

Chicago Open 2013: No Subtext, Just Tacos

Packet by Audubon Has No Speed Limit (Jeff Hoppes, Selene Koo, John Lawrence, Seth Teitler) Edited by Matt Bollinger, Libo Zeng, Sriram Pendyala, Dennis Loo, Sinan Ulusoy, and Kevin Koai, with invaluable contributions by Matt Jackson

Tossups

1. A bishop of this nationality, Joseph George Strossmayer, helped negotiate a treaty whose Article 66 initially left a port city they claimed in dispute until their rival signatories pasted three scraps of paper on and just took it. In the 17th century, Spain decided to harass Venice by hiring the *uskok*, bands of raiders of this nationality. This people's regional nationalism was fostered when Gaj's ("Guy's") Latin alphabet was created for their language. People of this nationality received very little power over taxation in a dissatisfying agreement called the *Nagodba*, which did, however, allow them to elect their (*) *sabor*. A conservative general of this ethnicity won the Battle of Schwechat against Artur Gorgey, thus crushing the 1848 Hungarian Revolution for the Habsburgs. The Illyrian Movement began among intellectuals of this ethnic group, whose less savory actions include creating the Jansenovac Concentration Camp. For 10 points, name this ethnicity of Josip Jelacic and the Ustashe, a Balkan people known for hating Serbs.

ANSWER: Croatian [or Croats]

2. One theorist in this school devised the Polanyi-inspired term "embedded liberalism," using it to explain the formation of the Bretton Woods system in *Winning the Peace*. An important article written from this perspective imagines the initial encounter between two states called Alter and Ego. John Ruggie is a contemporary theorist working in this perspective, which was pioneered by Nicholas Onuf and Friedrich Kratochwil. This theory partly draws on the sociological ideas of (*) Berger and Luckmann. Only gaining popularity after the end of the Cold War, it was brought into the mainstream by the author of "Anarchy is What States Make of It," Alexander Wendt. For 10 points, name this alternative theory to realism and liberalism, which basically concerns how a state's perceptions of the international system reciprocally helps create that system.

ANSWER: social constructivism

3. In a scene in this play, one character criticizes two clerks playing chess for not moving their pieces all around the board according to the new rules. In multiple scenes in this play, that character drops a stone and sarcastically claims that the stone flew upwards. A second "American version" of this play was created by its author in collaboration with actor Charles Laughton, who played the title role. In this play, Christopher Clavius declares that a character who rejects the existence of crystal (*) spheres is correct. The title character of this play teaches the young Andrea Sarti. That title character's daughter, Virginia, loses her fiancé Ludovico because of the ideas of her father, who recants before the Papal Inquisition. For 10 points, name this play by Bertolt Brecht about the title astronomer.

ANSWER: *The Life of* Galileo [or *Leben des* Gallilei]

4. During this man's regime, the Guardians of Morality and Advocates of the Good ceaselessly patrolled the streets to prevent women from dressing provocatively. This dictator brutally neutralized the SPLM by sponsoring ethnic warfare between two of its factions, led by John Garang and Riek Machar. Iran's Revolutionary Guards inspired this dictator to assemble his own militia, the jihadist People's Defense Force. Carlos the Jackal hit the end of the road when this man's government allowed him to be extradited to France. This leader introduced Shari'a law with the support of (*) Hasan al-Turabi, founder of the National Islamic Front. This dictator gave shelter to Osama Bin Laden in the 1990's, an excuse that the Clinton Administration used to bomb pharmaceutical factory in his country. This man became the first sitting world leader indicted by the International Criminal Court for employing the brutal *Janjaweed* militia. For 10 points, name this genocidal current president of Sudan.

ANSWER: Omar al-Bashir

5. This item lent its name to an OSS Psychological Operations campaign featuring postage stamps with images of Adolf Hitler's exposed skull. This food item stars in a Momofuku Milk Bar cookie with chocolate chips and marshmallows. In 2009, a laser-etched version of these objects was proposed in the United

Kingdom to improve branding. James Beard's (*) French toast adds this ingredient to the coating as a special touch. In India, this food item initially failed against the domestic brand Mohan Meakins because it got soggy when hot milk was poured over it. Versions of this cereal include Elijah's Manna, which was renamed Post Toasties. For 10 points, name this breakfast cereal made by Kellogg's and championed by Cornelius the Rooster.

ANSWER: cornflakes

6. For a single element, this phenomenon reaches a minimum when a simple relation between the Coddington shape and position factors holds. The aesthetically displeasing nisen bokeh effect occurs when this phenomenon is overcorrected. Some 18th century attempts to reduce it used cemented doublets or triplets, while in 1931 Bernard Schmidt designed a way to reduce it by inserting a slightly wavy glass plate. Its longitudinal type is the distance between the marginal and paraxial foci(*). Its blur disk goes as the numerical aperture cubed and can thus be reduced by placing a stop against a camera lens. It can also be eliminated for an on-axis object at infinity by using a paraboloid system. For 10 points, name this undesirable optical phenomenon in which there are different foci for rays incident on the center or edge of a lens or mirror, exemplified by elements with a namesake shape.

ANSWER: spherical aberration

7. The closing chapter of Richard Cohn's *Audacious Euphony* begins with an analysis of a passage in the scherzo of this symphony in which the theme cycles from D-flat major to C-sharp minor to A major to D minor to G major before returning to the tonic. The trio of this symphony's scherzo is in the unusual submediant key of A. This symphony's second movement is a march-like piece in A minor, marked *Andante con moto*, featuring a dotted opening melody played by a solo oboe. For the premiere of this symphony, Robert Schumann wrote an article praising its "heavenly length". This symphony opens with two unaccompanied (*) French horns playing a melody beginning "C - D - E - A - B - C", which recurs in the *Piu moto* coda of the first movement. Felix Mendelssohn premiered this symphony in Leipzig in 1839, eleven years after its composer's death. This work's nickname is given to distinguish it from its composer's sixth symphony in the same key. For 10 points, name this symphony that a certain Austrian composer wrote after his "Unfinished."

ANSWER: Franz Schubert's Symphony No. 9 in C major, D. 944 "Great" [or "Great C major" Symphony; accept obvious equivalents like "Schubert's Ninth Symphony"]

8. According to one of this religion's texts, its founder had a mysterious twin who revealed a secret revelation at the age of twenty-five. The phrase "on the origin of his body" titled that text, which is known to modern scholars as the "Cologne Codex." Albert von le Coq's German Turfan expedition uncovered paintings by followers of this religion, as well as some of their texts, which used a writing system called the "Estrangelo." One of its texts was a book supposedly painted in a cave and present in a library at Ghazni as late as the eleventh century; that text was the (*) *Arzhang*. Mou-Yu made this religion the official belief of the Uighurs, though it was prohibited in Tang China. Divided between the devout "Elect" and the less-devoted "Hearers," this religion holds that a primordial "World of Light" preceded creation. For 10 points, a third-century CE Persian prophet founded what religion, whose name still indicates a system of dualistic extremes?

ANSWER: Manichaeism [or Manichaenism; accept word forms]

9. One rare skin manifestation of this disease seen in Europeans is a form of lymphocytoma usually appearing as a single bluish-red spot near either the earlobe or nipple. Its causative agent contains one linear chromosome and 21 plasmids, and is protected from a host T-cell immune response by the salivary protein Salp15. Due to frequent coinfection with *Anaplasma phagocytophilum*, this disease is treated using (*) doxycycline, and transmission of this disease requires binding of OspA to TROSPA. This condition can cause widespread skin atrophy and migratory polyarthritis, particularly in the knees, upon dissemination, and it can also cause a characteristic bulls-eye shaped rash known as erythema migrans. Transmitted by the *Ixodes* tick. For 10 points, name this disease that is caused by the spirochete *Borrelia burgdorferi* and is named for a town in Connecticut.

ANSWER: Lyme disease or Lyme borreliosis or borreliosis

10. This man titles an Edwin Booth-produced play written by Connecticut lawyer G.H. Hollister. A character who adopts the full name of this character as his first name dresses up in women's clothing to raid houses and is found out to be Roxy's son Chambers rather than a Driscoll by Pudd'nhead Wilson. In a work about this character, his mistress Gwendolen kills herself after she is given to the king; that work was supposedly

inspired by an old book with striking green binding and miscasts this character as a Saxon. In another play, this man rejects the entreaties of (*) four consecutive tempters before being confronted by four knights; this man, who titles a Jean Anouilh play subtitled "The Honor of God," is then killed by those knights under Reginald Fitzurse. For 10 points, name this historical figure whose death is the subject of T.S. Eliot's *Murder in the Cathedral*.

ANSWER: Thomas (à) Becket

11. Fats Waller's only recording of one of his own works in which he played organ with a backup band was of a piece of this type. Scott LaFaro died shortly after recording an album titled for a piece of this type, which opens with a rendition of "My Foolish Heart". One musician include pieces of this type titled "Spring in Central Park" and "Autumn in Washington Square" in his *Jazz Impressions of New York*. One piece of this type was the signature tune of a harmonica player who plucked its melody on the guitar while simultaneously whistling it. Dave Brubeck's (*) daughter's name is mis-spelled on a track of this type on *Time Out*. These pieces include one by Fats Waller named "Jitterbug" and one by Toot Thielemans called "Bluesette". *Time Further Out* opens with a "Raggy" piece of this kind, while *Time Out* includes one name for "Kathy", and Bill Evans wrote one titled "for Debby". For 10 points, name these jazz pieces in 3/4 time.

ANSWER: jazz waltzes

12. Early maps of this city include the Bull Plat, the Crisp fortification chart, and the DeSaussure map, which may have been a revised copy of its original "Grand Modell." Early in the 18th century, this city's politics were dominated by the "Goose Creek Men." In 1735, its Sheppard's Tavern was the site of a production of Colley Cibber's *Flora*; the next year, its Dock Street Theatre performed *The Recruiting Officer*. The only Huguenot church in the United States is located in this city, a haven for Huguenots and (*) Jews in colonial America. Bumbling French diplomat "Citizen" Genet made his first landfall in the U.S. at this city, where he caused an uproar by commissioning a privateer called the *Sans-Culotte*. The Battle of Sullivan's Island prevented Admiral Peter Parker from invading this city, which was *not* accorded the honors of war after Henry Clinton successfully besieged it in 1780. For 10 points, name this city founded at the confluence of the Ashley and Cooper Rivers, the capital of colonial South Carolina.

ANSWER: Charleston, South Carolina [or Charles Town]

13. In one work, this thinker links the characters of Sophocles' *Antigone*, De Sade's *Juliette*, and Marianne in *The Times of Plumb* for occupying ethical positions that "Other" them by making us wonder "what do they really want?" Another of his works explicates another thinker's statement that Marx and not Freud originated the idea of the "symptom". One of his works suggests that academia is being haunted by the specter of Cartesian subjectivity, which deserves to be reasserted in philosophical discourse. A (*) documentary about this man, in which he delivers psychoanalytic readings of scenes from films, is titled *The Pervert's Guide to Cinema*. His most famous work attempts to analyze the workings of ideology by reviving Hegelian dialectics, reinterpreted through the lens of Lacanian psychoanalysis. For 10 points, name this author of *The Ticklish Subject* and *The Sublime Object of Ideology*, a Slovenian philosopher.

ANSWER: Slavoj Zizek [ZHEE-zhek]

14. This poet called England: "Queen of the restless fields of tide...Before whose feet the worlds divide". One poem by him describes the speaker's soul as a "twice-written scroll / Scrawled over on some boyish holiday" and "a stringed lute on which all winds can play". One of his poems describes a place where "all, but Lust, is turned to dust / in Humanity's machine" and "every stone one lifts by day / Becomes one's heart by night". Most of his poems were included in the 1881 collection, *Poems*, which launched his career. One poem by him tells of a refusal to let a red or white rose grow on a grave to tell "That (*) God's Son died for all". The sky is called a "little tent of blue" in that poem by him, which describes a figure who wears a cricket cap and whose "step seemed light and gay". That poem by him mentions an action that some do "with a bitter look" and that cowards do "with a kiss". For 10 points, name this Irish poet who declared that "Each man kills the thing he loves" in *The Ballad of Reading Gaol*.

ANSWER: Oscar (Fingal O'Flahertie Willis) Wilde

15. In one story, this figure instructs Ila Devi on how to behave with her husband on her wedding night, then is consumed by yearning. Married to Ayana, this character plays a central role in the *ras lila*. This focus of Jayadeva's *Gita Govinda* is the daughter of Vrishbhanu and is accompanied by eight *sakhis*, including

Visakha and Lalita, who stand in opposition to a similar group led by Candravali. She is worshipped in (*) Vrindavan, and represents the soul's yearning for union with her consort, according to the bhakti cult. Sometimes considered an avatar of Lakshmi, she waits for her consort even though he has married the Ashta-bharyas, including Rukhmini. For 10 points, name this foremost gopi, who is loved by Krishna.

ANSWER: Radharani [or Radhikarani; prompt on Lakshmi]

16. In 2012, experimenters first demonstrated a magnetic analogue of this phenomenon that is known as coherent quantum phase slip. Experiments based on the single electron transport effect, the quantum Hall effect, and this phenomenon form the so-called quantum metrology triangle. In combination with the quantum Hall effect, this phenomenon allows precise determination of Planck's constant h and the elementary charge e , as this phenomenon's namesake constant equals (*) $2e/h$. Two devices operating via this phenomenon are placed on the arms of a loop and experience a biasing current that reverses direction at each increment of half the magnetic flux quantum, producing sensitive magnetometers. For 10 points, name this phenomenon in which Cooper pairs tunnel through a thin insulator between two superconductors, used in making SQUIDs ["squids"].

ANSWER: Josephson effect

17. One artist working in this city painted some lances propped up against a wall across from a parade helmet, framing an armored duke of this city whose right hand clutches the top of a baton balanced against his hip. Another work created by an artist working in this city is a small panel whose original frame bore the inscription *Convenerunt in unum*, or "They met together"; that painting is dominated by a group of three men in the right foreground, one of whom may be John VIII Palaeologus. Among the court painters of this city's dukes was Giovanni Santi, the father of Raphael. Another court painter depicted one of this city's dukes wearing a red robe and red cap and shown in (*) profile, glossing over the duke's missing right eye but showing his notched nose. *The Flagellation of Christ* and the portrait of Federico da Montefeltro were made while Piero della Francesca worked in this city, whose duke Guidobaldo della Rovere commissioned a piece that inspired Manet's *Olympia*. For 10 points, that 1538 painting of a reclining nude woman is known as the "Venus of" what Italian city?

ANSWER: Urbino

18. An oxidative dimerization of this compound generates the reagent used in the Graebe-Ullmann reaction. Reactions in which migration of an alkyl group gives substituted derivatives of this compound include the Hofmann-Martius reaction and Reilly-Hickinbottom rearrangement. This compound reacts with nitrobenzene derivatives in the Wohl-Aue reaction. Oxidation of this compound by potassium dichromate gives the dye mauveine. Carboxyl-substituted quinoline rings are formed by the action of this compound with pyruvic acid and aldehydes in the Doebner reaction. Substituted derivatives of this compound were used by Hammett to develop his namesake acidity function; various substituents can alter the angle between the planes defined by the two primary features of this compound from the typical 37 to 46 degrees. The Bechamp reduction was used in industry to produce this molecule by reacting nitrobenzene with iron filings in hydrochloric acid. Nissl used this compound in his namesake stain to color RNA blue. For 10 points, name this benzene derivative with an amine functional group.

ANSWER: aniline or phenylamine [accept aminobenzene or benzenamine]

19. One character in this set of works lies in an open grave in the snow on a trip to a cemetery, shortly before learning that his father has just died of cancer. Another character in this series locks his son in a darkened room for nine years to reverse the effects of the Tower of Babel by redeveloping prelapsarian language, a theory he falsely claims to have discovered in a manuscript by Henry Dark. In a section of this series in which all the character names are colors, Blue is hired to watch Black from an (*) apartment across the street. In the third volume of this work, an unnamed narrator is made literary executor for Fanshawe, an author who has disappeared. The protagonist of the first volume of this work is hired to prevent Peter Stillman from killing his son. That protagonist is a writer named Daniel Quinn who is mistaken for a private investigator. Consisting of *Ghosts*, *The Locked Room*, and *City of Glass*, for 10 points, name this set of three postmodernist detective-fiction-inspired novels by Paul Auster, all set in the namesake city.

ANSWER: *The* New York Trilogy [prompt on City of Glass, Ghosts, and *The* Locked Room, before mentioned]

20. One scholar with this last name considers the forty-fifth birthday of Pompey the Great in the first chapter of the book *The Roman Triumph*, and describes the business success of *garum* dealer Aulus Umbricius Scaurus before August 25, 79 CE, in *Pompeii: The Life of a Roman Town*. In addition to current Cambridge classicist Mary, this is the married name of a pioneer of women's history who wrote "Woman as Force in History," and the last name of a historian who joined John Dewey, Thorstein Veblen, and others to found the (*) New School. The latter two historians with this last name were a couple who collaborated on a two-volume history of the United States, *The Rise of American Civilization*. For 10 points, give this last name of Mary and of Charles, who wrote *An Economic Interpretation of the Constitution*.

ANSWER: Beard [or Winifred Mary Beard; or Mary Ritter Beard; or Charles Austin Beard]

TIEBREAKER

The central character in this work is disappointed to discover that his former mentor now writes about women's fashion and loudspeakers and lives in villa number 18. That character in this novel is inspired by the admonition that a man "needs a gun and a book" and makes himself an officer's uniform using the tailoring skills he learned in jail. A haberdasher and a doorkeeper are inadvertently killed rather than Ilish and the rich journalist (*) Rauf Ilwan, who the title character of this work feels has betrayed him. The prostitute Nur, café owner Tarzan, and religious leader Sheikh al-Junaydi are sources of support for Said Mahran in, for 10 points, this novel by Naguib Mahfouz about a hunted bandit.

ANSWER: *The Thief and the Dogs* or *El-lis's wa el-kilab*

BONUSES

1. This man's namesake rules were extended by Mingos and by the Jemmis mno rules. For 10 points each:

[10] Name this man whose rules predict stable structures of polyhedral compounds based on the number of skeletal valence electrons. 4n clusters are characterized as closo-, nido-, arachno-, or hypho-.

ANSWER: Kenneth Wade

[10] Wade's rules are frequently invoked to predict the structures of compounds that contain hydrogen and this element. Its nitride forms structures similar to those of carbon allotropes.

ANSWER: boron

[10] These naked anionic clusters typically consist of main-group elements like tin and antimony. They are made by reduction by alkali metals and are also called naked clusters.

ANSWER: Zintl compounds or clusters

2. A New York Post headline causes the speaker of this poem to remember hearing a certain figure sing at the 5 Spot Café. For 10 points each:

[10] Name this entry in the *Lunch Poems*, set on "12:20 in New York, a Friday / Three days after Bastille day" in 1959.

ANSWER: "The Day Lady Died"

[10] "The Day Lady Died" is one of the *Lunch Poems* by this poet of "Having a Coke with You". He was a member of the New York School, alongside John Ashbery, Kenneth Koch, and James Schuyler.

ANSWER: Francis Russell "Frank" O'Hara

[10] "The Day Lady Died" mentions this poet and translator, noted for his translations of Homer's *Iliad* and *Odyssey*. His translations preserve word choice on a line-by-line basis, and keep a six-beat meter, unlike those of Robert Fitzgerald or Robert Fagles.

ANSWER: Richmond Lattimore

3. Sweden's age of greatness didn't end with the death of Gustavus Adolphus. For 10 points each:

[10] After Gustavus died in battle, the throne passed to this woman, his daughter. She invited Rene Descartes to teach philosophy in Sweden.

ANSWER: Queen Christina

[10] Christina's chancellor was this man, who administered the war in Germany while complaining that Denmark had "repeatedly chucked us under the chin to see whether our teeth sat firm in our head."

ANSWER: Axel Oxenstierna

[10] By the end of the Thirty Years' War, Sweden's army was led by this artillery expert, who masterminded victory

over the Bavarians at the winter battle of Jankau in 1645.

ANSWER: Lennart **Torstensson**

4. In September of last year, the French-Canadian conductor Yannick Nézet-Séguin was named music director of this city's orchestra. For 10 points each:

[10] Name this city, whose main symphony orchestra is considered one of the so-called "Big Five," and was directed for 44 years by Eugene Ormandy.

ANSWER: **Philadelphia** Orchestra

[10] This flamboyant British conductor of Polish extraction, known for conducting without a baton, was music director of the Philadelphia Orchestra from 1924 to 1938 and directed the orchestra on-screen in the film *Fantasia*.

ANSWER: Leopold **Stokowski**

[10] Stokowski and the Philadelphia Orchestra gave the American premiere of this symphony that sets texts from Goethe's *Faust* and has an E-flat - B-flat - A-flat motif, which begins its setting of the *Veni creator spiritus*.

ANSWER: Gustav **Mahler's Symphony No. 8** in E-flat major, "**Symphony of a Thousand**" [accept either; also accept obvious equivalents like "**Mahler's 8th Symphony**"]

5. The three most important of these structures were Adur Burzen-Mihr, Adur Gushnasp, and Adur Farnbag, thought to be established by Ahura Mazda himself. For 10 points each:

[10] Name these places of worship in Zoroastrianism dedicated to the veneration of a phenomenon representing God's light.

ANSWER: **fire temples** [or **Agiaries**]

[10] These twin concepts in Zoroastrianism, roughly meaning "truth" and "lies," correspond to the respective domains of Ahura Mazda and Angra Mainyu. Name both.

ANSWER: **asha** and **druj** [or **asa** and **druj**]

[10] Asha is also one of the six Amesha Spentas, who are worshipped in these six important seasonal festivals from Zoroastrianism. Their name means "proper time."

ANSWER: the six **gahambars**

6. The story of Antony and Cleopatra is retold in one of this collection's poems, "Egypt, Tobago." For 10 points each:

[10] Name this poetry collection whose title poem is inspired by Michael Manley. In its opening poem, "The Schooner *Flight*," a man named Shabine tells the story of his journey.

ANSWER: **Star-Apple Kingdom**

[10] A frog sneezes and exclaims, "Aeschylus me!" at the beginning of this play about the title characters' dealings with the Devil, who is accompanied by the aborted fetus Bolom.

ANSWER: **Ti-Jean and His Brothers**

[10] *Star-Apple Kingdom* and *Ti-Jean and His Brothers* were written by this author who wrote an epic poem inspired by the Iliad in which the fishermen Achilles and Hector are rivals for the love of the housemaid Helen.

ANSWER: Derek (Alton) **Walcott**

7. For 10 points each, answer the following on hunters.

[10] Hunter-gatherers are the title group in "The Original Affluent Society," the first essay in this 1972 collection.

ANSWER: **Stone Age Economics**

[10] In *Hunting with the Bow and Arrow*, Saxton Pope described the bow-making and hunting methods of this Yana studied in depth by Alfred Kroeber.

ANSWER: **Ishi**

[10] Marvin Harris' controversial claim that Aztec human sacrifice stemmed from a scarcity in protein exemplifies this anthropological perspective he pioneered in *The Rise of Anthropological Theory*. Theorists in this perspective look for environmental and physical explanations for social phenomena.

ANSWER: **cultural materialism** [prompt on partial answer]

8. Participants in this movement killed Moreira Cesar, a government official known as the "earth-shaker." For 10 points each:

[10] Name this 1896 rebellion in northeast Brazil, led by a man known as "Antonio the Counselor." Euclides da Cunha wrote a famous account of this rebellion called *Rebellion in the Backlands*.

ANSWER: **Canudos** rebellion [accept equivalents such as "uprising" in place of "rebellion"]

[10] The rebels at Canudos were mostly *sertanejos* angry at the secularist policies followed by Brazil's government since the overthrow of this last Brazilian emperor.

ANSWER: **Pedro II** [or **Peter II**]

[10] Canudos was defended to the death by the bandits of the backlands. This later Brazilian bandit king became a folk hero due to his loyalty to Padre Cicero and his brutal death by the side of his girlfriend Maria Bonita.

ANSWER: **Lampião** [or **Virgulino Ferreira da Silva**]

9. So-called MORBs [morbz] are examples of this rock formed at mid-ocean ridges. For 10 points each:

[10] Name this extrusive igneous rock whose intrusive equivalent is gabbro.

ANSWER: **basalt**

[10] Volcanoes on these structures generally erupt basalts that are chemically distinct from MORBs, suggesting multiple mantle reservoirs. Accretion of arcs of these structures may yield much of the continental crust.

ANSWER: **islands** [accept **island arcs**]

[10] Island arc accretion also provides some of the material found in these large belts of basalt and serpentinite, along with some chert and graywacke. They are often found in cratons, and take their name from the appearance of their constituent rocks after low-grade metamorphism has produced minerals like chlorite.

ANSWER: **greenstone** belts

10. Schleiermacher is often called the "father" of this philosophical sub-discipline, whose major works include Hans Georg Gadamer's *Truth and Method*. For 10 points each:

[10] Name this philosophical sub-discipline dedicated to understanding the goals and means of interpretation, most often specifically the interpretation of texts.

ANSWER: philosophical **hermeneutics**

[10] Schleiermacher's ideas were extended by this late 19th century German philosopher, who attempted to critique the ideal of historical reason and to ground hermeneutics in the "facts of consciousness" through a universal principle of phenomenality in his *Introduction to the Human Sciences*.

ANSWER: Wilhelm **Dilthey**

[10] This French hermeneutic philosopher related the integration of cosmological and phenomenological perceptions of time in human experience to Aristotle's conception of narrative in his *Time and Narrative*.

ANSWER: Paul **Ricoeur**

11. Jess Oakroyd, Elizabeth Trant, and Inigo Jollifant converge on the title theatrical troupe in his novel, *The Good Companions*. For 10 points each:

[10] Name this mid-20th-century socialist English author. J.W. Dunne's theory of time inspired some of the philosophical ideas in his plays *Dangerous Corner* and *Time and the Conways*.

ANSWER: J(ohn) B(oynton) **Priestley**

[10] Priestley is best known in England for this play in which the title character, a policeman named Goole, confronts the Birling family for their culpability in the suicide of Eva Smith.

ANSWER: *An* **Inspector Calls**

[10] Priestley felt he had been defamed in the form of the character of Quin Savory in this author's novel *Stamboul Train*, leading him to sue this author. This author created Major Henry Scobie and James Wormold.

ANSWER: Graham **Greene**

12. Answer some questions about Roman mosaics, for 10 points each.

[10] The individual tiles that make up a mosaic are given this name.

ANSWER: **tesserae**

[10] The largest collection of Roman mosaics in the world can be found in this villa in Sicily, which includes the "Chamber of the Ten Maidens" and which features a mosaic titled "The Little Hunt".

ANSWER: **Villa Romana del Casale**

[10] Many prominent Roman mosaics dating from after the split of the Empire can be found in this capital of Theodoric the Great, whose mosaic-rich buildings include the Basilica of San Vitale and the Mausoleum of Galla Placidia.

ANSWER: **Ravenna**

13. The association rate of this inhibitor with its enzyme partner is extremely high, at more than $10^9 \text{ M}^{-1} \text{ s}^{-1}$ [read "ten to the ninth per molar per second"]. For 10 points each:

[10] Name this 89-amino-acid-long polypeptide. Its binding to the ribonuclease barnase prevents barnase from digesting all the RNA within the cell that produces it.

ANSWER: **barstar**

[10] Barstar and barnase are produced by the *amyloliquefaciens* member of this type of gram-positive rod-shaped bacteria. Other members of its genus include the species *subtilis* and *anthracis*.

ANSWER: **Bacillus** [accept **bacilli** based on wording]

[10] A type of analysis named for this Greek letter was first used by Alan Fersht to study the folding of barnase. In this method, the effect of point mutations on the folding transition state is determined. This letter is on the x-axis of a Ramachandran plot.

ANSWER: **phi**

14. The Chinese figure that represents this is the White Tiger. For 10 points each:

[10] Name this cardinal direction. In Greek mythology, the wind of this direction is represented by Zephyrus.

ANSWER: **west**

[10] Imsety and Qebhesenuf are among these four gods from Egyptian myth, each of whom is associated with a cardinal direction.

ANSWER: the **canopic jar guardians** [or the four **sons of Horus**]

[10] Ix, one of this group of four Mayan giants, holds up the west. These sons of Itzamna and Ixchel also include Cauac, Kan, and Mulac.

ANSWER: **Bacabs**

15. Teriade rendered 20 of these works as stencil prints to put them in the collection, *Jazz*. For 10 points each:

[10] Identify this set of images that also includes *Memory of Oceania* and its companion piece, *The Snail*, in addition to *The King's Sadness*.

ANSWER: the **cutouts** of Henri **Matisse** [or equivalents, such as **Matisse's paper cutouts**]

[10] Matisse was the leading member of this avant-garde art movement that received its name from a comment about "wild beasts" from Louis Vauxcelles.

ANSWER: **Fauvism**

[10] Matisse spent a summer in St Tropez with this artist, whose influence led to Matisse's use of divisionism in painting *Luxe Calme et Volupté*. His own works include *The Red Buoy* and *The Papal Palace, Avignon*.

ANSWER: Paul Victor Jules **Signac**

16. Answer the following about late 20th-century scandals, for 10 points each.

[10] The Tower Commission investigated this scandal, which resulted in the indictment of Defense Secretary Caspar Weinberger.

ANSWER: **Iran-Contra** scandal [accept equivalents such as "affair" in place of "scandal"]

[10] Nicknamed the "Junk Bond King," this Wall Street trader headed the high-yield bond department at Drexel Burnham Lambert until he was sold out by Ivan Boesky.

ANSWER: Michael **Milken**

[10] This Arkansas Democrat continued to chair the House Committee on Ways and Means after he was pulled over for drunk driving with Fanne Foxe, an Argentine stripper, in his car.

ANSWER: Wilbur **Mills**

17. Answer the following about King William Island, for 10 points each.

[10] The island is part of this Canadian territory, whose name means "our land" in Inuktitut.

ANSWER: **Nunavut**

[10] King William Island was the final resting place for members of this doomed British expedition, whose ships *Erebus* and *Terror* sank near the island.

ANSWER: (Sir John) **Franklin** expedition

[10] The only town on King William Island is a "haven" named for this vessel, which harbored there during Roald Amundsen's successful attempt to sail through the Northwest Passage.

ANSWER: **Gjoa** [accept **Gjoa Haven**]

18. Name these English outlaws, for 10 points each.

[10] In a 15th-century ballad, this man was credited with killing Guy of Gisborne, then disguising himself using Guy's horsehide cloak. He appears in *Ivanhoe* as "Locksley."

ANSWER: **Robin** Hood

[10] According to the D version of the Anglo-Saxon Chronicle, this man led a daring escape from William the Conqueror's siege of the Isle of Ely.

ANSWER: **Hereward** the Wake

[10] This highwayman, the leader of the Gregory Gang, was executed in 1739 for horse theft. He was said to have performed the impossible feat of riding from London to York in a single night.

ANSWER: Dick **Turpin**

19. This quantity was defined and introduced by Rudolf Clausius. For 10 points each:

[10] Name this quantity which, for a system of particles, equals the sum of the dot product of the momentum and position vectors of each particle. It appears in a namesake theorem that is commonly stated as a relation between the time-averaged kinetic and potential energies.

ANSWER: **virial** of Clausius

[10] For a spherical potential that goes as one over r , the time-averaged potential energy equals this integer times the time-averaged kinetic energy.

ANSWER: **-2** [do not prompt on "2"]

[10] The standard scalar virial theorem is the trace of the tensor virial theorem, which relates the kinetic energy tensor and Chandrasekhar potential energy tensor to this function of the moment of inertia tensor.

ANSWER: **second time derivative** [prompt on "second derivative"; do not prompt on "time derivative"; accept things like second derivative with respect to time that make it clear it's a second derivative and has to do with time]

20. His poem "Beautiful Rohtraut" begins with the line "What is King Ringang's daughter's name?", and his poem "Seclusion" begins "Let, o world, o let me be!" For 10 points each:

[10] Name this German Romantic author of "Morning Walk". The title composer is chastised by a gardener for stealing an orange and divulges premonitions of his own death in his *Mozart's Journey to Prague*.

ANSWER: Eduard (Friedrich) **Mörke**

[10] The flame of the Salieri myth was fanned by this author's play *Mozart and Salieri*. He may be better known for the novel *The Captain's Daughter* and a poem in which Lensky is killed in a duel by the title character.

ANSWER: Alexander (Sergeyevich) **Pushkin**

[10] This German author took one of the initials of his pseudonym from Mozart's middle name. He created the fictional composer Johannes Kreisler, who appeared in such novels as *The Golden Pot* and *The Life and Opinions of the Tomcat Murr*.

ANSWER: E.T.A. **Hoffmann** [or Ernst Theodor Wilhelm **Hoffmann**]

EXTRA

Answer the following about the history of convict-era Australia, for 10 points each.

[10] The First Fleet's convict settlement was established at Port Jackson, rather than this nearby harbor named for the scientific endeavours of Joseph Banks.

ANSWER: **Botany Bay**

[10] The Australian-born children of emancipated convicts were known by this term, contrasted with "sterling" or English-born settlers.

ANSWER: **Currency** [accept **Currency** lads or **Currency** lasses]

[10] This term denoted the gentry elite of colonial New South Wales, as well as a breed of Spanish-type sheep imported to the colony by John Macarthur.

ANSWER: **merino**