

Mad City Masters Tournament 2002

## Round 5

University of Wisconsin - Madison

Packet by Indiana University (Martin Gold, Wesley Mathews, and Kevin Pearce)

1. This rhetorician's chief influence, Thargelia, used courtly influence to win Thessaly over to Xerxes during the Persian Wars. Blamed by Plutarch for beginning a war against Samos, Aristophanes satirized this orator in *The Acharnians*, which accused her of running a school for prostitutes. The *Menexenus* of Plato states that she lived with a cowherd named Lysicles after the death of her most famous companion. FTP, name this speaker who may have read the Funeral Oration of her husband Pericles.

Answer: Aspasia

2. Originally from Argentina, this New York entrepreneur enjoys a bustling business at his Midtown Manhattan restaurant. A bit choosy about his customers, his downfall results from his donation of an old armoire to a friend of a patron. Two and a half years later, when he reappears as a character witness in a Blatham, Massachusetts trial, we learn that this culinary master's real name is Yef Kasam, but FTP, give the affectionate nickname by which he is remembered by fans of *Seinfeld*.

Answer: the Soup Nazi

3. Its drainage basin, the second largest on its continent, is defined by the Mato Grosso and the Planalto Central in the west and north, the Grande and Tiete rivers meet at the Ilha Solteira Reservoir to begin its southward course. Tapped for hydroelectricity at Itaipu Dam near Iguacu Falls, in its lower course it receives the Salado and Uruguay rivers. FTP, name this river which empties into the Rio de la Plata, named for a South American tribe, not a vicious fish.

Answer: the Parana River

4. Kobayashi-Maskawa matrices predict that this phenomenon occurs because the existence of six quarks can be proved. The decay of the hypothetical X-boson implies that this phenomenon occurred during the Big Bang because unequal numbers of photons and baryons are measured. Marked by the failure to mirror a particle onto its antiparticle, FTP, name this type of asymmetry first observed in K-mesons that won its two discoverers, James Cronin and Val Fitch, a Nobel Prize in 1980.

Answer: CP violation (C and P stand for charge conjugation and parity, respectively).

5. In this work, the author makes no effort to introduce the abandonment on the river Malini, and the birth of the title character to Visvamitra is left to the reader's knowledge. A resident of the ashram of guru Kanva is given an engagement ring by Dushyanta, who falls under the curse of Durvasa and is unable to recognize his bride after the ring is lost.

Eventually it is discovered in the belly of a fish, and the two marry and raise their son Bharata. FTP, name this 5<sup>th</sup> century Sanskrit drama, the master work of Kalidasa.

Answer: *The Recognition of Shakuntala* or *Abhijnanashakuntalam* (note to editor: the first sentence of this tossup distinguishes the drama from the *Mahabharata*, and so attempts to prevent an early, incorrect buzz)

6. He began his career at Wasatch High School in Heber City, Utah. In his freshman year, he red-shirted and compiled a 10 and 1 record in open tournaments. His first official career victory came against Ed Brown of Neosha Community College, and his 100th was against Ralph Everett of Hofstra. In his final season, his weight class changed from 184 to 197 pounds. FTP, name this wrestler for Iowa State, who just finished his collegiate career with his fourth NCAA championship and a 159 and 0 record.

Answer: Cael Sanderson

7. Part of a series commissioned for the Camerino d'Alabastro, the artist's name is signed on an urn in the lower left hand corner in front of one of the titular characters. The group arriving from the right is led by a man in a chariot pulled by cheetahs. The ship (barely visible in the left corner) is that of Theseus. FTP, identify this painting showing the meeting of a girl and a god on the island of Naxos, a work by Titian.

Answer: Bacchus and Ariadne

8. It contains a *klaf* which only fulfills its purpose when it is hand-written, not mechanically reproduced. The *klaf*, or parchment, contains two short passages from Deuteronomy. When passing it, its owner touches it then kisses the hand that touched it. Usually in a case made of metal or wood, it is intended as a constant reminder of God's commandments. Neither a good luck charm, nor a reference to the lamb's blood smeared on doorposts in ancient Egypt, FTP, name this item commonly affixed to the right doorpost of traditional Jewish homes.

Answer: Mezuzah

9. This text was unnamed until the 16<sup>th</sup> century, when it was named by Denys Godefroi. Scholars like Irnerius first studied this document whose goals are introduced in the Institutes; this is followed by sections by such authors as Gaius and Paulus called the Pandects. Its final sections, the Codex and Novels include laws passed beginning with the reign of Hadrian. Compiled by Tribonian, FTP, name this code of Roman Law, a model for legal policy across Europe, ordered completed by Justinian,.

Answer: Corpus Juris Civilis or Body of Civil Law

10. These bodies synthesize the enzyme alanine glyoxylate transferase, which regulates the production of kidney-stones. Also involved in the manufacture of bile acids and cholesterol, defects in the proteins PTS-1 and PTS-2 during the formation of these structures hinder beta oxidation and result in a buildup of phytanic acid. Involved in the production of plasmalogens, a key component of myelin, FTP, name these free floating organelles, the dysfunction of which may cause adrenoleukodystrophy, or ALD.

Answer: peroxisomes

11. Early in her career, she wrote "I shall try to tell the truth, but the result will be fiction." Among her final works was a true account of the Sacco and Vanzetti Trial, *The Never-Ending Wrong*. A killed pregnant rabbit allows Miranda to accept death in "The Grave," an acceptance also important to a World War I romance in her short story "Pale Horse, Pale Rider." FTP, name this Texas-born author, some of whose stories appear in the collection *Flowering Judas*, most famous for her only novel *Ship of Fools*.

Answer: Katherine Anne Porter

12. At first an art student of Ary Scheffer, a tour of the Middle East influenced his "Allegory of Africa," and convinced him to turn away from painting. He drew his influence for his "Vercingetorix" and "The Lion of Belfort" from his own patriotism, and the colossal "Switzerland Succoring Strasbourg" and "Lafayette," like his most famous sculpture, were gifts to French allies. FTP, name this sculptor, whose mother's face served as the likeness of his best known statue, "Liberty Enlightening the World," better known as the Statue of Liberty.

Answer: Frederic Auguste Bartholdi

13. The decision in this case listed *Block v. Hirsh* and *Chastleton Corporation v. Sinclair* as precedents, stating that Civilian Exclusion Order #34 was valid at its making and its violation. Justice Frank Murphy dissented, calling the decision a "legalization of racism." The plaintiff had also violated Executive Order #9066, and Chief Justice Hugo Black determined that the threat of espionage was great enough to merit loss of the plaintiff's rights. FTP, name this 1944 case that defended removal of Japanese Americans.

Answer: Korematsu versus United States

14. Sites "made or filled" in this poem include the "track by Childsworth Farm," and the "signal elm that looks on Ilsley Downs," which is haunted by a "Scholar-Gypsy." Calling himself Corydon, its author mourns "the bloom is gone," though the title character "of his own will went" and "the light we sought is shining still." The deceased, author of the lyric "Say not the struggle naught availeth," is given a name from Theocritus' *Idyls*. FTP, name this elegy for Arthur Hugh Clough, written by Matthew Arnold.

Answer: "Thyrsis"

15. Its innovations included an Eccles-Jordan flip-flop used as a control device, and the logical “and” gate and “or” buffer. An improvement on the Moore School of Electrical Engineering’s Bush differential analyzer, parts of Philadelphia reported brown-outs during its first tasks, the calculation of firing tables and trajectories for the Army Ordnance Department. Measuring 8 feet high, 3 feet wide and almost 100 feet long, this is, FTP, what U-shaped machine, the world’s first electronic digital computer?

Answer: Electronic Numeral Integrator and Computer or ENIAC

16. It first occurs in the second full measure of the work that gives it its title, harmonizing the fourth note of the “desire” motif. Enharmonic to a half diminished seventh chord, it is spelled F, B, D-sharp, G-sharp. However, it does not resolve like a half-diminished seventh, one example of why the opera from which it takes its name has been labeled as the first break from tonality. FTP, name this sonority, which gets its name from Wagner’s opera based on a thirteenth century romance set in Cornwall.

Answer: Tristan Chord

17. The rise of the first of these entities began with the marriage of Bayajidda to the queen of Daura in the 6<sup>th</sup> century AD. Loosely allied with the Songhai and Bornu kingdoms, their citizens practiced both Islam and Animism, provoking an 1804 Fulani jihad against them led by Usman dan Fodio. Consisting of Biram, Rano, Katsina, Zaria, Gobir, and Kano, FTP, identify this collection of sahelian city-states, whose name also identifies the major native language of southern Niger and northern Nigeria.

Answer: the Hausa States (accept: Hausaland)

18. To approximate this temperature, multiply by the enthalpy and temperature of fusion of component A and divide by the quantity  $\Delta H_{\text{sub-B}} - RT$  times the natural log of B’s mole fraction. Unique in systems that do not melt congruently, it is a reaction point between rest liquid and at least two solid phases at which a solid solution is formed. From the Greek for well-mixed, FTP, name this temperature identified on phase diagrams as the intersection between freezing point curves.

Answer: eutectic temperature

19. Charges of atheism stemming from his Kantian *Critique of All Revelation* forced him to leave his university at Jena for Berlin, where he summarized his views in *The Vocation of Man*. His political views, some of which are stated in his *Addresses to the German People*, influenced socialist Ferdinand Lassalle. Most of his philosophical works identify the indivisible ego as the source for the structure of experience. FTP, name this philosopher best known for his 1794 tract, *Theory of Knowledge*.

Answer: Johann Gottlieb Fichte

20. Westervelt, a performing illusionist in this novel, has succeeded in capturing the attention of the woman sought in vain by two other characters. Hollingsworth is an arrogant preacher who plots to change the title setting into a "morality workshop on a hill." Zenobia, said to be based on Margaret Fuller, is a regalistic woman who drowns herself when Hollingsworth declares his love for Priscilla. Narrated by Miles Cloverdale, FTP, name this novel inspired by Brook Farm, by Nathaniel Hawthorne.

Answer: The Blithedale Romance

21. Its highest point, 13,432 foot Mount Kinabalu, is the source of the Labuk River, whose mouth forms one of the many bays that indent this island. More important rivers include the Kapuas which supports its chief western port Pontianak on the Karimata Strait, and the Mahakam, which empties into the Strait of Makassar. In its south is the province of Kalimantan; in its north are the Sabah and Sarawak regions. FTP, name this large island claimed by Indonesia, Malaysia and the Sultanate of Brunei.

Answer: Borneo

22. While working at the Prussian Academy of Science during World War I, this scientist was marooned on Tenerife. Using the poles, boxes and apes available to him, he discovered a flaw in the puzzle box experiments of Thorndike, stating that only parts of Thorndike's release apparatus was visible to the animals tested. An earlier collaboration had resulted in the psychoanalytic theory that a person could not be analyzed by parts. FTP, name this psychologist who, along with Koffka and Wertheimer, founded Gestalt theory.

Answer: Wolfgang Kohler

23. Actors who played minor roles during this show's six seasons include Ryan Francis, Robert Klein, and Nora Dunn. In its final season, Sheila Kelley replaced actor Jo Anderson, whose character had appeared during the previous season partially to replace a character given a career portraying a Barney-like Japanese cow character. Notables with brief roles included Ashley Judd and George Clooney. FTP, name this drama, in which Patricia Kalember, Sela Ward, and Swoosie Kurtz played members of the Reed family.

Answer: "Sisters"

24. Its main engagements included the capture of San Francisco de Pupo and Picolata, two fortresses on the San Juan River, as well as an assault on Ft. Frederica on St. Simon's Island, the Battle of Bloody Marsh. Erupting from an incident off the coast of Honduras, a certain captain of the *Rebecca* demanded a declaration of war for an injury suffered at the hands of Spanish coast guards. FTP, name this engagement of 1739-41 that saw the defense of Georgia from Spanish troops by James Oglethorpe.

Answer: the War of Jenkins' Ear



25. Languages spoken in this constituent republic include Lezgi, Tabassaran, and Dargwah. Containing the Nogai Steppe and a pass called the Iron Gates, its second largest city of Derbent (\*) contains the remnants of a Persian structure built to contain the Alans called Alexander's Wall. Its lowest point near the Kalmykian border is located on the Caspian Plain, and its terrain rises toward the Caucasus on the border with Azerbaijan. FTP, name this autonomous republic on the Caspian Sea with capital Makhachkala.

Answer: Dagestan

===== END OF TOSSUPS. EXTRAS AFTER THIS LINE.  
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Along with pyroxenes, these nesosilicate minerals are essentials of the igneous rock griquaite. More common in metamorphic rocks, chlorite and quartz react to form their pyralspite varieties in pelitic rocks above 500 degrees Celsius. Uvarovite is a rare chromium bearing species, while skarn deposits are sources for the more common spessartine, as well as grossular and andradite. FTP, name this family of minerals whose name comes from the Latin for "grain," better known as the birthstone of January.

Answer: garnet

Inspired by a letter from Olga Huckins, it was parodied by a brochure, "The Desolate Year," released by Monsanto. A chapter of this book, "A Fable for Tomorrow," depicts a nameless American town devoid of children and animals, prompting a charge from critics that its author was "an alarmist." Inspired by a large bird kill on Cape Cod, FTP, name this 1962 publication lambasting the use of DDT, written by Rachel Carson.

Answer: Silent Spring

On June 25, 1956, his new Buick slid off the Pennsylvania Turnpike, killing him along with pianist Richie Powell and his wife Nancy. He had collaborated with Eddie Lambert and others on "The Beginning and the End" and he joined the Art Blakey Quintet to produce "Live at Birdland." More famous collaborators included jazz greats Sonny Rollins, George Morrow and Max Roach. FTP, name this jazz trumpeter known for such tunes as "Blues Walk" and "Joy Spring."

Answer: Clifford Brown

By this document, Emmanuel Philibert was restored the provinces of Piedmont and Savoy, England ceded its last possessions on Continental Europe to France, and the English Queen refrained from aggression against Scotland. The major beneficiary was Spain, which gained the Franche Comte. The major loser was France's King Henry II, who was allowed to keep Saluzzo, though forced to renounce his claims to Italian lands. FTP, name this 1559 agreement which affirmed Phillip II the rightful ruler of Italy.

Answer: Treaty of Chateau-Cambresis

He lost his job as a journalist after writing a disparaging essay on Muslims in his homeland. In following years, he began to explore themes of a pointless quest for meaning in works like *Exile and the Kingdom* and *Le Malentendu*. A draft of his autobiography *The First Man* was found in his briefcase after an automobile accident cut short his life in 1960, three years after he won the Nobel Prize for literature. FTP, name this Algerian-born Frenchman, famous for his essay "The Myth of Sisyphus."

Answer: Albert Camus

Boni by IU (Marty, Wesley, Kevin)

1. Name the following limits from astronomy FTPE.

A: At this limit, tidal forces of a planet or other large body are equal to the surface gravity of an orbiting satellite. Satellites that cross this boundary are torn apart by their planet's gravity.

Answer: Roche Limit

B: Equal to 2 times the product of the mass and gravitational constant divided by the speed of light squared, this limit defines the radius for a body of particular mass inside which light cannot escape.

Answer: Schwartzchild Limit

C: This is a limit at which the photon pressure of a star exceeds its gravitational attraction. Stars that emit radiation at pressures greater than this theoretical limit must explode. (No kidding!)

Answer: Eddington Limit

2. According to this premise, objects, conditions and processes that are unimportant to a culture are assigned fewer words than those that are more important. FTPE:

A: Name this tenet of sociology that states that culture is largely determined by language.

Answer: linguistic relativity

B: Along with linguistic determinism, linguistic relativity makes up this controversial hypothesis explaining the relationship between thought and language.

Answer: the Whorf-Sapir Hypothesis (or Sapir-Whorf)

C: The deterministic idea that the functions of the mind are determined by spoken language was largely cultivated by this psychologist in his 1968 study *Meaning and Mind: A Study of Psychology and Language*.

Answer: Robert Terwilliger

3. Answer the following from Aztec mythology FTPE.

A: Patecatl, Atlacoaya and Colhuacatzincatl were gods of this milky, viscous alcoholic beverage made from the distilled Maguey plant. It is also known as Mezcal and Tequila.

Answer: Pulque

B: This is the name given to the Aztec underworld, the ninth hell and final resting place of the dead.

Answer: Mictlan



C: The principal state deity of the Aztecs was this god of war, the sun and the south. The dawn is seen as his daily victory over the moon and darkness. His name means "Hummingbird from the North."

Answer: Huitzilopochtli

4. Name these battles of the Civil War FTPE.

A: The death of generals McCullough and McIntosh as well as the capture of a ranking colonel halted the attack of confederates under Van Dorn at this Arkansas site, also known as the battle of Elkhorn Tavern.

Answer: Battle of Pea Ridge

B: Confederate forces under Braxton Bragg in retreat from Kentucky attacked Union forces moving on Chattanooga under Rosecrans in 1862. In following days, Rosecrans repulsed a second attack, causing Bragg to retreat to Tullahoma as both sides claimed victory.

Answer: Battle of Stones River or Murfreesboro

C: It resulted when Grant's troops intercepted a raid on supply lines from Grand Gulf by confederate general Pemberton; Union troops under McPherson gained the high ground, thus cutting off aid to Vicksburg.

Answer: Battle of Champion's Hill or Baker's Creek

5. Name the poet from lines for 10, or from the poem for 5 points each.

A: 10: "...Say I'm weary, say I'm sad / Say that health and wealth have missed me; Say I'm growing old, but add...."

A: 5: "Jenny Kissed Me"

Answer: James Leigh Hunt ✓

B: 10: "I leant upon a coppice-gate / When Frost was spectre-gray, / And Winter's dregs made desolate / The weakening eye of day."

B: 5: "The Darkling Thrush"

Answer: Thomas Hardy ✓

C: 10: "I am gall; I am heartburn. God's most deep decree / Bitter would have me taste; my taste was me..."

C: 5: "I Wake and Feel the Fell of Dark, not Day," a sonnet.

Answer: Gerard Manley Hopkins

6. Name these high altitude lakes FTPE.

A: Actually two lakes connected by the Strait of Tiquina, Lake Chucuito is located entirely within Peru, while Lake Huinamarca is shared by Peru and Bolivia.

Answer: Lake Titicaca

B: The source of the Blue Nile, this northwest Ethiopian lake's many islands contain some 40 monasteries.

Answer: Lake Tana (a.k.a. Lake Tsana)

C: The twenty-fifth largest lake in the world, this lake, located high in the Tien Shan Mountains is the source of the Chu river and the chief resort center of Kyrgyzstan.

Answer: Lake Issyk-Kul

7. When hydrofluoric acid is added to an asymmetrical alkene, a mixture of products form. FTPE:

A: This rule states that the dominant product will be the one in which the hydrogen atom adds to the carbon having the higher number of hydrogen atoms.

Answer: Markovnikoff's Rule

B: Markovnikoff's Rule operates during this kind of reaction in which a cation attacks an electron rich part of the molecule such as a double or triple bond.

Answer: electrophilic addition

C: Another example of electrophilic addition would be the reaction of peracids with ethylene to make these compounds that contain oxygen atoms as part of a 3-membered ring, also known as cyclic ethers.

Answer: epoxides

8. Its first use as a regular Classical movement occurred as an introduction to quicker minuets in Haydn's 1781 Opus 33, the Russian Quartets. FTPE:

A: Name this type of light, sprightly movement that usually frames a trio section of contrasted material, from the Italian for "joke."

Answer: scherzo

B: The term "scherzo" was first used by Monteverdi to describe the light balletto variety of this kind of musical form popularized by Verdelot and Arcadelt in the 15<sup>th</sup> century.

Answer: madrigal

C: This musician composed more recent examples like *Scherzo a la Russe* and the ballet *Scherzo Fantastique*.

Answer: Igor Stravinsky

9. Name these works of Ernest Hemingway FTPE

A: Hemingway's first novel, this 1926 work set in Petoskey, Michigan is chiefly remembered as a burlesque of his rival Sherwood Anderson.

Answer: The Torrents of Spring

B: In this novel, an American professor is assigned to serve with a partisan unit under Pablo and his wife Pilar. Wounded after completing his mission to blow up an important bridge, its hero Robert Jordan is left on a hillside to die.

Answer: For Whom the Bell Tolls

C: This 1924 collection of short stories, famous for its introduction of Nick Adams, contains the short story "Big Two-Hearted River."

Answer: In Our Time

10. Identify these Smashing Pumpkins songs from lyrics and the albums on which they appeared, FTPE.

A: "I don't live – I inhale. I don't give – I unveil." It appeared on 1991's Gish.

Answer: Siva

B: "The killer in me is the killer in you." It appeared on the 1993 release, Siamese Dream.

Answer: Disarm

C: "Junebug skipping like a stone, with the headlights pointed at the dawn." It appeared on 1995's Mellon Collie and the Infinite Sadness.

Answer: 1979

11. Identify the following from economics FTPE.

A: This economist's namesake paradox states that in the 1950's Americans were exporting labor intensive rather than capital intensive goods. He is, however, much better known for his qualitative method input-output analysis.

Answer: Wassily Leontief

B: Wassily Leontief, along with Gerhard Colm and Hans Neisser, were research affiliates of this school devoted to the study of business cycles and structural theories of growth, headed by Adolph Lowe.

Answer: Kiel School or Kiel Institute of World Economics

C: After leaving the Kiel School for Harvard, Leontief explained his examples of the input-output system in the United States in this 1941 classic that served as a model for economic planning around the world.

Answer: The Structure of American Industry

12. Answer the following surrounding a man named Kang-Hsi FTPE.

A: As emperor of this dynasty, Kang-Hsi defeated the Mongols and Tibetans and permitted Jesuit missionaries to preach at his court, though he expelled them when they persecuted Confucianism.

Answer: Qing (pronounced Ch'ing (though, be lenient). Accept Manchu. Do not accept "Qin.")

B: Kang-Hsi signed this 1689 treaty with Russia, setting the boundary between Russia and Qing China at the Argun River.

Answer: Treaty of Nerchinsk

C: Emperor Kang-Hsi was the first Chinese emperor to fortify this territory, building walls around its chief city of Fengshan. Chu Yi-kui led a 1721 rebellion against the Qing from this island.

Answer: Formosa (accept Taiwan)

13. Name these mathematical surfaces FTPE.

A: This is a disk warped into a self-intersecting saddle shape. Its edges extend to infinity and may lie on a sphere.

Answer: Enneper's Surface

B: This non-orientable form has an Euler characteristic of zero. It is obtained by joining opposite ends of a cylinder with a twist, or by attaching two Mobius Strips along their boundary circles.

Answer: Klein Bottle

C: Having parametric form  $x = a \cos u$ ,  $y = b \cos v$  plus  $a \sin u$ ,  $z = c \sin v$ , this Czech-sounding structure is formed from a rotating circle parallel to the plane of a circle perpendicular to the same plane.

Answer: Bohemian Dome

14. Name these writers from the Balkans FTPE.

A: The author of *Devils Yard* and *Bosnian Story*, this 1961 Nobel Laureate is best known for *The Bridge on the Drina*.

Answer: Ivo Andric

B: Originally published by UNICEF, this is another one of those diaries written by a girl in a war-torn country. This time the diary begins in 1991 and is set in Sarajevo. We'll accept either her first or last name.

Answer: Zlata Filipovic (accept either)

C: Also recently nominated for the Nobel Prize is this author of *Broken April*, *The Great Winter*, and *The General of the Dead Army*. He is the only Albanian author to gain wide recognition.

Answer: Ismail Kadare

15. Given a county seat, name the U.S. county FTPE.

A: Detroit, Michigan

Answer: Wayne County

B: Jacksonville, Florida

Answer: Duval County

C: Albuquerque, New Mexico

Answer: Bernalillo County

D: Cleveland, Ohio

Answer: Cuyahoga County

E: Portland, Oregon

Answer: Multnomah County

F: San Antonio, Texas

Answer: Bexar County (pronounced like "Bear")

16. Name the following characters from Fritz Lang's *Metropolis* FTPE.

A: She preaches sermons to the workers in the underground city, and recounts the story of the Tower of Babel.

Answer: Maria

B: He is the son of the ruler of Metropolis, and ventures down into the underground city to hear Maria's sermon.

Answer: Freder Fredersen (accept either name)

C: He is an inventor who lives in a dilapidated old house amidst the tall buildings of the city. A prototype of the "Mad Scientist" in film, he creates a robot that takes the form of Maria.

Answer: Rotwang

17. Name these Native American tribes FTPE.

A: Originally united with the Moheicans, after the revolt of Uncas, this tribe moved west under chief Sassacus to the Connecticut River Valley, where they were wiped out by colonists under Mason in 1637.

Answer: Pequot

B: This tribe of east-central Wisconsin first made contact with Jean Nicolet in 1637. Their given name was a reference to the Fox River, meaning "People of the Dirty Waters." They are now known as the Ho-chunk.

Answer: Winnebago

C: Culturally related to the Arikara and Hidatsa, their most famous leader was Manto Tope. Sacajawea was a slave of this central North Dakota tribe before marrying fur trader Toussaint Charbonneau.

Answer: Mandan

18. FTPE, name these things associated with severe thunderstorms.

A: This type of cloud has a flat base showing tapered vertical development. Their characteristic anvil shape results from condensation caused by dropping temperatures as the cloud reaches the tropopause.

Answer: Cumulonimbus

B: Strait-line winds prevalent at the center of these bent squall lines result from constructive interference of winds rotating around low and high pressure centers at either end of the line. Tornadoes often develop at their northern end where the rotation is cyclonic.

Answer: Bow Echo

C: Calculated by dividing stability by vertical shear, high values of this dimensionless number indicate unstable, weakly sheared environments. Values from 50 to 100 favor thunderstorm supercell development.

Answer: Bulk Richardson Number

19. Identify the following from expressionist painting FTPE:

A: Verists George Grosz and Otto Dix led this 1920's movement which broke with the earlier Die Brücke and Die Blaue Reiter movements by abandoning symbolism for social commentary.

Answer: new objectivity (accept neue sachlichkeit)



B: The Die Blaue Reiter movement got its name from a painting by this artist of "Le cavalier bleu."

Answer: Wassily Kandinsky

C: Expressionist artists not affiliated with any expressionist movement included this French cyclist associated with fauvism, famous for grim landscapes like "Village in the Snow."

Answer: Maurice de Vlaminck

20. Identify the following from Japanese theatre FTPE:

A: In this type of play, the gidayu, or reciter, chants the musical narrative Joruri to the accompaniment of instruments. Written for puppet masters, this form was mastered by Chikamatsu Monzaemon.

Answer: bunraku

B: Many bunraku plays have been adapted to this style of theatre that developed with it. Concerning love, honor and revenge, this lavish style contrasts with the austere, restrained Noh form.

Answer: kabuki

C: The Noh drama matured during the lifetime of this prolific playwright who introduced dramas like *Atsumori* and *The Robe of Feathers* to No repertoire.

Answer: Zeami Motokiyo (accept either or both names)

21. Name these holy cities F10PE:

A: The capital of Punjab, this site of the Harimandir or Golden Temple is the center of Sikhism.

Answer: Amritsar

B: Home to Vishwanath Temple, this city, also known as Kashi or Benares, is the holiest site of Hinduism.

Answer: Varanasi

C: This suburb of Tehran is the holiest city of Zoroastrianism.

Answer: Rhaga

22. Name these Roman Emperors, FTPE.

A: Reigning from 68-69BCE, this previous governor of Aquitania succeeded Nero after two revolts by Iulius Vindex and Clodius Macer.

Answer: Servius Sulpicius Galba

B: The reign of this emperor was continuous with the climax of the Pax Romana. Like Hadrian, he is also known for a wall he built across Britain. His wife was Faustina.

Answer: Antoninus Pius

C: Chosen by his troops in opposition to Macrinus, this predecessor of Alexander Severus shares his name with the sun deity of which he was a priest, importing his cult to Rome on accession.

Answer: Heliogabalus (Marcus Aurelius Antoninus)

23. Identify the following works by Chaucer FTPE.

A: In this poem, the poet falls asleep and dreams of discovering the story of Dido and Aeneas in the Temple of Venus. In its second book, the poet converses with a shining eagle, who takes him to the title location, where a figure is distributing slander to her guests.

Answer: "The House of Fame"

B: Thought to be a lament for John of Gaunt's first wife, this poem is a lament by a Black Knight, who complains that Fortune has beaten him in life by allowing his lady to grant him bliss, then killing her.

Answer: "The Book of the Duchesse"

C: Chaucer also wrote this poem based on Boccaccio's *Il Filostrato* about the love of a Trojan Prince for a daughter of Calchas. It was a source for the Shakespearean drama of the same name.

Answer: "Troilus and Cressida"

24. Inspired by an event that took place in Havana in 1749, this painting depicts the valiant efforts of nine sailors to rescue an unlucky 14-year old who had gone swimming in the harbor. FTPE:

A: Name this 1778 painting whose title predator symbolizes the struggle between man and nature.

Answer: "Brook Watson and the Shark"

B: Name the artist who painted "Watson and the Shark."

Answer: John Singleton Copley

C: Copley had been invited to live in London, where he painted "Watson and the Shark," by this artist of "Death on a Pale Horse" and "Penn's Treaty with the Indians."

Answer: Benjamin West

25. Name these British statesmen FTPE.

A: In an election speech he made, known as the Tamworth Manifesto, he explained his emerging Conservative Party's acceptance of the Reform Bill of 1832. He is much better known for leading his party to repeal the Corn Laws under the influence of Richard Cobden.

Answer: Sir Robert Peel

B: Among the followers of Sir Robert Peel was this four-time prime minister, a fierce advocate of Irish home rule. His attacks on his pro-Turkish opponent brought the Liberals to power in 1880.

Answer: Sir William Ewart Gladstone

C: As Prime Minister during the U.S. Civil War, his pro-Confederacy feeling showed in his handling of the Trent Affair. He is better known for his prosecution of the Crimean War.

Answer: Henry John Temple, First viscount Palmerston (accept Henry John Temple)

===== END OF BONI. EXTRAS AFTER THIS LINE.  
=====

26. Name the following characters from the Ring of the Nibelung cycle, FTPE, given a line sung by each character, or for five given a description of that character.

A: 10: "Farewell, you bold, wonderful child! You, my heart's holiest pride!"

A: 5: He is the king of the gods, and father of the Valkyries.

Answer: Wotan

B: 10: "Farewell, Valhalla's glittering world! Let your proud fortress fall to dust!"

B: 5: She is a Valkyrie, daughter of Wotan and Erda, whose immolation scene ends the four-opera cycle.

Answer: Brünnhilde

C: 10: "To burn them who once tamed me, rather than foolishly end with the blind, even though they be the most godlike gods, does not seem stupid to me."

C: 5: He is the god of fire, who sets Valhalla ablaze at the end of the final opera.

Answer: Loge

27. Given an insect, name the order to which it belongs FTPE:

A: termites

Answer: isoptera

B: wasps

Answer: hymenoptera

C: fleas

Answer: syphonaptera

28. Given a mountain and elevation, identify the mountain range or which it is the highest point FTPE.

A: Jebel Toubkal (13,671 feet)

Answer: Atlas Mountains

B: Narodnaya Gora (6,180 feet)

Answer: Ural Mountains

C: Pico de Aneto (11,168 feet)

Answer: Pyrenees

29. Give the old coaching jobs and new for the following coaches F5E:

A: Tyrone Willingham

Answers: Stanford (old), Notre Dame (new)

B: Tony Dungie

Answers: Tampa Bay Buccaneers (old), Indianapolis Colts (new)

C: Steve Spurrier

Answers: University of Florida (old), Washington Redskins (new)

30. Name the primarily Islamic country given the current president FTPE:

A: Megawati Sukarnoputri

Answer: Indonesia

B: Pervez Musharraf

Answer: Pakistan

C: Zine al-Abidine Ben Ali

Answer: Tunisia