friend of Grant Wood painted the disastrous Kaw River flood in his native Kansas, *Sanctuary*, and a family farm in peril in *The Tornado*. His mural *John Brown and the Tornado* can be seen in the state house in Topeka.

Answer: John Steuart Curry

20: It is preceded by DNA fragmentation and the creation of a vacuolar nucleus, and prior to its final phase the mitochondria must be broken down by cytochrome c. FTPE:

A: Name this form of programmed cell death by which cells break apart into small, membrane wrapped bodies.

Answer: apoptosis

B: Phagocytes bind to these building blocks of cell membranes following apoptosis and secrete cytokinin to prevent inflammation.

Answer: phospholipids

C: Cells programmed to undergo apoptosis commonly undergo this sudden, violent blebbing of the membrane that accompanies cytoplasmic boiling.

Answer: zeiosis

21: OK, so you're an ancient Egyptian, and you die. Answer the following about stuff that happens to dead Egyptians, FTPE:

A: First, your soul is spirited away to Amenti by this Jackal-headed deity.

Answer: Anubis or Anpu or Ienpw or Yinepu

B: Your heart is weighed against a feather of this goddess of justice whose symbol was the ostrich.

Answer: Ma'at

C: If you have not lived a virtuous life, your sins will outweigh the feather, and the head of this hybrid of a wildcat, hippopotamus, and crocodile pops up from under the scales and eats your soul.

Answer: Ammut or Ammit or Ahemait

22: Answer the following concerning history from Down Under, FTPE:

A: The first convict transport to Australia from Britain landed at this inlet near present day Port Jackson in 1788, so named for its abundance of unfamiliar vegetation.

Answer: Botany Bay

B: Sometimes called "William Bligh's second mutiny," officials in this incident of 1808 convinced Major George Johnson to arrest Bligh, who was then governor of New South Wales, because he had John MacArthur arrested for his role in the Spirits Prohibition Controversy.

Answer: Rum Rebellion

C: Inspired by the Tenterfield Address given by Andrew Inglis Clark, this Sydney attorney devoted his full attention to a Canadian constitution-based form of government, and became Australia's first Prime Minister in 1901.

Answer: Edmund Barton

23: Name these seas of Indonesia FTPE:

A: It receives the Kayan River from Borneo, and is bounded on the north by the Sulu Archipelago and the Moro Gulf. It is named for the island to its south.

Answer: Celebes or Sulawesi Sea (accept: Laut Sulawesi)

B: Located southeast of Celebes, the Moluccas are in its northeastern portion, Irian Jaya is to the east, and the island of Timor separates it from the Arafura Sea. To the west, it is continuous with the Flores Sea.

Answer: Banda Sea (accept: Laut Banda)

C: Located east of the Molucca Sea, its boundaries are its namesake island on the south, the Halmahera Sea on the north, and the Jazirah Doberai Peninsula on the east.

Answer: Seram Sea (accept: Laut Seram)

24: Name the following related Russian writers, FTPE

A: This master of the *skaz* short story's career was effectively destroyed by the Central Committee of the Communist Party that singled out his best work *Before Dawn* for condemnation.

Answer: Mikhail Mikhailovich Zoshchenko

B: Mikhail Zoshchenko was a follower of this satirist who skewered the Cheka in *The Fires of St. Dominic*, and who was expelled from the Soviet Federation of Writers after publishing the dystopian novel *We*.

Answer: Yevgeny Zamyatin

C: This poet was singled out for condemnation in the same attacks that destroyed the career of Zoshchenko, yet unlike Zoshchenko was able to make a brief comeback after the thaw. She is best remembered for her poetic volumes *Evening* and *The White Flock* and her long poems "Requiem" and "Poem Without a Hero."

Answer: Anna Akhmatova

25: Name the composers given difficult piano pieces FTPE, or 5 if you require an easier clue.

A: 10: "Six Dances in Bulgarian Rhythm," the most challenging part of his piano cycle *Mikrokosmos*.

5: He also wrote the operas *Duke Bluebeard's Castle* and *The Miraculous Mandarin*.

Answer: Bela Bartok

B: 10: *Islamey Fantasia*

5: The leader of the Mighty Five, among his best known works for orchestra are his tone poem *Tamara* and his *Russia Symphony*.

Answer: Mily Alexeyevich Balakirev

C: 10: *Gaspard de Nuit*, written especially to rival the difficulty of Balakirev's *Islamey Fantasia*.

5: You might know him better for composing "Alborada del Gracioso" and "Bolero."

Answer: Maurice Ravel

26: Given the arena, name the NHL team that plays its home games there (5-5-10-10). Note to moderator: Accept either city or mascot names.

A: (5) The Arrowhead Pond

Answer: Anaheim Mighty Ducks

B: (5) Corel Centre

Answer: Ottawa Senators

C: (10) Pengrowth Saddledome

Answer: Calgary Flames

D: (10) Nationwide Arena

Answer: Columbus Blue Jackets

27: Name the following laws relating vapors and liquids, FTPE:

A: This law named for a German chemist states that the decrease in vapor pressure of a liquid when a solute is added is proportional to the amount of solute dissolved.

Answer: Babo's Law

B: The approximate enthalpy of vaporization for a liquid can be given by the product of 21, the gas constant, and its absolute temperature, while the entropy is stated as 90 minus 110 joules per Kelvin.

Answer: Trouton's Rule

C: The partial vapor pressure of a solvent in an ideal solution obeys this law if it is equal to the product of the vapor pressure of pure solvent and its mole fraction.

Answer: Raoult's Law

28: Name the U.S. city given the current mayor, 5-5-10-10:

A: 5: Michael Bloomberg

Answer: New York

B: 5: Anthony Williams

Answer: Washington, D.C.

C: 10: Greg Nickles

Answer: Seattle, Washington

D: 10: Kirk Humphreys

Answer: Oklahoma City

29: Name these people associated with Absalom, FTPE:

A: Absalom avenged his sister Tamar during the pastoral festival at Baal-Hazor by killing this eldest son of King David who had raped her.

Answer: Amnon

B: This advisor to King David joined Absalom during his revolt against the king, but hanged himself after Absalom discarded his advice in favor of Hushai. His name is Hebrew for "brother of stupidity."

Answer: Achitophel or Ahithopel

C: This leader of the charge on Mount Zion killed Absalom against David's orders as he hung by his hair from a branch. He is also known for murdering Abner and helping to kill Uriah the Hittite.

Answer: Joab

30: Answer the following questions about the Teapot Dome Scandal FTPE:

A: Oilfields at Teapot Dome in Wyoming and this other site in California leased to Edward Doheny were at the center of the scandal.

Answer: Elk Hills Oilfield

B: This Secretary of the Interior was fined \$100,000 and thrown in jail for leasing the Teapot Dome and Elk Hills Oilfields without competitive bidding and then accepting "loans" from leasees Sinclair and Doheny upon retirement.

Answer: Albert Fall

C: Transactions between Fall and Sinclair and Doheny were investigated by a committee led by this Montana senator.

Answer: Thomas James Walsh