

LONE STAR

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Packet 10

Only read this packet if the last tossup of the previous round was Zimbabwe.

TOSSUP 1

These interactions can be seen in rightward deviations from a 3700 wavenumber absorption frequency in IR spectroscopy. A key species being equidistant between two molecules causes the strong “symmetric” form of these interactions. These interactions occur between the n th and n plus 4th residues in an alpha helix. The (*) donor in these interactions has a partial negative charge. These interactions explain the high boiling point and surface tension of water. For 10 points, name these intermolecular forces named for the lightest element.

ANSWER: **hydrogen bonding** [or **H bonds**; prompt on **dipole-dipole** interactions; prompt on **intermolecular forces** or **IMFs** until “intermolecular” is read] <Condron>

BONUS

This test for the convergence of a continuous, positive, and decreasing function says that if the result of applying the namesake operation on the function is convergent, then the infinite series is also convergent. For 10 points each:

[10] Name this test named for the operation used to find the area under a curve. The operation this test is named for is frequently thought of as the opposite of differentiation.

ANSWER: **integration** test [or word forms like **integral** test]

[10] This integration technique sets the integral of “ $u dv$ ” equal to “ uv ” minus the integral of “ $v du$.”

ANSWER: integration by **parts** [or **partial** integration; accept word forms like “integral” in place of “integration” in all answers]

[10] When repeated application of integration by parts is required, you can use a table featuring a column of alternating positive and negative signs, a column for repeated derivatives of u , and a column for repeated integrals of v . At what point should you stop adding new rows to the table? A description is acceptable.

ANSWER: the derivative of **u** equals **zero** [accept any answer that includes a description of the number in the **u -column** being equal to **zero** or the **derivative** column being equal to **zero**; prompt on partial answers and answers describing “when you can’t take the derivative anymore”] <Condron>

TOSSUP 2

In June, a member of this organization announced his retirement, saying “I ain’t spend the money we are to participate in any political BS!!.” Ray Ciccarelli’s resignation came in response to a controversial decision by this organization and preceded a mistake centering on a loop in a pull-down (*) rope. That mistake led to allegations of a “noose hoax” being levied at this organization’s only Black competitor, Bubba Wallace. For 10 points, the Confederate flag was banned at all races of what auto racing company?

ANSWER: **NASCAR** [or **N**ational **A**ssociation for **S**tock **C**ar **A**uto **R**acing] <Patison>

BONUS

In one novel by this writer, Urania Cabral returns to Santo Domingo to visit her father years after the death of Rafael Trujillo. For 10 points each:

[10] Name this Nobel Prize-winning author of *The Feast of the Goat*, who also depicted the Radio Panamericana employee Mario and the eccentric Pedro Camacho in *Aunt Julia and the Scriptwriter*.

ANSWER: Mario Vargas Llosa

[10] In this Vargas Llosa novel, the university student Santiago and the chauffeur Ambrosio discuss the dictatorship of Manuel Odría in the title bar.

ANSWER: Conversation in the Cathedral [or Conversación en la catedral]

[10] *Conversation in the Cathedral* is set in this country's city of Lima, where Manuel Odría ruled in real life. The novel begins by asking a question about the "precise moment" of this country's downfall.

ANSWER: Peru <Tagtmeier>

TOSSUP 3

A section of these devices must be above a certain length to avoid punch-through, but below a certain length to avoid drop-off. Ebers-Moll models are used to illustrate examples of these devices. To create these devices, lithography is used to selectively dope (*) "n-p-n" or "p-n-p" junctions. Moore's law predicts that these devices will double in density every two years. For 10 points, name these semiconductor devices that are used for the amplification and switching of electrical power.

ANSWER: transistor [accept Bipolar Junction Transistor or Metal Oxide Semiconductor Field Effect Transistor] <Madoerin>

BONUS

This region names two wars fought by a namesake league at the start of the 20th century, which involved Austrian intervention and Russian support. For 10 points each:

[10] Name this region, the "powder keg of Europe," where Otto von Bismarck predicted the next European war would begin. A war ending in 1878 had ensured the independence of most of its states from a declining empire.

ANSWER: Balkan Peninsula

[10] This country in the Balkans had already become independent in 1830, although only the southern two thirds of the modern country were then in its territory. This country's capital was moved from Nafplio to Athens in 1834.

ANSWER: Kingdom of Greece

[10] Treaties in San Stefano and this capital city ended the Russo-Turkish War of 1877-8. The later Tripartite Convention of 1899 involved the US, UK, and this city's home country in determining their sovereignty in Samoa.

ANSWER: Berlin <Ma>

TOSSUP 4

In this novel, the protagonist's father talks with the boatman Tai, who tells him about an ill woman that he later medically examines through a perforated sheet. In this novel, a silver spittoon falls from the sky and hits the protagonist on the head, erasing his memories. In this novel, a character who has (*) strong knees is switched at birth with the protagonist, who is mockingly called "Sniffer" due to his gargantuan nose. For 10 points, Saleem Sinai and other children gain magical powers after being born during India's independence in what Salman Rushdie novel?

ANSWER: Midnight's Children <Nair>

BONUS

The number of valence electrons, minus the number of these structures, minus half the number of bonding electrons,

is the formal charge of an atom. For 10 points each:

[10] Name these structures. The bent geometry of a water molecule results from the central oxygen atom having two of these structures.

ANSWER: electron pairs [accept lone pairs or inert pairs]

[10] According to this model, the number of lone pairs and bonds around a central atom are used to determine molecular geometries. It's based on the premise that lone pairs will maximally repel each other.

ANSWER: VSEPR ("ves-per") theory [accept valence-shell electron pair repulsion theory or Gillespie-Nyholm theory]

[10] Because the central atom has no lone pairs, carbon dioxide's peripheral oxygens straighten out into this simple molecular geometry. Molecules with this geometry have a 180° bond angle.

ANSWER: linear <Shyam>

TOSSUP 5

This battle began with an attempted encirclement of Agostino Barbarigo's forces. After running out of weapons, one side in this battle began throwing citrus fruits. This battle was prompted by the flaying of the commander of Famagusta. The flag of the Knights of Malta was captured at this battle in the Gulf of Patras by Uluj (*) Ali. Miguel de Cervantes was maimed during this battle, the largest and last fought with galleys. For 10 points, name this battle in which Don Juan of Austria led the Holy League to victory in 1571 over the Turkish navy.

ANSWER: Battle of Lepanto <Goodapaty>

BONUS

A 4,436-line alliterative poem about this man was the source of a Thomas Malory poem about his death. For 10 points each:

[10] Name this legendary British king. Thomas Malory's version of the legend of this man describes the exploits of the knights of the Round Table and the quest for the Holy Grail.

ANSWER: King Arthur [accept *Le Morte d'Arthur* or *The Death of Arthur*]

[10] Arthur abandons an invasion of Rome to face this knight, his nephew or son depending on the version of the legend, in battle at Camlann. This man is slain in battle after seizing Arthur's kingdom and Arthur's wife Guinevere.

ANSWER: Mordred [or Modred]

[10] Following the battle, Arthur asks the knight Bedivere to return this object to the Lady of the Lake. After throwing this object into the water, a hand rises up to catch it.

ANSWER: Excalibur [prompt on sword] <Condron>

TOSSUP 6

An annual festival for this dance occurs in the small town of Seinajoki, Finland. This dance's American Style was started by the movie *The Four Horsemen of the Apocalypse* and its canyengue variety has the dancers in a close embrace. The bandoneon is commonly used for this dance by composers like Astor Piazzolla. A popular song for this dance is (*) Carlos Gardel's "La Cumparsita." This intimate and intricate partner dance originated in the neighborhood of La Boca. For 10 points, name this South American dance commonly associated with Argentina.

ANSWER: tango <Goodapaty>

BONUS

This is the largest religious complex in the world. For 10 points each:

[10] Name this structure built to resemble Mount Meru, a temple to Vishnu made by Suryavarman II. This structure

was later converted to a Buddhist temple after the capital city it was part of fell to the Cham.

ANSWER: Angkor Wat

[10] Angkor Wat is in this country, the center of the Khmer Empire. This country's capital is Phnom Penh.

ANSWER: Cambodia

[10] Angkor lies just north of this Cambodian lake, whose drainage basin water was stored in massive reservoirs during the monsoon season. This lake reverses its flow into and out of the Mekong River seasonally.

ANSWER: Tonlé Sap Lake <Ma>

TOSSUP 7

In one film, this actor takes a bus from Fort Hancock to Mexico, violating his parole. This actor's role as a janitor with special powers in *Bruce Almighty* has led to his best-known persona, which he riffed on in *The Lego Movie*, where his character defeats skeletons using a walker. (*) Francois Pienaar is congratulated after a Springbok victory by this actor's character in *Invictus*. In that movie, Nelson Mandela is portrayed by, for 10 points, which star of *The Shawshank Redemption* and voice of God?

ANSWER: Morgan Freeman <Patison>

BONUS

This poem describes "dense commuters" who "repeat their morning vow; / 'I will be true to the wife, / I'll concentrate more on my work.'" For 10 points each:

[10] Name this poem, whose narrator claims, "all I have is a voice / to undo the folded lie," after asking, "Who can speak for the dumb?" This poem's speaker says that he is composed "of Eros and dust" in its concluding stanza.

ANSWER: "September 1, 1939"

[10] "September 1, 1939" was written by this British poet of "Funeral Blues" and "Musée des Beaux Arts" ("muse-ay day beau-zar").

ANSWER: W. H. Auden [or Wystan Hugh Auden]

[10] Auden's "Musée des Beaux Arts" concludes that "it was not an important failure" for a nearby ploughman when this mythological figure fell into the sea after flying too close to the sun.

ANSWER: Icarus <Yoo>

TOSSUP 8

A poet who wrote in this language included the poem "City That Does Not Sleep" in a collection written during his stay at Columbia University, *Poet in New York*. Another poet in this language describes "a world, lying in surrender" in a poem describing the "white hills, white thighs" of the addressee. That poem in this language is collected with a poem beginning "the (*) memory of you emerges from the night around me" that repeats the line "in you everything sank." For 10 points, *Twenty Love Poems and a Song of Despair* was written in what language of Federico Garcia Lorca and Pablo Neruda?

ANSWER: Spanish [or Español] <Yoo>

BONUS

More than 100 people died after a July 2020 landslide in a mine for this mineral. For 10 points each:

[10] The poorly regulated Hpakant ("pah-GAN") mines search for this mineral. It can be found in its namesake "tract" of the Uyu River.

ANSWER: jade [or jadeite or nephrite; accept jade tract]

[10] Over 70% of global jade exports come from this Southeastern Asian country ruled from Naypyidaw. In 2018, Time Magazine honored two Reuters journalists who were imprisoned for reporting on this country's persecution of the Rohingya ("row-IN-juh") minority.

ANSWER: Republic of the Union of Myanmar [accept Burma]

[10] This Burmese politician, criticized for defending the Rohingya genocide, pledged to clean up the illegal jade mining industry. She was under house arrest for 15 years after losing power to a military junta.

ANSWER: Aung San Suu Kyi (“awng san su chee”) <Nair>

TOSSUP 9

The opposite of this effect includes consequences of negative expectations and is named for a Latin word beginning with “no,” meaning, “I shall cause harm.” A 1955 Harvard study titled *The Powerful [this effect]* described the importance of separating “pharmacological effects from the effects of (*) suggestion.” Positive reactions to saline injections and sugar pills are common examples of, for 10 points, what phenomenon in which people experience a psychological benefit from technically ineffective treatments?

ANSWER: placebo effect <Yoo>

BONUS

The first movement of this symphony opens with a loud descending F-sharp minor arpeggio. For 10 points each:

[10] Name this symphony with an adagio finale in which performers slowly leave the stage after blowing out candles until only two muted violins remain.

ANSWER: Farewell Symphony [accept but do not otherwise reveal Haydn’s 45th Symphony]

[10] The *Farewell Symphony* is a piece by this Classical-era composer, often referred to as the father of the symphony and string quartet.

ANSWER: Franz Joseph Haydn

[10] Haydn’s final twelve symphonies were composed while working in this city. His final symphony is also nicknamed for this city, where fellow German George Frederick Handel had worked a half century earlier.

ANSWER: London <Vasilyev>

TOSSUP 10

This man won a battle that the losing side called the “highway of the martyrs,” which began after a plea for help by the victor of Toulouse, Odo the Great. Edward Gibbon called this man “the savior of Christendom” for defeating Abd-ar-Rahman at that battle near (*) Poitiers and ending Umayyad expansion. This man was never crowned king, unlike his son Pepin the Short, but names the Carolingian Dynasty. For 10 points, name this grandfather of Charlemagne, whose victory at the Battle of Tours earned him the epithet, “The Hammer.”

ANSWER: Charles Martel [accept Charles the Hammer; prompt on Charles] <Goodapaty>

BONUS

Answer these questions about saltwater lakes across the world. For 10 points each:

[10] Name this lake located on the border between Jordan and Israel. This lake’s staggering salinity makes it impossible for a human to sink in it, and this lake’s shores are the lowest point of land on Earth’s surface.

ANSWER: Dead Sea

[10] The largest saltwater lake in the Western hemisphere, the Great Salt Lake, is located in this state.

ANSWER: Utah

[10] This ephemeral saltwater lake is the largest lake in Australia when fully replenished, as well as the country’s lowest point. The native Armana people who inhabit this lake call it Kati Thanda.

ANSWER: Lake Eyre <Shyam>

TOSSUP 11

In one work, this author recounts a Formosan’s story about a child crucified for poisoning the Emperor before calling Papists “our most dangerous enemies.” The allegory of the spider and the bee is featured in a preface by this author about a fight between the Ancients and Moderns in St. James’s Library. An essay by this author discusses making poor (*) children “beneficial to the publick” by eating them, and he included “The

Battle of the Books” in his *A Tale of a Tub*. For 10 points, what Irish satirist of “A Modest Proposal” wrote about the islands of Lilliput and Laputa in *Gulliver’s Travels*?

ANSWER: Jonathan Swift <Yoo>

BONUS

In the 15th century, Portuguese explorers commissioned Sapi workers to carve saltcellars out of this material. For 10 points each:

[10] Name this rare and luxurious material, similar to whale bones in its use in scrimshaw art. This material was used to make the Lewis Chessmen and many game pieces, including pool balls.

ANSWER: ivory [prompt on tusks]

[10] This Mannerist sculptor’s namesake *Salt Cellar* for Francis I is made with ivory and enamelled gold. Other works by this artist include the sculptures *The Nymph of Fontainebleau* and *Perseus with the Head of Medusa*.

ANSWER: Benvenuto Cellini

[10] Chryselephantine art refers to sculptures made of gold and ivory in Ancient Greece, such as Phidias’s lost statue of this Greek goddess of wisdom, housed in the Parthenon.

ANSWER: Athena *Parthenos* <Vasilyev>

TOSSUP 12

One of these works by Hector Berlioz requires four brass choirs at different corners of the stage. One of these works dedicated to Alessandro Manzoni features trumpets surrounding the stage in its *Tuba Mirum* and is by Giuseppe Verdi. Count Walsegg secretly commissioned one of these works in (*) 1791 whose setting of the *Dies Irae* ends with an unfinished eight-measure *Lacrimosa* completed by Franz Sussmayr. For 10 points, Mozart died while writing an unfinished D minor example of what pieces, masses for the dead?

ANSWER: requiem masses [prompt on masses for the dead before mention; do not accept or prompt on “mass”] <Vasilyev>

BONUS

Along with James Prescott Joule, this scientist names an effect in which a gas cools as it adiabatically expands. For 10 points each:

[10] Name this namesake of the SI unit of temperature, a scale that sets its zero to absolute zero.

ANSWER: William Thomson, 1st Baron Kelvin [or William Thomson, 1st Baron Kelvin; do not accept or prompt on “J. J. Thomson”]

[10] The fundamental theorem of curls in vector calculus is named for Kelvin and this scientist. This scientist also names the fundamental equations of fluid mechanics with Claude-Louis Navier.

ANSWER: Sir George Gabriel Stokes, 1st Baronet

[10] The dynamic form of this quantity is multiplied by density in one of the Navier-Stokes equations. Stokes also names the units for the kinematic form of this quantity, which represents the magnitude of internal friction.

ANSWER: viscosity <Pamurthy>

TOSSUP 13

This character is caught stealing food from Death, which results in Death arriving in the city. This character covers his head with a wet leaf to convince a group that it was raining. After catching a (*) leopard, hornets, and an invisible fairy, this character is given the title “King of the Wisdom Narratives” by Nyame. In one story, this character fails to contain the world’s knowledge in a calabash, causing it to be spread to humankind. For 10 points, name this trickster from West African mythology who often takes the form of a spider.

ANSWER: **Anansi** [accept **Mr. Nancy**] <Tagtmeier>

BONUS

In an opera titled for these beings, one of them protects Siegmund in his fight against Hunding. For 10 points each:
[10] Name these daughters of Wotan. One of these beings, Brunnhilde, is the title character of the second opera of the Ring Cycle.

Answer: **valkyries** [accept **Die Walküre** or **The Valkyrie**]

[10] *The Ring Cycle* is by this German composer. This notoriously antisemitic composer also wrote *Tannhäuser* and *Tristan and Isolde*.

Answer: Wilhelm Richard **Wagner**

[10] In his essay *On Jewishness in Music*, Wagner primarily targeted this composer. Operas by this composer include *L'Africaine* and *Les Huguenots*.

Answer: Giacomo **Meyerbeer** [or Jacob Liebmann **Beer**] <Pamurthy>

TOSSUP 14

Two of these institutions in New York were begun by James Gordon Bennett and Henry Raymond. One of these institutions sponsored Nellie Bly's circumnavigation of the world. The Liberal Republican presidential candidate in 1872 led one of these institutions; he also said to "go West, young man" and was Horace (*) Greeley. A "yellow" sensationalist practice in these institutions sparked the Spanish-American War and was practiced by rivals William Randolph Hearst and Joseph Pulitzer. For 10 points, name these institutions exemplified by the *New York Times*.

ANSWER: **newspapers** [accept equivalents such as printing **press** or **journalism**; prompt on **papers**; do not accept "publishing house"] <Goodapaty>

BONUS

Inspired by Euripides, this author wrote the plays "Medea" and "The Trojan Women." For 10 points each:

[10] Name this author who also wrote essays on topics like anger, the private life, mercy, and favors. This author may have been the richest philosopher of all time, owing to his position as imperial tutor to Nero alongside Burrus.

ANSWER: **Seneca** the Younger

[10] Seneca was a member of this philosophical school, along with Marcus Aurelius and Epictetus. Their doctrines included not caring about things out of their control and proclaiming that virtue is the only good.

ANSWER: **Stoicism** [accept word forms like **Stoic**]

[10] Stoic proofs for the existence of this being relied on the argument from design, an argument attacked later by David Hume. Atheists deny the existence of this type of being.

ANSWER: **God** [or a **deity**] <Ma>

TOSSUP 15

This artist's last work depicts many sliced watermelons and is titled *Viva La Vida*. An American socialite jumps from a tall building into a cloudy sky in a painting by this artist titled *The Suicide of Dorothy Hale*. This artist began painting after a bus accident that caused lifelong medical problems, which are reimagined in works like *The (*) Broken Column* and *Self-Portrait with Thorn Necklace and Hummingbird*. Painting many self-portraits featured her signature unibrow, for 10 points, name this Mexican artist, the wife of Diego Rivera.

Answer: Frida Kahlo <Pamurthy>

BONUS

Mytilene is a beautiful Greek city. For 10 points each:

[10] During this war, Athens voted to exterminate the population of Mytilene, only to reverse course in the next debate and stop the process just in time. This war pitted alliances led by Athens and Sparta against each other.

ANSWER: Peloponnesian War

[10] Mytilene lies on this island, only a few miles from Turkey. Mytilene's most famous resident, Sappho, legendarily died by jumping off a cliff on the edge of this island out of unrequited love.

ANSWER: Lesbos

[10] Psittacus of Mytilene, one of the Seven Sages of Greece, suggested that people with this condition be fined doubly for crimes. This was a tax on the rich, as upper-class Greeks often gained this condition in symposiums.

ANSWER: drunkenness [accept synonyms like inebriation or intoxication] <Ma>

TOSSUP 16

This compound is broken down by invertase and isomaltase. It's not cesium chloride, but a concentration gradient of this molecule is used to separate membrane-bound organelles in density gradient centrifugation. *Streptococcus sanguinis* converts this molecule into dextrans that build up into anaerobic biofilms causing (*) caries. A 1-2 glycosidic linkage in this 12-carbon disaccharide connects its monomers of glucose and fructose. Purified mainly from beets or cane, for 10 points, name this molecule that comprises table sugar.

ANSWER: sucrose <Ma>

BONUS

This character owns the Greenwich Village establishment that serves as the setting of the play he appears in. For 10 points each:

[10] Name this character who hasn't left his saloon in 20 years since the death of his wife Bess. This character often hands out free drinks to his patrons despite claiming repeatedly that he won't.

ANSWER: Harry Hope [accept either underlined part]

[10] Harry Hope appears in *The Iceman Cometh*, a play by this author of *Strange Interlude* and *Long Day's Journey into Night*.

ANSWER: Eugene O'Neill

[10] *Long Day's Journey into Night* features this family, whose members include Mary, who has a morphine addiction, James, who can only act one role, and Edmund, who is diagnosed with tuberculosis.

ANSWER: Tyrone family [or Tyrones] <Yoo>

TOSSUP 17

In a novel by this author, Mary marries the wealthy Conte di Minghetti after her alcoholic husband Abe is killed. A man meets his schizophrenic wife while treating her as a young psychiatrist in that novel by this author, which depicts the young actress Rosemary Hoyt's affair with (*) Dick Diver. Owl Eyes attends the title character's parties in this author's novel about a man who obsesses over the green light at the end of a dock and loves Daisy Buchanan. For 10 points, name this author of *Tender is the Night* and *The Great Gatsby*.

ANSWER: F. Scott Fitzgerald [accept Francis Scott Key Fitzgerald] <Yoo>

BONUS

In this technique, a normal sinus rhythm contains a P wave, the QRS complex, and the T wave. For 10 points each:
[10] Name this technique in which electrodes are stuck to the chest and the electrical signals from the cardiac cycle are recorded. This technique can be used to diagnose arrhythmias.

ANSWER: electrocardiogram or electrocardiograph or EKG or ECG

[10] EKGs detect electrical activity in this organ, which contains four chambers and pumps blood through the body.

ANSWER: heart

[10] Signals from the AV node are passed through the bundle of His to these structures in the heart's conduction system. These structures cause contraction of the ventricles.

ANSWER: Purkinje fibers [prompt on Purkinje; do not accept or prompt on "Purkinje cells"] <Pamurthy>

TOSSUP 18

Mass transfer to these objects creates cataclysmic variables. These objects are formed after the shedding of envelopes falsely known as "planetary." On an H-R diagram, these objects are seen in a downward-rightward curve from the top left to the lower left. These objects held together by (*) electron degeneracy undergo classical novae. When these objects exceed the Chandrasekhar mass, carbon detonation in type Ia supernovae occurs. Formed from red giants, for 10 points, name these dense dwarfs, remnants of medium-size stars.

ANSWER: white dwarf stars [prompt on dwarf star] <Ma>

BONUS

The protagonist of this novel initially engages in an affair with the playwright Michaelis. For 10 points each:

[10] Name this novel whose protagonist later meets Oliver Mellors, the gamekeeper of her husband's estate. This novel's protagonist reveals later that she is pregnant with his child to her husband, the paraplegic Clifford.

ANSWER: Lady Chatterley's Lover

[10] This author of *Lady Chatterley's Lover* wrote about the oedipal relationship between Gertrude and Paul Morel in the heavily censored novel *Sons and Lovers*.

ANSWER: David Herbert Lawrence

[10] In this oft-anthologized Lawrence short story, Hester's son is able to predict the outcome of races by riding on the title toy for hours at a time. That son in this story dies after winning a bet he placed on Malabar.

ANSWER: "The Rocking-Horse Winner" <Nair>

TOSSUP 19

One of these places holds Brian Boru's harp in its Long Room. One of these places at 10½ Beacon Street is the Athenaeum. One of these places named for J.P. Morgan lies five blocks from another of these places whose entrance opposite Bryant Park is flanked by two (*) lions. The Beinecke one of these places at Yale lets in light through thin marble walls. The largest one of these institutions is the one "of Congress." With a renowned ancient example at Alexandria, for 10 points, name these institutions that store and lend books.

ANSWER: libraries <Ma>

BONUS

In 2020 of the Gregorian calendar, this holiday ushered in the new year of 5781. For 10 points each:

[10] Name this holiday on the first of Tishrei that signifies the start of a new year in a religion whose members atone for their sins 8 days later on Yom Kippur. During this holiday, believers sing an extended version of the Amidah.

ANSWER: Rosh Hashanah

[10] During Rosh Hashanah, many Jews dip apples in this substance hoping to evoke a "sweet new year." This substance supposedly flowed alongside milk in the land of Canaan.

ANSWER: honey

[10] This object is sounded 100 to 101 times each day of Rosh Hashanah. Commands such as *tekiah*, *shevarim*, *teruah*, and *tekiah gedolah*, precede the use of this object on Yom Kippur.

ANSWER: Shofar [prompt on ram's horn] <Rubel>

TOSSUP 20

This ruler won the Toluid Civil War against Ariq Bokë after taking power at a *kurultai*. This ruler succeeded his brother Mongke and moved his empire's capital from Karakorum to Shangdu and Dadu. This ruler defeated the Champa on his southern border but failed to conquer Java. Two of this man's invasions were stopped by (*) typhoons that destroyed his fleets that were dubbed divine, the kamikaze of Japan. For 10 points, name this founder of the Yuan Dynasty who hosted Marco Polo in Beijing, a Mongol grandson of Genghis Khan.

ANSWER: Kublai Khan <Rubel>

BONUS

Name the following about Oklahoman history, for 10 points each:

[10] "Okies" was the nickname given to people affected by this event that coincided with the Great Depression. Many of the "Okies" affected by this event emigrated to California in search of better farmland.

ANSWER: Dust Bowl

[10] Until 1889, most of the area of Oklahoma was this territory. The Land Rush of 1889 led to half of this territory becoming "Oklahoma Territory," to be reunited upon statehood.

ANSWER: Indian Territory

[10] This resource was found in Oklahoma first in a "gusher" well at Bartlesville. Known as black gold, this resource became the key part of Oklahoma's economy as automobiles requiring it grew in prominence.

ANSWER: petroleum [accept crude oil] <Ma>