

PACE NSC 2011

Edited by Mike Bentley, Matt Bollinger, Rob Carson, Kyle Haddad-Fonda, Hannah Kirsch, Trygve Meade, Bernadette Spencer, Guy Tabachnick, and Andy Watkins

Packet 23

Tossups

1. **Some of the participants in this event were captured at the Arthur Allen House by troops deployed from the *Young Prince*. The first signatory to a peace treaty that followed this event was Cockacoeske, the so-called Queen of the Pamunkey. Early skirmishes in this event included the killing of Robert Hen, probably in retaliation for a debt owed by Thomas Matthew. That killing prompted a subsequent massacre of Doeg Indians. At the June Assembly, this event's namesake complained of recently added (*) property requirements for voting. John Ingram became the leader of this conflict after its namesake died of dysentery, and that leader had earlier been elected to the House of Burgesses. For 10 points, name this rebellion against Governor William Berkley in colonial Virginia.**

ANSWER: **Bacon**'s Rebellion [or **Bacon**'s Revolt or **Bacon**'s Uprising or equivalents that mention **Bacon**]

<Bentley>

2. **Sheila Coulson sparked controversy by claiming a rock sculpture of a python, discovered in this country's Tsodilo Hills in 2006, was 70,000 years old and thus the oldest extant site of human rituals. This country's economy was bolstered by a 2000 expansion of its Orapa Mine, while its first economic boom followed a gold rush in its second most populous city, Francistown. This country's government is engaged in an ongoing controversy over land and water rights with its San (*) Bushmen, and many tourists to this country see the wildlife that congregates in an endorheic basin formed where the Okavango River simply stops flowing in the middle of the Kalahari Desert. For 10 points, name this southern African country whose capital is Gaborone.**

ANSWER: Republic of **Botswana**

<Chiego>

3. **Two violins play "Row Well, Ye Mariners" as drunken sailors dance in Act II of this opera, which ends with a chorus of courtiers singing "With drooping wings, ye cupids come." A ritornello begins this opera's Grove scene, and it diverges from its source material by including witches, who hatch a plot in its Cave scene. One protagonist of this work asks her sister (*) Belinda for her hand before saying that "darkness shades me" and asking her to "Remember me, but ah, forget my fate." This opera makes extensive use of ground bass, including in its final aria, *When I am laid in earth*, its first title character's namesake lament. For 10 points, name this opera by Henry Purcell about a Roman hero's dalliance with a Carthaginian queen.**

ANSWER: **Dido and Aeneas**

<Tabachnick>

4. **The basal nucleus of Meynert contains large amounts of this substance, and antibodies destroy this substance's receptors in myasthenia gravis. Galantamine inhibits its breakdown. It has ionotropic and G protein-coupled receptors called (*) nicotinic and muscarinic, respectively. This molecule is released in pre- and post-ganglionic parasympathetic neurons, as well as at the motor end plates of skeletal muscle. A deficiency of it was proposed as a cause of Alzheimer's disease, which is treated using inhibitors of its namesake esterase. For 10 points, name this neurotransmitter that mediates neuromuscular interactions.**

ANSWER: acetylcholine [or ACh]

<Kirsch>

5. **This deity once broke a tooth off of his comb to use it as a torch. At their first courting, this god's wife spoke first after they had gone around the Heavenly Pillar, as a result of which this god fathered the Leech Child. After being told that one thousand people would die each day, this man responded that one thousand five hundred would be born. This god beheaded his son, the fire god (*) Kagutsuchi, in a rage. This owner of the *Tenkei* went to the underworld to find his wife but rejected her when he saw her polluted. He created Amaterasu out of his eye and dipped a spear into the ocean to create eight islands. For 10 points, name this Japanese creator god, the husband of Izanami.**

ANSWER: Izanagi

<Bollinger>

6. **Liberal presidents like Ismael Montes controlled this country during its switch to a tin-exporting economy, while its current president once demonstrated the difference between cocaine and its signature crop of coca by holding up a coca leaf at the U.N. That current head of state is a member of the Movimiento al Socialismo Party. In this country, while planning a coup against its liberal president Rene Barrientos, (*) Che Guevara was executed. This country lost the copper-rich territory of Antofagasta after its defeat in a war sometimes called the Saltpeter War. This nation was defeated by Paraguay in a conflict over the supposedly oil-rich Gran Chaco, and it lost its coastline in the War of the Pacific. For 10 points, name this landlocked Latin American country currently ruled by Evo Morales.**

ANSWER: Bolivia [or Plurinational State of Bolivia]

<Bollinger>

7. **A maraca beat underlies a work by this composer in which notes of a chord are held progressively longer by four organs. He set the Hebrew text of four psalms for shrill women's voices in *Tehillim*. One of his works begins and ends with eleven chords organized into pulses. Works by this composer that pair off identical sets of instruments include 2x5 and (*) *Double Sextet*. One of his pieces is divided into parts depicting America before World War II and Europe during it. That work has a string quartet mimic the rhythms of recordings of Holocaust survivors, this man's caretaker, and a former Pullman porter describing travel in the title vehicles. For 10 points, name this minimalist composer of *Music for 18 Musicians* and *Different Trains*.**

ANSWER: Stephen Michael Reich

<Kirsch>

8. When these data structures have a low stride they are stored contiguously in memory, which increases throughput. One of these objects is created after determining the min and max of the items to be sorted when implementing counting sort. A form of these objects are implemented using either row-major or column-major order, and full heaps can efficiently be stored using one of these data structures. Dynamic forms of these data structures allow for their size to be increased while still maintaining close to the (*) constant time needed to read and write from them. Multi-dimensional forms of this data structure can be used to represent matrices, and they are often iterated through using for loops. For 10 points, name this simple data structure declared using square brackets in languages with C syntax.

ANSWER: multi-dimensional arrays

<Bentley>

9. In one of this author's works, Thomas Jordan fires Baxter from his factory for throwing him down a flight of stairs. One of this author's characters abandons his wife Lottie and accompanies Rawdon Lilly to play the flute in Italy. In another of this author's novels, Gerald's relationship with Gudrun deteriorates due to his love for his friend, Birkin. This author of (*) *Aaron's Rod* and *Women in Love* wrote a novel in which Clara Dawes and Miriam Leivers fall in love with the protagonist, who cannot reciprocate due to his love for his mother Gertrude. For 10 points, name this British author, who created Paul Morel in *Sons and Lovers*.

ANSWER: D. H. Lawrence

<Bollinger>

10. The man who called this council traveled to it with this wife, Barbara of Celje, and this council created the Diocese of Samogitia. A conflict between two of the parties here was mediated by Pierre d'Ailly, who balanced the opposing viewpoints on regicide of Paulus Vladimiri and John of Falkenberg. This council condemned adherents of the Utraquist and Taborite factions. It was called by a man who succeeded (*) Wenceslaus on the throne of one nation; that man was Emperor Sigismund. This council challenged the Conciliarism that had been a large factor in the previous council. It also condemned John Wycliffe and supported Gregory XII's resignation as pope. The successor of the Council of Pisa, for 10 points, name this council that executed Jan Hus and elected Martin V as pope, effectively ending the Western Schism.

ANSWER: Council of Constance

<Austin>

11. This artist showed a hat flying off a man holding a camera in a hot air balloon in his *Nadar raising photography to the height of art*. Pablo Picasso included the title character's sidekick in a painting resembling one by this man, in which the title literary figure holds a staff and rides the white Rocinante. In another work, he showed peasants carrying food up a ramp into the mouth of a king with a (*) pear-shaped head. That lithograph depicts Louis-Philippe as Gargantua. The back of one of his paintings shows two men in top hats among several others sitting close together. On the bench in front of them are a sleeping boy, a hooded woman holding a basket, and a woman breastfeeding. For 10 points, name this French printmaker and painter of *Third Class Carriage*.

ANSWER: Honoré-Victorin Daumier

<Gaurav Kandlikar>

12. With Thomas Hertog, this physicist suggested top-down cosmology as a way to address the anthropic principle. With Jim Hartle, this physicist suggested that the universe, despite being finite, has no spacetime boundary. The association of a temperature with every solution of the Einstein field equations that contains a causal horizon is named for him and for Gibbons. The (*) trans-Planckian problem arises in considering a phenomenon predicted by this physicist; pair-production near the event horizon of a black hole, a process named for Penrose, can cause the emission of his namesake radiation. For 10 points, name this recently retired Lucasian Chair, a British theoretical physicist.

ANSWER: Stephen William Hawking

<Watkins>

13. The protagonist of this novel is moved when Montague kisses the velvet ribbon on Ada's back during a performance of "The Shaughraun." One character in this novel has a stroke after the banker Julius Beaufort is ruined in a shady Wall Street scheme. At the end of this novel, the protagonist visits Europe with his son Dallas twenty-five years after the main action of the novel. The protagonist of this novel is dominated by his wife's grandmother, the powerful Mrs. (*) Mingott. At the beginning of this novel, the protagonist is set to marry May Welland, but he falls in love with a recently arrived Polish countess. For 10 points, name this novel about Ellen Olenska and Newland Archer, written by Edith Wharton.

ANSWER: *The Age of Innocence*

<Bollinger>

14. James Frederick Ferrier introduced this term in his work *The Ontology or Theory of Being*, while Bertrand Russell distinguished between the subject of this branch of philosophy's forms of acquaintance and description. One philosopher concerned with this branch of philosophy described its subject as "justified true belief," although that was sharply refuted by Edmund (*) Gettier. Traditionally, philosophers in this field have been concerned with its propositional form, and one foundational work in this field is John Locke's *Enquiry Concerning Human Understanding*. For 10 points, name this branch of philosophy concerned with the origins and mechanics of human knowledge.

ANSWER: epistemology

<Meade>

15. This man's police force orchestrated the Prekaz massacre. Although early in his career he participated in the Yogurt Revolution, he was forced from power when the TV station he controlled was rammed with industrial equipment in the Bulldozer Revolution. This man's government was the target of Operation Allied Force. This man sought to restore his country's sovereignty over Vojvodina and he was mentored by LCS-leader (*) Ivan Stambolic, a man he'd later succeed as president. Along with Franjo Tudman and Alija Izetbegovic, he was a signatory to the 1995 Dayton Accords. His campaign against the KLA and ethnic Albanians in his country prompted a response from NATO in 1999. For 10 points, name this former President of Serbia whose policy of ethnic cleansing caused his country to be invaded during the Kosovo War.

ANSWER: Slobodan Milosevic [or Slobodan Milosheвич]

<Bentley>

16. One enzyme critical for the function of these molecules has a monomeric and a dimeric class, the latter of which targets these molecules' adenosine 76. A CCA tail is added during processing to the 3' ("three prime") end of these structures, which pairs with its 5' ("five prime") end to form an acceptor stem. Their D arm functions as a recognition site for an (*) aminoacyl synthase key to their function. They can possess pseudouridine or inosine in their anticodons, which permits wobble pairing; the anticodon is located on one loop of these molecules' cloverleaf structure. For 10 points, name these molecules that bring amino acids to ribosomes to be added to a growing polypeptide chain during translation.

ANSWER: tRNA [or transfer RNA; prompt on RNA]

<Kirsch>

17. One poem from this collection begins "Andromache, I think of you!", linking a recent renovation to the fall of Troy. The speaker of another poem from this collection asks his love to accompany him to a country where "restraint and order bless / luxury and voluptuousness." This collection contains "The Swan" and "Invitation to the Voyage," as well as a poem that repeatedly asks "Have pity on my long despair!", "The (*) Litanies of Satan." The foreword to this collection describes a figure who "dreams of the gallows in the gaze of his hookah," "Ennui!" before sharply addressing the "Hypocrite reader!" For 10 points, name this collection containing the sections "Revolt" and "Spleen and Ideal," a Symbolist work by Charles Baudelaire.

ANSWER: *Les Fleurs du Mal* [or *The Flowers of Evil*]

<Bollinger>

18. This figure apocryphally defended Jesus during his arrest by cutting off the ear of one of the Roman soldiers arresting him. During one Pentecost, this figure proclaimed the arrival of the Holy Spirit and gave an open-air sermon, and he was rescued from imprisonment by Herod by an angel. Traditionally depicted holding keys in his left hand, this saint, along with Paul, was the focus of the (*) Book of Acts, and he died by being crucified upside-down because he considered himself unworthy to die as Jesus had. For 10 points, name this figure who denied Christ three times after the Garden of Gethsemane, the leader of the Apostles who is considered to be the first pope.

ANSWER: Saint Peter

<Meade>

19. Recent work on this theory suggests that most Asian markets are too vulnerable to manipulation for it to hold true. The Behavioral Finance finding that people engage in hyperbolic discounting suggests that this statement isn't applicable to most markets. The weak form of this theory asserts that all past market prices and data are fully reflected in securities prices, while the strong form argues that all information is reflected. For 10 points, identify this economic theory developed by Eugene Fama.

ANSWER: efficient markets hypothesis

<Meade>

20. In one poem, this man called himself “the least of all poets,” just as Cicero is “the greatest of all lawyers.” Another of this author’s poems asks the “waves of the Lydian lake” to “laugh whatever laughter there is” after addressing the “jewel of peninsulas,” Sirmio. One of this man’s poems begins “Let us live and let us love!”, while another is an adaptation of (*) Sappho’s “He seems to me equal to the gods.” This man wrote two poems concerning his lover’s pet sparrow and another about going to his brother’s funeral rites, which ends “Hail and Farewell!” 10 points, name this Silver Age poet who addressed a number of works to Lesbia.

ANSWER: Gaius Valerius Catullus

<Bollinger>

21. Some 200,000 people gathered at the Happy Valley Race Course to mourn this event. A rallying point during this event was a recreation of the Statue of Liberty made by students at the Central Academy of Fine Arts. Participants were attacked for being involved in an “organized conspiracy to sow chaos” in an April 27th editorial in the *People’s Daily*. This event hurt the popularity of a leader who had earlier advocated the “one country, two systems” policy. This event coincided with the first state visit to the country from (*) Mikhail Gorbachev. It was sparked by the death of Hu Yaobang, and this event prompted Li Peng to declare martial law. Jeff Widener took a famous photograph of “Tank Man” during this event. For 10 points, name this 1989 student protest against the Chinese government in a namesake Beijing locale.

ANSWER: Tiananmen Square protests of 1989 [or Tiananmen Square massacre of 1989; or Tiananmen Square incident; or June Fourth Incident; or 6/4 Incident; prompt on Beijing Massacre or Beijing Spring]

<Bentley>

22. In one poem, this man described a woman’s “naked arms” whirling like “startled rattlesnakes” after she flickers like a “kitchen match... and suddenly, it is completely fire.” This poet of “The Spanish Dancer” wrote about a creature that “paces in cramped circles,” seeing (*) “a thousand bars, and behind the bars, no world” in one of his “thing-poems.” This man also described a “dark center where procreation flared” in a poem that ends, “You must change your life.” This author of “The Panther” and “Archaic Torso of Apollo” asked, “Who, if I cried out, would hear me among the angelic orders?” in the first of ten poems titled after a castle near Trieste. For 10 points, name this German poet of the *Duino Elegies*.

ANSWER: Rainer Maria Rilke [or René Karl Wilhelm Johann Josef Maria Rilke]

<Bollinger>

23. **This mathematician gives his name to a type of surface which is intersected exactly once by every non-spacelike curve. One theory named for him states that three-dimensional convex polytopes with congruent corresponding faces must be congruent to each other. Like Lagrange, he gives his name to a form of the remainder in the statement of (*) Taylor's theorem. He names a weaker condition equivalent to convergence for a real sequence but weaker for the complex numbers. He showed that the path integral of a holomorphic function over a closed path is zero, his namesake integral theorem. For 10 points, name this prolific French mathematician who names the statement that the absolute value of $x \cdot y$ is less than or equal to the product of the norms of x and y along with Schwarz.**

ANSWER: Augustin-Louis **Cauchy**

<Nediger>

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Bonuses

1. The three purposes of the title figure of this lecture were to investigate and to understand nature, to study the “mind of the past, and to take action and to interact with the world.” For 10 points each:

[10] Name this lecture that Oliver Wendell Holmes described as an American “Intellectual Declaration of Independence.”

ANSWER: *The American Scholar*

[10] Name the American philosopher who gave that lecture at the Harvard Divinity School. He was later jailed for refusing to pay taxes to support the Civil War.

ANSWER: Ralph Waldo Emerson

[10] Emerson may be better known for writing this essay that urged Americans toward active independence.

ANSWER: “Self-Reliance”

<Meade>

2. Answer these questions about combinatorics for 10 points each.

[10] One basic operation in combinatorics is finding the number of permutations of n objects. That number is equal to this function, which multiplies n by all integers between 1 and n .

ANSWER: factorial [or gamma function]

[10] Graph theory, one subset of combinatorics, frequently studies these paths that visit each vertex of a graph exactly one time. They are named for the British inventor of quaternions.

ANSWER: Hamiltonian paths

[10] This set of numbers has many combinatorial applications. Named for a Belgian, the n th of these numbers is given by 1 over quantity n -plus-1 times $2n$ choose n , or by $2n$ factorial over quantity n plus 1 factorial n factorial. The first six are 1, 1, 2, 5, 14, and 42.

ANSWER: Catalan numbers

<Jackson>

3. In this film, the American Patricia, played by the short-haired Jean Seberg, sells the New York Herald Tribune. For 10 points each:

[10] Name this film in which the wannabe gangster Michel Poiccard gets shot after killing a policeman. Its fast pacing is due in part to its frequent jump cuts.

ANSWER: Breathless [or À bout de souffle]

[10] *Breathless* and François Truffaut's *The 400 Blows* are exemplars of this country's "New Wave." More recent films made in this country include *Amélie*.

ANSWER: France [or French Republic; or République française]

[10] This director created *Breathless* and cast Eddie Constantine and Anna Karina in *Alphaville*, a bizarre science fiction film set in a postmodern Paris.

ANSWER: Jean-Luc Godard

<Gupta>

4. Answer some questions about a hero from the *Iliad* for 10 points each.

[10] This king of Argos wounds Aphrodite while in hot pursuit of Aeneas. This son of Tydeus later escapes being sacrificed by Lycus when Callirhoe saves him.

ANSWER: Diomedes

[10] In one story, Diomedes helps bring this son of Achilles who sacrifices Polyxena from Skyros to Troy to fight for the Greeks.

ANSWER: Neoptolemus [or Pyrrhus]

[10] Diomedes killed this king of Thrace in his sleep and stole his horses, since Troy would never fall if this man's horses drank from the Xanthus.

ANSWER: Rhesus [or Eioneus]

<Bollinger>

5. These people were frequently employed in nineteenth-century London as chimney sweeps, while today, those in the Philippines are employed to make garments and shoes. For 10 points each:

[10] Name this form of cheap labor.

ANSWER: child laborers [accept reasonable equivalents like "children"]

[10] This Victorian social commentator wrote about the desirability of employing children as chimney sweeps in one of his books. He wrote *Past and Present* and *Sartor Resartus*.

ANSWER: Thomas Carlyle

[10] Child labor was upheld in the United States based on the "freedom to contract" in this Supreme Court case.

ANSWER: Hamer vs. Dagenhart

<Meade>

6. These structures may be found by searching for local maxima on reaction free energy surfaces. For 10 points each:

[10] Name these structures, also called activated complexes, which are modeled as having all half-formed and half-broken bonds.

ANSWER: transition state

[10] The energy of the transition state more closely resembles the species to which it is closer in energy, according to this principle.

ANSWER: Hammond-Leffler postulate [or Hammond's postulate]

[10] Hammond, Leffler, Bell, Polanyi, Thornton, and this man are often singled out for their contributions to reaction kinetics. This chemist is best known for his namesake comprehensive theory of outer sphere electron transfer.

ANSWER: Rudolph Arthur Marcus

<Watkins>

7. English examples of this genre, many of which were translated straight from Italian, include “Fair Phyllis,” and Thomas Morley composed many. For 10 points each:

[10] Name this form of secular unaccompanied vocal composition, which often used word-painting. Claudio Monteverdi wrote nine books of them.

ANSWER: madrigal

[10] Unlike the madrigal, this unaccompanied monophonic vocal music was liturgical in nature. Pope Gregory I codified the most popular form of it, which is now named for him.

ANSWER: plainchant [or plainsong]

[10] This polyphonic form generally consisted of a second melody, the duplum, sung above the plainchant. A book of these by the Notre-Dame school was probably written by Léonin. Parts of this form eventually developed into the motet.

ANSWER: organum

<Gupta>

8. The last poem in this collection begins, “In one salutation to thee, my God, let all my senses spread out and touch this world at thy feet.” For 10 points each:

[10] Name this 1913 poetry collection with a preface by W. B. Yeats.

ANSWER: Gitanjali [or Song Offering]

[10] *Gitanjali* was written by this poet, the first Asian to win the Nobel Prize in Literature.

ANSWER: Rabindranath Tagore

[10] In this novel by Tagore, the political activist Sandip convinces Bimala to steal money from her husband, Nikhil.

ANSWER: *The* Home and the World [or Ghare Baire]

<Nediger>

9. This religious practice involves blending beliefs from one or more contradictory faiths into a coherent new whole. For 10 points each:

[10] Name this practice that, for example, explains the adoption of the Pagan Eostre festival as the date for the Christian Easter.

ANSWER: **syncretism**

[10] One syncretic religion is this one from Vietnam, which blends Catholic teachings with worship of saints like Jules Verne.

ANSWER: **Cao Dai**

[10] Another syncretic religion is this Syrian sect of Islam that blends Gnosticism with more traditional Islamic teachings.

ANSWER: **Druze**

<Meade>

10. A transverse example of this quantity emerges as the result of a magnetic field perpendicular to a current in the Hall effect. For 10 points each:

[10] Name this quantity, the energy per charge required to move charge along a path, also called potential difference.

ANSWER: **voltage**

[10] These devices, prominently featuring a model numbered 741, are named for their ability to produce a voltage several hundred thousand times the input voltage magnitude.

ANSWER: **operational amplifiers**

[10] This process controls the gain of the op-amp. This process sees a system's output act to oppose the input, stabilizing and limiting the output. It's common in the endocrine system.

ANSWER: **negative feedback**

<Watkins>

11. He was inspired by the assassination of President Garfield to develop a probe that used sound to search for metal in soldiers, which helped save lives before the discovery of X-rays. For 10 points each:

[10] Identify this man whose most notable creation led to a patent dispute lawsuit against Elisha Gray.

ANSWER: Alexander Graham **Bell**

[10] Besides inventing the telephone, Bell also spent time working with the deaf. One of his most famous students was this woman, whose other teacher, Anne Sullivan, is the title person in *The Miracle Worker*.

ANSWER: Helen Adams **Keller**

[10] One of the earliest public demonstrations of Bell's telephone came at an 1876 exhibition held in this city, which opened when a giant Corliss Steam Engine was turned on. In the 1970s, its mayor was a controversial Democrat named Frank Rizzo.

ANSWER: **Philadelphia**

<Bentley>

12. One play about this man opens when the eleven-year-old Andrea [*ahn-DREY-ah*] informs him he's failed to pay the milkman; later, in his old age, he asks Andrea to smuggle his book out of the country. For 10 points each:

[10] Name this man who, in that play, buys a "funny tube" before telling Sagredo that he has "abolished Heaven."

ANSWER: **Galileo** Galilei [That play is *The Life of Galileo*.]

[10] In this work by the author of *The Life of Galileo* and Margarete Steffin, Eilif gets recruited for the Thirty Years' War, during which Swiss Cheese and Katrin are shot and the first title figure profiteers from her wagon of merchandise.

ANSWER: **Mother Courage and Her Children** [or **Mutter Courage und ihre Kinder**]

[10] This German theorized about the distancing effect of "epic theater" and penned *The Caucasian Chalk Circle* along with *The Life of Galileo* and *Mother Courage and Her Children*.

ANSWER: Bertolt **Brecht**

<Jackson>

13. For 10 points each, name these artists who painted violent scenes.

[10] This early proponent of perspective showed many yellow spears in all three scenes of his *Battle of San Romano*.

ANSWER: Paolo **Uccello**

[10] A man in red stands above the steps of a temple watching the main scene in this artist's *Rape of the Sabine Women*. In another work, he showed a bunch of shepherds standing around a tombstone pointing at the title inscription.

ANSWER: Nicolas **Poussin**

[10] This artist made four paintings and a lithograph showing the execution of emperor Maximilian. His more peaceful works include *The Luncheon on the Grass* and *Olympia*.

ANSWER: Édouard **Manet**

<Tabachnick>

14. These cancers are defined as malignant because they breach the epithelial basement membrane. For 10 points each:

[10] Name this type of cancer that originates from epithelial cells, as opposed to connective tissue or other mesodermal tissues.

ANSWER: **carcinoma**

[10] The most common carcinoma of this gland is a type of benign tumor called a prolactinoma that, as its name implies, constitutively secretes prolactin. Other hormones this gland secretes are vasopressin, thyroid-stimulating hormone, and human growth hormone.

ANSWER: **pituitary** gland

[10] This other hormone of the pituitary gland stimulates the production of cortisol, as well as aldosterone and androgens.

ANSWER: **ACTH** [or **adrenocorticotropic** hormone; or **corticotropin**]

<Kirsch>

15. His son Cimon won a large victory for the Delian League at Pamphylia. For 10 points each:
[10] Identify this man best known for winning a battle. Pheidippides legendarily broke the news of the victory to Athens.

ANSWER: Miltiades the Younger

[10] The Spartans lost control of the Delian League following the abuses of the Spartan general Pausanias, a nephew of this king. This king died fighting the Persians at Thermopylae.

ANSWER: Leonidas I

[10] The Delian League dispatched troops to overthrow Persian control in this polity, which fell under a different foreign yoke with the defeat of Nectanebo II. The Bucolic War was fought against Roman rule here, and Arius was a priest in one of its cities.

ANSWER: Egypt

<Bentley>

16. The title character of this novel admires Adolf Hitler's leadership when she goes on a trip to Austria. For 10 points each:

[10] Name this novel in which the title character has a love affair with Gordon Lowther while in love with Teddy Lloyd from afar. The title character of this novel is betrayed by Sandy Stranger, who becomes Sister Helena of the Transfiguration.

ANSWER: *The Prime of Miss Jean Brodie*

[10] *The Prime of Miss Jean Brodie* was written by this author of *The Ballad of Peckham Rye*. She satirized the Nixon administration and Watergate in *The Abbess of Crewe*.

ANSWER: Muriel Spark

[10] Miss Brodie inspires Joyce Emily to go participate in this war, where she dies. This war is also the setting of Hemingway's *For Whom the Bell Tolls*.

ANSWER: the Spanish Civil War

<Bollinger>

17. In March 2011, documents leaked by WikiLeaks showed that local politicians in this country told the American government the going rate for bribing opposition politicians was \$2.2 million. For 10 points each:

[10] Name this country where Anna Hazare has led supporters of the anti-graft Jan Lokpal bill.

ANSWER: Republic of India

[10] India's current prime minister, Manmohan Singh, is a member of this party, whose reputation has been particularly tarnished by corruption scandals. This is also the party of Sonia Gandhi, as well as Indira Gandhi and Jawaharlal Nehru.

ANSWER: Indian National Congress [or INC]

[10] The Indian National Congress is opposed by this leading opposition party in India whose last prime minister was Atal Bihari Vajpayee.

ANSWER: Bharatiya Janata Party [or BJP]

<Haddad-Fonda>

18. One monarch of this name liked to dine at the houses of private citizens to save the state money and created the Potsdam Guard of extremely tall troops. For 10 points each:

[10] Identify this compound regal name of the Soldier King and three others from the Hohenzollern line.

ANSWER: **Frederick William** [do not accept or prompt on “Frederick,” as that’s a different regal name]

[10] An earlier Frederick William was not a monarch but instead held this office in Brandenburg. Men in Saxony and Palatine also held this post, the holder of which was responsible for choosing the next Holy Roman Emperor.

ANSWER: Prince-**Elector** of the Holy Roman Empire [or **Kurfurst**; or **Kurfursten**; or Princeps **Elector**]

[10] Frederick William II personally led troops in the War of the First Coalition, a war that included fighting at this battle. This victory for Charles-Francois Dumouriez was the first major military success following the levée en masse.

ANSWER: Battle of **Valmy**

<Bentley>

19. From the sixteenth to nineteenth centuries, the regent of this city was known as the Dey, and this city was bombarded by Lord Exmouth in 1816. For 10 points each:

[10] Identify this African city, which fell to troops sent by the government of Charles X in 1830.

ANSWER: **Algiers**

[10] This other North African city was the site of the a raid by Stephen Decatur that set the *USS Philadelphia* on fire in 1804. That deed on the shores of this city is recounted in the “Marines’ Hymn.”

ANSWER: **Tripoli**

[10] Earlier, a group of Barbary Pirates was led by two brothers serving under Suleiman the Magnificent who were given this surname by Europeans. An emperor with this epithet was opposed by the Lombard League.

ANSWER: **Barbarossa** [or **Red Beard**]

<Bentley>

20. In one poem, this man wrote of how “one must have a mind of winter” to contemplate the title “Snow Man.” For 10 points each:

[10] Name this American poet who also wrote “13 Ways of Looking at a Blackbird.”

ANSWER: Wallace **Stevens**

[10] The seventh section of this Stevens poem describes how a “ring of men/shall chant in orgy...their boisterous devotion to the sun.” It describes a woman in a “sunny chair” enjoying the “complacencies of the peignoir” while staying home from church.

ANSWER: “**Sunday Morning**”

[10] One stanza of this poem asks Ramon Fernandez why the “glassy lights ... mastered the night and portioned out the sea.” It opens, “She sang beyond the genius of the sea.”

ANSWER: “The **Idea of Order at Key West**”

<Bollinger>

21. This poem introduces the terms “Galaxy” and “Milky Way.” For 10 points each:

[10] Name this dream poem that begins with a vision of Dido and Aeneas in the Temple of Glass, and whose third book ends following the appearance of the Man of Great Authority.

ANSWER: *The House of Fame*

[10] This other work by the author of *The Book of the Duchess* tells of a group of Jews who murder a young virtuous Christian child, leading to a massacre of the Jews in the town.

ANSWER: “The Prioress’s Tale” [prompt on “Canterbury Tales”]

[10] “The Prioress’s Tale,” along with stories told by a knight, a miller, and the Wife of Bath, is found in this author’s *The Canterbury Tales*.

ANSWER: Geoffrey Chaucer

<Cohen>

22. This man’s brother Svyatopolk the Accursed killed three of his other brothers before coming to power. For 10 points each:

[10] Identify this eleventh-century Slavic ruler who built the Golden Gate and Cathedral of St. Sophia. His law code earned him the epithet “the Wise.”

ANSWER: Yaroslav the Wise [or Yaroslav I; or Yaroslav Mudry]

[10] Yaroslav the Wise, much like Vladimir the Great, was a leader of an empire which shared its capital with that of this modern-day nation. This country witnessed the Orange Revolution in 2004, which brought Viktor Yushchenko to power.

ANSWER: the Ukraine

[10] Vladimir the Great and the other rulers of Kievan Rus were members of this dynasty, which was founded by its namesake in 862. Later member of this dynasty included Ivan the Terrible.

ANSWER: Rurikids [or Rurikid dynasty]

<Nediger>

23. Experiments claiming to have conducted this process at room temperature have been found to have been fraudulent. For 10 points each:

[10] Name this process by which multiple atomic nuclei merge into larger nuclei, releasing energy.

ANSWER: nuclear fusion

[10] An essential component of fusion research is plasma confinement. This early confinement device runs an electrical current through a linear tube of plasma, and the resulting magnetic field compresses the plasma.

ANSWER: z-pinch [or zeta-pinch; or linear pinch]

[10] These devices use powerful magnets to confine plasma in a torus. Developed by Igor Tamm and Andrei Sakharov, they offer stability advantages over pinches.

ANSWER: tokamak

<Watkins>