

## **Bulldog High School Academic Tournament 2020 (XXIX): scary vibes**

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### **Packet 5 Tossups**

1. **In this novel, a character overhears an enemy’s plans while disguised as a beaver, while another character dons a bear costume to escape from a cave. In this novel, a character uses the rifle “Kildeer” to defend a cave behind a waterfall. David Gamut is a singing teacher in this novel, in which General Montcalm displays an intercepted letter from General Webb. In this novel, (\*) Colonel Munro’s daughters, Cora and Alice, are captured by the revenge-seeking Magua, despite the efforts of their escort Natty Bumppo. Chingachgook is the title character of—for 10 points—what novel from the *Leatherstocking Tales* series by James Fenimore Cooper?**

ANSWER: *The Last of the Mohicans* <MK>

2. **Leo of Ohrid helped provoke this event by sending a letter to John of Trani that attacked his use of *azyma*. The Second Council of Lyon and the Council of Florence attempted to resolve this event. Disputes that caused this event included controversies over the “Pentarchy,” the *filioque* [fih-lee-oh-kway] clause, and the use of (\*) unleavened bread in the Eucharist. During this event, Humbert of Silva Candida formally excommunicated Michael Cerularius in the Hagia Sophia. In 1964, Patriarch Athenagoras I and Pope Paul VI lifted the anathemas caused by this event. For 10 points, name this 1054 schism in which the Eastern Orthodox and Roman Catholic churches split.**

ANSWER: **Great Schism** [accept **East-West Schism**; accept **Schism of 1054**; prompt on **Schism**; do not accept or prompt on “Western Schism”] <MK>

3. **A leader of this country claimed that “the quiet [citizens] have won a great victory tonight” following a recent election win. In 2019, this country’s asylum detention center at Manus was closed. This country is the world’s largest exporter of coal. The leader of this country was criticized because he (\*) vacationed in Hawaii during an ecological crisis; that leader is Scott Morrison. A recent tennis tournament in this country was nearly canceled because of lingering smoke. For 10 points, name this country in Oceania where wildfires have devastated local fauna, killing kangaroos and koalas.**

ANSWER: Commonwealth of **Australia** <MK>

4. **This material is employed by the Rajshahi Division in Bangladesh to make *saris*. A technique employing this material was used to create 25 color and 25 black-and-white images of a shot from *Niagara*. A prayer book was created from this material using the Jacquard (\*) loom. Andy Warhol used a medium named for *this* material to create screen printed images of Marilyn Monroe. Before usage of paper became common, Chinese calligraphers often wrote on this material. For 10 points, name this luxury fabric that is created from the cocoons of its namesake worms.**

ANSWER: **silk** [accept **silk** screening] <HK>

5. **This god disguised himself as Leucothoe's mother in order to enter her room and seduce her. This god's daughters Lampetia and Phaethusa inhabited the island of Thrinacia, where they took care of this god's herds. This god reported the affair of Ares and Aphrodite to Hephaestus. A son of this deity fell into the Eridanus River after Zeus struck him with a lightning bolt; earlier, that son had turned (\*) Africa into a desert while driving this god's chariot. Led by Eurylochus, Odysseus' men ate the sacred cattle belonging to this god, whom Hellenistic authors often conflated with Apollo. For 10 points, name this father of Phaethon, the Greek god of the sun.**

ANSWER: **Helios** [or **Helius**] <MK>

6. **Sodium hydroxide is produced from aqueous sodium chloride by use of this process, and use of this process on lye and potash allowed for the first isolations of sodium and potassium, respectively. A mixture of cryolite and alumina undergoes this process to purify aluminum in the (\*) Hall–Heroult process. This process is governed by two laws named for Faraday, the first of which posits that the chemical deposition resulting from this process is directly proportional to the charge applied. This process produces oxygen and hydrogen gas when applied to water. For 10 points, name this process which splits molecules using an electric current.**

ANSWER: **electrolysis** [accept word forms like **electrolyze**; accept **electrorefining**] <MP>

7. **This figure is given the Qur'anic titles of *Sajidah* and *Rakiyah*, the latter of which may be the reason Muslims perform *ruku'* during *salat*. This figure replied "it is from Allah" when asked about the source of some perpetually replenishing fruit. The third surah of the Qur'an is named for this figure's father Imran, and the nineteenth surah is named for this (\*) woman, the only woman explicitly named in the Qur'an. The angel Jibreel appeared to this woman to bear news of her impending pregnancy, an event called the Annunciation, after which this woman withdrew to the desert to bear her child. For 10 points, name this virgin mother of the Prophet Isa, who is also called Jesus.**

ANSWER: **Maryam** [or the Virgin **Mary**] <HK>

8. **An author from this country compiled the *Dictionary of Received Ideas* to ridicule the clichés of the middle class. A series of twenty novels from this country is subtitled "Natural and social history of a family." In a novel from this country, a servant's leg is amputated after a country doctor botches a surgery for his clubfoot. A novel from this country depicts a (\*) coal miners' strike and is titled *Germinal*. In a novel from this country, Charles dies of a broken heart when he learns of his deceased wife's affairs with Rodolphe and Léon. For 10 points, name this country home to Émile Zola and the author of *Madame Bovary*, Gustave Flaubert.**

ANSWER: **France** <MGS>

9. **This process is inhibited by the diphtheria toxin, which attaches ADP-ribose to a modified histidine residue on eEF2, a protein that regulates this process. Recognition of a Kozak sequence in eukaryotes or base-pairing of a Shine–Dalgarno sequence to a 16S subunit in prokaryotes initiates this process. Inosine facilitates the (\*) wobble base pairing critical for this process. During this process, elongation and release factors hydrolyze GTP to aid translocation of cloverleaf-shaped molecules from the A, P, and E sites. Those tRNAs match their anticodons to mRNA codons during this process. For 10 points, name this process in which ribosomes read mRNA to synthesize proteins.**

ANSWER: **translation** [prompt on **peptide synthesis** or **protein synthesis** before "peptide"] <HK>

10. A slow étude from this country begins with eighth notes going up a C-sharp-minor scale to G-sharp, then jumping up to C-sharp. A composer from this country included a synaesthesia-inspired part for “color organ” in his symphony *Prometheus: The Poem of Fire*. Another composer from this country inverted an A-minor theme in the D-flat-major eighteenth variation of a piece for piano and orchestra. That composer from this country imitated the sound of (\*) bells in his second piano concerto and his C-sharp-minor prelude, and wrote a *Rhapsody on a Theme of Paganini*. For 10 points, name this home country of Alexander Scriabin and Sergei Rachmaninoff.

ANSWER: Russia [accept Russian Empire] <JW>

11. A founder of the organization GMHC resigned after demanding more action on this event. Victims of this event are commemorated in the world’s largest piece of community folk art, the “NAMES Project” memorial quilt. The Air Canada flight attendant Gaëtan Dugas is profiled in Randy Shilts’ book *And The Band Played On*, which chronicles this event. Larry (\*) Kramer founded ACT-UP in an attempt to end this event. The death of the actor Rock Hudson increased awareness of this event, as did the retirement of Magic Johnson. For 10 points, name this epidemic caused by the transmission of the virus HIV.

ANSWER: AIDS epidemic [or HIV epidemic before mentioned; accept synonyms for “pandemic” or “crisis” in place of “epidemic”] <JS>

12. This woman allows centaurs to carry off a villainous government official, and captures and blackmails a journalist who slandered her. A mentor bequeaths this woman a book of children’s stories written in runes. This woman accuses one friend of having the “emotional range of a (\*) teaspoon.” This woman calls a bully “foul” and “evil” after slapping him across the face; that blond man was the first to insult her “dirty blood.” A friend of hers once commented that this witch “needs to get her priorities straight” after she said he could’ve gotten them “killed, or worse, expelled!” For 10 points, name this Muggle-born “brightest witch of her age” from *Harry Potter*.

ANSWER: Hermione Granger [accept either name] <HK>

13. In a work of this type named for Flammarion, a man sticks his head through the sky and perceives the cosmic machinery behind it. Death surprises people going about their daily lives in *Dance of Death*, a Holbein the Younger series utilizing this art form. In another work of this type, a skull sits on the windowsill in a study where a lion lies beside a sleeping dog. An anatomically inaccurate (\*) *Rhinoceros* was also depicted in a work of this kind by the artist of *Saint Jerome in His Study*. *Knight, Death, and the Devil* is another work in this medium by Albrecht Dürer. For 10 points, name this art form, in which carved blocks are used to transfer ink to paper.

ANSWER: prints [accept more specific answers like woodcuts and engravings] <JW>

14. A chapter titled “The Descent” opens a book called *The People of the Abyss*, about the life of this city’s poor. This city endured the “Great Stink” when hot weather overwhelmed its sanitation system. The name of an insane asylum in this city is the source of the word “bedlam.” John Snow discovered that the Broad Street Pump was the source of a (\*) cholera outbreak in this city. In his diary, Samuel Pepys [“peeps”] chronicled a plague and a fire that affected this city in 1666. The Whitechapel Murders occurred in this city, whose neighborhoods include Fulham and Paddington. Jack the Ripper operated in—for 10 points—what capital of England?

ANSWER: London <MK>

15. **Operators evolve in time as state vectors remain fixed in this scientist’s “picture” of physics. This scientist imagined a microscope that observes an electron by bombarding it with photons and argued that the scattering of photons would interfere with the observation. This man’s attempts to describe the spectral lines of hydrogen using (\*) non-commuting operators won him the 1932 Nobel Prize in Physics. This inventor of the matrix formulation of quantum mechanics posited that an object’s position and momentum cannot both be known to arbitrary precision. For 10 points, name this German physicist who proposed an “uncertainty principle.”**

ANSWER: Werner Karl Heisenberg <SE>

16. **This concept is described as a “routine accomplishment embedded in everyday action” in an essay entitled “Doing [this concept]” by West and Zimmerman. In *Daybreak*, Nietzsche suggests that describing acts in moral terms is just as arbitrary as assigning this property to objects like the sun. The argument that this concept is a kind of performance was put forth in a book entitled [this concept] *Trouble*, by Judith (\*) Butler. Among theorists of this concept, the idea that this property occurs on a spectrum has largely replaced the traditional notion that this property is binary. For 10 points, name this concept often contrasted with biological sex.**

ANSWER: gender [do not accept or prompt on “sex”] <JW>

17. **In a novel by this author, Chrissie and Rodney convince an acquaintance to go to Norfolk to see a woman they think is her “possible.” That novel by this author is titled after a song on the album *Songs After Dark* by the fictional artist Judy Bridgewater. One of this author’s protagonists recalls how his former employer hosted Herr von Ribbentrop and studies “banter” to adapt to his new employer, Mr. (\*) Farraday. That one of this author’s protagonists takes a “motoring trip” during which he recalls his relationship with Lord Darlington. This author wrote about Ruth and Tommy, both organ-donor clones. For 10 points, name this author of *Never Let Me Go* and *The Remains of the Day*.**

ANSWER: Kazuo Ishiguro <MK>

18. **In thermodynamics, pairs of variables described by this term, such as pressure and volume, act as generalized “forces” and “coordinates.” A system of connected *p*-orbitals with delocalized electrons is denoted by this term; a common example of such a system is a ring or chain of carbon atoms with alternating single and double bonds. Multiplying a complex number by (\*) another complex number denoted by this term yields the magnitude squared; in particular, the “this term” of *a* plus *bi* is equal to *a* minus *bi*. For 10 points, name this term, which describes the relationship between an acid and the base it yields when it loses a proton.**

ANSWER: conjugate [accept word forms like conjugated, conjugation, or conjugacy] <JW>

19. **One poem declares that “You shall love [this concept], which is the shadow of God over the universe”; that poem is Gabriela Mistral’s “Decalogue of the Artist.” The speaker of an Emily Dickinson poem “died for” this concept, and a poem beginning “Glory be to God for dappled things” by G. M. (\*) Hopkins is titled for a “Pied” example of this concept. “All that’s best of dark and bright / meet in the aspect” of a woman who “walks in [this concept]” in a poem by Lord Byron. For 10 points, name this concept John Keats claimed “is truth” in his “Ode on a Grecian Urn.”**

ANSWER: beauty <HK>

20. **After reaching this location, a man wrote in his diary “Great God! This is an awful place and terrible enough for us to have laboured to it without the reward of priority.” While returning from this place, a gangrene-infested man committed suicide to save his companions, saying, “I am just going outside and may be some time.” The ships *Fram* and (\*) *Terra Nova* were used in attempts to reach this place. Men led by Robert Falcon Scott reached this location five weeks after an expedition that left behind a tent and a Norwegian flag. Roald Amundsen led the first expedition to—for 10 points—what southernmost location on Earth?**

ANSWER: geographic South Pole [prompt on Antarctica] <MK>

*Tiebreaker*

**A mutation in the NPVY sequence of the receptor of a low density transporter of this molecule leads to failure of receptor-mediated endocytosis of this molecule. Tuberculosis prevents macrophages from pumping out excess of this compound, leading to foam cell formation. Inhibitors of HMG-CoA reductase, otherwise known as (\*) statins, are prescribed to control high levels of this substance. Lipid rafts within cell membranes are largely composed of this compound, which serves as a membrane “fluidity buffer.” This compound is transported by LDL and HDL. For 10 points, name this precursor to steroid hormones known for its role in atherosclerosis and heart disease.**

ANSWER: **cholesterol** <HK>

## Bonuses

1. At the 2013 Rossini Festival in Pesaro, Graham Vick exploded one of these objects to mark a significant event, before which the central character sings *Sois immobile* to Jemmy. For 10 points each:

[10] Name this red fruit. In Rossini's *William Tell*, Gesler forces the title character to shoot this fruit off his own son's head after he refuses to bow to a hat.

ANSWER: **apple**

[10] Unconfident in his own ability, the protagonist of this opera casts magic bullets with Satanic help. The Wolf's Glen scene helped cement this opera's place in the German Romantic tradition.

ANSWER: *Der **Freischütz*** [accept *The **Marksman*** or *The **Freeshooter***]

[10] A character from *The Pirates of Penzance* boasts he is "the very model of" the "modern" one of these military officers, saying he can discern a rifle from a javelin and know "vegetable, animal, and mineral."

ANSWER: a modern **Major-General** <AY>

2. This woman's son Martín was known as "the Mestizo." For 10 points each:

[10] Name this woman who served as the translator and mistress of the *conquistador* Hernán Cortés. This woman is considered to be the basis for the legend of La Llorona.

ANSWER: **La Malinche** [accept Doña **Marina**]

[10] Forces under Hernán Cortés caused the fall of this empire, which built floating gardens called *chinampas* at Tenochtitlan. Moctezuma II was a ruler of this empire.

ANSWER: **Aztec** Empire [or **Aztec** Triple Alliance; accept but **do not otherwise reveal Nahuatl**]

[10] The Aztecs and La Malinche spoke this language, which is now primarily spoken by inhabitants of La Huasteca in Mexico.

ANSWER: **Nahuatl** <ZA>

3. Answer some questions about languages spoken throughout the Jewish diaspora, for 10 points each:

[10] Ashkenazi Jews once commonly spoke this language, which evolved from a fusion of Hebrew, Aramaic, and Germanic languages in the Middle Ages.

ANSWER: **Yiddish**

[10] Jews who hailed from the Iberian Peninsula are known by this general name. Most of these Jews spoke Ladino, which is also called Judeo-Spanish.

ANSWER: **Sephardic** Jews [or **Sephardim**]

[10] Most Sephardim now inhabit Israel. This is also the case for the "Mountain Jews of the Caucasus," who primarily emigrated from this country, bringing the Judeo-Tat language with them.

ANSWER: **Azerbaijan** <DR>

4. The Chilean feminist collective Las Tesis developed a performance piece titled "[one of these people] in your path." For 10 points each:

[10] Name this kind of person. That performance piece—which accuses the police, judges, and presidents of being this kind of person—has been translated into multiple languages to protest patriarchal state violence.

ANSWER: **rapist** [accept "A **Rapist** in Your Path" or "Un **violador** en tu camino"]

[10] In January 2020, protestors chanted the English version of "A Rapist in Your Path" at the fourth iteration of these annual events. The first one of these events was the largest single-day protest in U.S. history.

ANSWER: **Women's March** [or **Women's March** on Washington]

[10] The stanza "Justice for Marielle Franco" is typically added to the piece when it is performed in this country. The stanza honors an activist-politician murdered by men connected to this country's president, Jair Bolsonaro.

ANSWER: **Brazil** [or Federative Republic of **Brazil**; or República Federativa do **Brasil**] <HK>

5. Answer some questions about disabilities in British literature, for 10 points each:

[10] In Mark Haddon's *The Curious Incident of the Dog in the Night-Time*, the protagonist, Christian, has this disorder. Some symptoms of this disorder include aversions to stimuli and social anxiety.

ANSWER: **autism** spectrum [accept **Asperger**'s syndrome; accept **savant** syndrome]

[10] This author wrote about an isolated and xenophobic community of blind people in "The Country of the Blind." He also wrote about the Eloi and the Morlocks in a novel that takes place in the year 802,701.

ANSWER: H. G. **Wells**

[10] This man, who is paralyzed from the waist down by a Great War injury, is unable to please his wife physically. As a result, this character's wife has an affair with the gamekeeper Oliver Mellors.

ANSWER: **Clifford Chatterley** [accept either; accept Lord **Chatterley**] <MGS>

6. Multipolar or monopolar spindle formation can lead to this trait. For 10 points each:

[10] Name this term, which generally indicates an abnormal number of chromosomes. Instances of this trait in cells can lead to amplification of oncogenes, and people with Klinefelter's syndrome also display this trait.

ANSWER: **aneuploidy**

[10] Aneuploidy can be the result of *this* failure of chromosomes to separate properly during anaphase I or II. This phenomenon is also responsible for trisomy disorders like Down's Syndrome.

ANSWER: **nondisjunction**

[10] Anaphase I and II are both steps during this process of gamete formation. Distinct from mitosis, this process involves two rounds of cell division and can lead to the creation of polar bodies in one version.

ANSWER: **meiosis** [do not accept or prompt on "mitosis"] <HK>

7. In this novel, Captain Blifil dies from apoplexy one evening during his daily walk. For 10 points each:

[10] Name this novel whose title "foundling" befriends Black George, investigates his unknown parentage, and ends up marrying Sophia Western.

ANSWER: *The History of **Tom Jones**, a Foundling*

[10] Tom is adopted by this wealthy landowner who turns out to be his uncle. This character banishes Tom from his estate after hearing a rumor that Tom got drunk and celebrated when he thought this character was going to die.

ANSWER: Squire **Allworthy**

[10] *Tom Jones* is an eighteenth-century novel by this English author, who also wrote *Amelia* and *Joseph Andrews*.

ANSWER: Henry **Fielding** <VS>

8. In lyrics to one song, this question follows a series of other questions including "Why aren't you scared of me?" and "Why do you care for me?" For 10 points each:

[10] Name this question which also titles a Grammy-winning album. The horror movie-inspired cover art for that album of this name features its spotlight artist smiling eerily against a black background.

ANSWER: ***When We All Fall Asleep, Where Do We Go?***

[10] *When We All Fall Asleep, Where Do We Go?* is the debut album of this eighteen-year-old singer-songwriter responsible for hits like "ocean eyes" and "bad guy."

ANSWER: **Billie Eilish** [accept either name; prompt on **eyelash**]

[10] The end of Eilish's "bad guy" features a beat of 64<sup>th</sup> note triplets characteristic of this style typified by subdivided hi-hats and half-time syncopation. Fetty Wap named a song for a "Queen" of this genre born in Atlanta.

ANSWER: **trap** <HK>

9. Prussian blue, the first modern synthetic pigment, consists of coordination complexes of this metal's +3 and +2 oxidation states. For 10 points each:

[10] Name this element with symbol Fe that can also be used in red and yellow pigments.

ANSWER: **iron**

[10] Prussian blue was first accidentally synthesized by heating compounds containing iron, carbon, and nitrogen to yield iron complexed to *this* ion. Salts of this ion are often described as smelling like “bitter almonds.”

ANSWER: **cyanide** [accept **cyano** group or **CN-**]

[10] Crystal field theory describes how the intense color of Prussian blue and other transition metal complexes arises from electronic transitions between these entities. Their energy splitting leads to distinct high and low spin states.

ANSWER: **d orbitals** [prompt on **orbitals**; do not accept or prompt on “s orbitals” or “p orbitals”] <HK>

10. In 1978, Jimmy Carter returned this ruler's “Holy Crown,” which had been held in Fort Knox for safekeeping. For 10 points each:

[10] Name this king to whom Pope Sylvester II supposedly sent that crown. This ruler, who was installed on Christmas Day, 1000 A.D., was canonized for his efforts to convert his kingdom to Christianity.

ANSWER: **Stephen I** of Hungary [or **St. Stephen** of Hungary; or **Istvan I** of Hungary; or **St. Istvan** of Hungary; prompt on “**Stephen**” or “**Istvan**”]

[10] Stephen was the first king of this modern-day country, which traces its heritage to the Magyars. A kingdom with this name united with Austria in the *Ausgleich*.

ANSWER: Austria-**Hungary** [or Kingdom of **Hungary**; or **Magyarország**]

[10] Hungarians revere this body part of Saint Stephen as a relic. A terrorist organization named for this body part trained Gavrilo Princip.

ANSWER: right **hand** [or Black **Hand**; or the **Holy Right**] <MK>

11. In one painting, a woman in a yellow, ermine-lined jacket also wears two of these objects. For 10 points each:

[10] Identify this object. This accessory also features prominently in a portrait whose central figure wears a blue-and-yellow headscarf and stares at the viewer.

ANSWER: a **pearl earring** [accept ***Girl with a Pearl Earring***; prompt on partial answer]

[10] Those works, *A Lady Writing* and *Girl with a Pearl Earring*, were painted by this Dutch Golden Age artist. His other paintings include *View of Delft*.

ANSWER: Johannes **Vermeer**

[10] In another Vermeer painting, a woman wearing pearl earrings looks out a window while holding one of these stringed instruments. In *The Love Letter*, a servant hands the title note to a woman holding this instrument.

ANSWER: **lute** [prompt on **cittern**] <SL>

12. This man's three “orders” are the imaginary, the symbolic, and the real. For 10 points each:

[10] Name this French psychiatrist and thinker whose writings were collected in a volume simply titled *Écrits*. One of this man's major arguments was for a “return to,” or reevaluation of, the works of Freud.

ANSWER: Jacques **Lacan**

[10] One of Lacan's contributions was the notion of a “stage” named for these man-made objects, at which a child first develops the idea of itself as a physical body and recognizes external images of itself.

ANSWER: **mirror**

[10] Lacan is considered the preeminent French thinker in the tradition of this practice, which was first developed by Freud and which studies things like dreams and the unconscious.

ANSWER: **psychoanalysis** <JW>



13. Layered 2D materials can host highly correlated quantum “waves” of this quantity. For 10 points each:

[10] Name this spatially continuous scalar quantity. In the differential form of Gauss’s law, the divergence of the electric field equals this quantity over epsilon-naught.

ANSWER: electric **charge density** [accept volume **charge density**; do not accept or prompt on “charge” or “density”]

[10] The charge density becomes discrete and divergent when treating these idealized particles that take up no space. Coulomb’s law is usually expressed in terms of two of these particles with charges  $q_1$  and  $q_2$ .

ANSWER: **point** charges [accept **point** particles or **pointlike** particles]

[10] The charge density is always zero in the interior of these materials, as is the electric field. These materials, which include plasmas and metals, are defined by their easy transmission of electricity.

ANSWER: **conductors** <SE>

14. Later in his career, this man defeated the French invasion of Ireland at the Battle of Ballinamuck. For 10 points each:

[10] Name this British general who won victories at the battles of Camden and Guilford Courthouse during the American Revolution.

ANSWER: Lord Charles **Cornwallis**, 1st Marquess Cornwallis

[10] Cornwallis also led the besieged British forces at this city, from where he failed to retreat to Gloucester Point. Cornwallis’ surrender of this city to George Washington largely ended the American Revolution.

ANSWER: **Yorktown**

[10] According to legend, the British army band played this song after Cornwallis’ surrender at Yorktown. This song from the English Civil War says “Christmas was killed at Nasbie fight,” while “Charity was slain at that same time.”

ANSWER: “The **World Turned Upside Down**” <MK>

15. Because this animal is the only large livestock animal native to New Guinea, the Iatmul language refers to cows as *walini'bana bák*, or “white man’s [this animal].” For 10 points each:

[10] Name this livestock animal, a traditional part of dowries among some ethnic groups in New Guinea. These animals are generally raised for their meat, which is called pork.

ANSWER: **pig** [or **swine**]

[10] Another animal sometimes offered in dowries is this bird, surprising given its reputation as the “world’s most dangerous bird.” This bird, the largest in the world after the ostrich and emu, has a characteristic bony crest.

ANSWER: **cassowary**

[10] The primary dog breed native to New Guinea is the New Guinea singing dog. It is closely related to this variety of wild dog that is common throughout most of Australia and was formerly domesticated by Aborigines.

ANSWER: **dingo** <JW>

16. Name some accessories used by players of string instruments, for 10 points each.

[10] Rather than having to constantly use their first finger to play bar chords, guitarists can use *this* accessory, which shortens the sounding length of the strings.

ANSWER: **capos** [accept **capodastros**]

[10] All orchestral string instruments are played with one of *these* objects, which consist of a wooden stick attached to a length of horsehair that is kept under tension and rubbed against the string to vibrate it.

ANSWER: **bows**

[10] Bass players use two styles of bow, one of which is held overhand like other string instruments, and the other of which is held like a hacksaw. Name *both*; the same terms are also used for two types of matched grip in drumming.

ANSWER: **French** AND **German** [accept in either order] <JW>

17. This character is referred to as “a good woman ... if it had been somebody there to shoot her every minute of her life.” For 10 points each:

[10] Identify this unnamed character, who eats lunch at Red Sammy’s restaurant and is murdered by “the Misfit” while traveling to Florida with her family. This character refers to her killer as “one of [her] own children.”

ANSWER: the **grandmother** [accept **Bailey’s mother**]

[10] The grandmother is a character from “A Good Man is Hard to Find,” a short story written by this author of “Everything That Rises Must Converge.”

ANSWER: Flannery **O’Connor**

[10] Flannery O’Connor is primarily associated with this genre of regional American fiction characterized by macabre or sinister elements. Other authors associated with this genre include Eudora Welty and Carson McCullers.

ANSWER: **Southern Gothic** [prompt on **Gothic**] <SL>

18. Aristotle’s philosophical contributions are still held in high regard by many; his scientific contributions, however, less so. Correct some of Aristotle’ theories, for 10 points each.

[10] Aristotle believed that the force on an object was proportional to the object’s mass times its velocity. Thanks to Newton’s work almost 2,000 years later, we know that it is actually equal to mass times this other parameter.

ANSWER: **acceleration**

[10] Aristotle believed that, when one ingested food, it was transmuted into blood. We now know that all red blood cells, and the majority of white blood cells, actually originate from this surprising location in the body.

ANSWER: bone **marrow**

[10] Aristotle believed the universe was composed of earth, air, fire, and water. We now know that there are a lot more elements than that; for Aristotle’s benefit, though, name the four most common elements in the universe. You have 10 seconds.

ANSWER: **hydrogen, helium, oxygen, and carbon** [or **H, He, O, and C**; accept either list in any order] <JW>

19. Users of this weapon often developed deformities in their left arms and shoulders due to overstrain. For 10 points each:

[10] Name this weapon whose superior range enabled English victories at the battles of Crécy and Agincourt. A popular legend says that users of this weapon held up two fingers to mock their enemies.

ANSWER: **longbow** [prompt on “**bow** and arrow”]

[10] The Battles of Crécy and Agincourt occurred during this war, whose name derives from its length. It was fought from 1337 to 1453.

ANSWER: **Hundred Years’ War**

[10] After the Hundred Years’ War, England’s only holding in France was the “Pale” around this port city. Early in the war, Edward III spared this city’s residents after a group of its leaders surrendered themselves.

ANSWER: **Calais** <MK>

20. A member of this family is hit by a car on the way back from a mosque, fracturing her collarbone. For 10 points each:

[10] Name this literary family, whose cruel patriarch al-Sayyid Ahmad engages in numerous affairs with women that patron his grocery store. This family is the focus of the novels *Palace Walk*, *Palace of Desire*, and *Sugar Street*.

ANSWER: **al-Jawad**

[10] The novels *Palace Walk*, *Palace of Desire*, and *Sugar Street* comprise a trilogy by this author. In his novel *The Thief and the Dogs*, the protagonist is supported by the café-owner Tarzan and the prostitute Nur.

ANSWER: Naguib **Mahfouz**

[10] In 1989, Mahfouz defended this author when Ayatollah Khomeini issued a death *fatwā* against him for his novel *The Satanic Verses*. This author also wrote *Midnight’s Children*.

ANSWER: Salman **Rushdie** <MK>

*Tiebreaker*

Answer some questions about colonial American rebellions, for 10 points each:

[10] This member of the House of Burgesses began a rebellion by raiding the land of neighboring Doeg Indians. He died of dysentery soon after issuing a “Declaration of the People” criticizing his colony’s administration.

ANSWER: Nathaniel **Bacon** [or **Bacon’s** Rebellion]

[10] “Jemmy” led this 1739 slave rebellion in South Carolina, which white colonists suppressed near the Edisto River. This rebellion led to the passage of an act that prevented slaves from assembling and moving freely.

ANSWER: **Stono** Rebellion [accept **Cato’s** Rebellion; accept **Cato’s** Conspiracy]

[10] Colonial American rebellions often damaged these estates, where crops like tobacco, sugar, and cotton were grown by slaves.

ANSWER: **plantations** <VS>