

DECAMERON 2020

Packet by Nick Jensen, Rahul Keyal, and Vishwa Shanmugam

Tossups

1. Jeremy Wafer represented a Zulu hut by bolting concrete to a “Low Wall” of this material, which is the main medium of sculptor Lungelo Gumedede. This substance names colorful boldly-patterned fabrics used to decorate headless mannequins in many works by Yinka Shonibare. Those so-called “African” or “Dutch” prints are inspired by a technique in which this substance is applied to “resist” dyes, the Indonesian tradition of *batik*. The Burkina and Benin Bronzes were created using a (*) technique in which a base sculpture of this substance is covered with a mould, melted, and replaced with molten metal, called the “lost-[this substance] process.” The Fayum mummy portraits are early artworks created with encaustic, which involves heating pigments set in this material. For 10 points, name this natural substance that can be harvested from bees.

ANSWER: wax [or beeswax; accept African wax prints or Dutch wax prints; accept wax-resist dyes; accept lost-wax process or cire perdue; accept Low Wax Wall; prompt on Ankara]
<Fine Arts – Other Visual, RK>

2. Andrea Migliano’s 2017 paper about this activity’s evolution found that it increased cooperation and sexual desirability among the Filipino Agta people. It’s not therianthropy or hunting, but a cave painting from Sulawesi is the world’s oldest record of this activity according to a December 2019 *Nature* paper. A novel titled for this activity incorporates research by the linguist Betty Elkins de Snell about a “walking” people who believe they were created as perfect beings by Tasurinchi. This activity titles a novel that uses the “mask-faced” anthropologist Saúl Zuratas to report the lifeways of the Amazonian Machiguenga people; that novel was written by (*) Mario Vargas Llosa. A rejected UChicago anthropology master’s thesis graphed the “shapes” of this activity on an axis from “ill fortune” to “good fortune.” Kurt Vonnegut identified “Man in Hole” and “Cinderella” as some of this activity’s possible “emotional arcs.” For 10 points, what universal human activity relates a sequence of events, often around campfires?

ANSWER: storytelling [or telling stories; accept telling folktales or relating plots or narration or word forms; prompt on fiction or mythology or literature or similar answers; accept *The Storyteller* or *El Hablador*]
<Social Science – Anthropology, NJ>

3. For a Galois [“gal-wah”] extension, this term denotes a basis generated by the orbit of an element in the Galois group. A sub-extension of a Galois extension is Galois over the base field if and only if its Galois group has this property. All splitting fields are field extensions denoted by this term, in which any irreducible polynomial in the base field is either irreducible or splits completely. Since the commutator subgroup always has this property, groups are solvable if and only if their chain of commutator subgroups eventually becomes the trivial group. (*) Simple groups do not have subgroups described by this word. All index-2 subgroups have this property, which is defined as having equal left and right cosets. A basis is made to be orthogonal and to have a property known by this term in the Gram-Schmidt process. For 10 points, give this term describing a vector perpendicular to a surface at a given point.

ANSWER: normal [accept normal subgroup or normal extensions or normal vectors or normal basis; accept being a normal subgroup of the Galois group]
<Science – Math, VS>

4. On Easter Sunday, a visitor to this body of water described r-selection in sea-hares while illustrating teleological thinking by asking, “Why are some men taller than others?” A guide from the people who domesticated tepary beans survived a lost 1905 gold-prospecting expedition to this body of water led by Thomas Grindell. John Gregg restored a boat from an expedition to this “washtub bluing blue” body of water; that trip inspired William Gilly to study its population of vicious “red devil” (*) Humboldt squid. Vendors from a state on this body of water created a crunchy, cheesy street food called vampiros. Chinese demand for totoaba swim bladders from this body of water has decimated its tiny endemic porpoise, the vaquita. An expedition of the *Western Flyer* led by marine biologist Ed Ricketts was chronicled in a “Log from” this body of water by John Steinbeck. For 10 points, what body of water separates Sinaloa and Sonora from Baja California?

ANSWER: Sea of Cortez [or Sea of Cortés; or the Gulf of California; or Vermilion Sea; or Mar de Cortés; or Mar Bermejo; or Golfo de California; accept *The Log from the Sea of Cortez*; prompt on the Pacific Ocean or Océano Pacífico]

(The Tohono O'odham domesticated tepary beans; the gold-prospecting expedition was the "Tiburón Island Tragedy.")
<Geography, NJ>

5. A 1984 article by Barry Cooper examining the revisions made by this piece's composer were cited in a 2009 *New Yorker* article by Alex Ross about its authorship. This piece is in the same genre as its composer's Opus 33, 119, and 126. Dramatic D-minor chords play over a repeating low-A pedal point in the left hand in this piece, which was published forty years after its composer's death by Ludwig (*) Nohl. This piece may reference the composer's "Immortal Beloved," who may be Therese Malfatti. The *poco moto* opening of this piece in 3/8 ("three eight time") has the left hand alternate A-minor and E-major rising arpeggios after the right hand opens with the sixteenth notes [read slowly] E D-sharp E D-sharp E. For 10 points, Bagatelle No. 25 in A minor is another name for what piano composition that may be dedicated to the student of Ludwig van Beethoven?

ANSWER: "Für Elise" [or "For Elise"; accept Beethoven's Bagatelle No. 25 in A Minor before read] (The Alex Ross article is titled "Who Wrote 'Für Elise'?")

<Fine Arts – Classical Music, RK>

6. Patrick Jory argued that a king with this name enacted a "theory of monarchy" from a folktale about a "perfect man" who generously gives away his entire family. The great-grandson of a king with this name fictionalized a servant girl in the royal court in the novel *Four Reigns*. A Shakespeare-translating, transparently gay king with this name founded a state university in 1917 and, after three failed marriages, enacted the 1924 Palace Law of Succession. An earlier king with this name hired James McCarthy to survey a bandit-filled vassal state during the (*) Haw Wars, shortly before that vassal became a French protectorate in 1893. The second king with this name patronized the poet Sunthorn Phu during the Rattanakosin Period. A harsh *lèse majesté* law punishes dissent against kings with this name, the ninth of whom died in 2016. For 10 points, give this regnal name of all Chakri dynasty kings of Thailand.

ANSWER: Rama [accept Rama II or Phra Phutthaloetla Naphalai or Phra Buddha Loetla Nabhalai or Loetlanaphalai or Itsarasunthon; accept Rama V or Chulalongkorn or Phra Chula Chom Klao Chao Yu Hua or Phra Phuttha Chao Luang or Phra Piya Maharat; accept Rama VI or Vajiravudh or Phra Mongkut Klao Chao Yu Hua or Wachirawut; accept Rama IX or Bhumibol Adulyadej]

(The leadin refers to *Thailand's Theory of Monarchy: The Vessantara Jātaka and the Idea of the Perfect Man. Four Reigns* was written by Kukrit Pramoj. The vassal state is Luang Prabang.)

<History – Asian, NJ>

7. This war orphaned a poet who lamented, "So, now we are destroyed; utterly; more than utterly!" by the "maddening music of war" in "Tears of the Fatherland." The first "language society" was founded on the eve of this war, whose soldiers often sang "Fear not, O little flock, the foe." An itinerant prankster meets the talking donkey Origenes amid this war in Daniel Kehlmann's recent novel *Tyll*. Andreas Gryphius and Paul Gerhardt wrote during this war, which inspired a novel about a yokel who meets Jupiter and some mermen before becoming a hermit. Helene Weigel premiered a role who decides not to file a complaint to a (*) Captain in this war after singing "The Song of the Great Capitulation." This war's turmoil is the backdrop for the picaresque novel *Simplicius Simplicissimus*, which inspired a play about a woman who survives by pulling a cart despite the deaths of her kids Kattrin and Eilif. For 10 points, what war is the setting of Bertolt Brecht's *Mother Courage and Her Children*?

ANSWER: Thirty Years' War [or Dreißigjähriger Krieg]

("Languages societies" are Sprachgesellschaften. "Fear not, O little flock, the foe" was Gustavus Adolphus's favorite battle hymn.)

<Literature – European, NJ>

8. In a practice attributed to Gurkhas and Rajputs, the festival Dussehra sometimes ends with this sort of event in commemoration of Durga's defeat of Mahishasura. A symbolic type of this event in Vedic traditions uses a *piṣṭa paśu*. Every five years, an enormous event of this kind occurs at Bariyarpur's Gadhimai festival. A horse was allowed to wander for a year in a Vedic ritual ending with this sort of event; that ritual is called (*) Ashvamedha. This practice is referred to as *qurbani* when it occurs on Eid al-Adha, which is also called a festival of it. An ancient Greek term for this practice is the origin of the word "holocaust." In *Church of Lukumi Babalu Aye, Inc. v. City of Hialeah*, a law targeting a Santeria ritual centering on this practice was ruled unconstitutional. For 10 points, name this type of practice in which animals are killed for religious purposes.

ANSWER: ritual sacrifices [or animal sacrifices; accept yajnas; accept specific sacrifices like the sacrifice of a goat or buffalo or horse or chicken; accept burnt offerings or similar] (The term *holocaust* was first used to describe sacrifices involving fires, then massacres of people involving fires, then came to signify massacres in general, before its current day usage came about, rather than any direct causal link between the original meaning and the current one)
<Religion – Non-Abrahamic, VS>

9. Joao Magueijo and Niayesh Afshordi created a VSL theory as an alternative to theories about this process; that alternative theory would be evidenced by a certain value of the spectral index. In an approximation modeling this process, the term $-3 H \dot{\phi}$ acts as a frictional term as the scalar field is assumed to slowly roll down a potential hill. This process was used to explain a theory that the universe is contained inside a single (*) magnetic monopole by Andrei Linde, though more generally it could explain why no magnetic monopoles have been observed. This process is the standard explanation answering the horizon and flatness problems. For 10 points, name this process theorized in part by Alan Guth, which states that the universe underwent a period of very quick expansion shortly after its formation.

ANSWER: cosmic inflation [or cosmological inflation; prompt on expansion of the universe] (VSL stands for variable speed of light)
<Science – Earth/Space, VS>

10. Note to players: Description acceptable.

In 2017, Bill Chumley and Mike Burns called for a monument to these people, who are the first title group of a book about their motivations by Ervin Jordan. Kevin M Levin's book about "searching for" these people argues that they were first promoted in 1977 by "Commander in Chief" Dean Boggs. H K Edgerton adopts the persona of one these people, who were dismissed as a PC myth of the "rainbow" faction by LS president Michael Hill. The SCV wrote a pamphlet about these people for Governors Island before a 2011 sesquicentennial. One of these people inspired by (*) Thomas Nelson Page's story "Marse Chan" appears on a 1914 memorial sculpted by Moses Ezekiel in Arlington Cemetery. John Stauffer wrote a viral article for *The Root* arguing for the existence of these people, questionably citing Frederick Douglass's account of John Parker at the First Battle of Bull Run. For 10 points, identify these mostly nonexistent soldiers conjured up to argue that an army of traitors wasn't racist.

ANSWER: black Confederates [or Afro-Confederates; or large numbers of free black men who fought for the Confederacy; or the Confederacy's black soldiers; prompt on partial answers like black soldiers or Confederate soldiers; accept clear-knowledge equivalents or synonyms like "African-Americans" in place of "black people" or "CSA" in place of "Confederacy"; prompt on the myth of loyal slaves or faithful servants or clear-knowledge equivalents by asking, "What, specifically, did the "loyalty" of the slaves allegedly inspire them to do?" and then accept answers like fighting for the Confederacy; prompt on Confederate apologism or the Lost Cause or similar answers by asking, "What very specific people cited as part of that myth?"; accept *Searching for Black Confederates: The Civil War's Most Persistent Myth*; accept *Black Confederates and Afro-Yankees in Civil War Virginia*]
(The LS is the League of the South; they are so racist that they don't even want to pretend that the Civil War wasn't about slavery. The SCV is the Sons of Confederate Veterans.)
<History – American, NJ>

11. Note to Players: artist and genre required.

One of these works by this artist was criticized for plagiarizing Lina Iris Viktor's *Constellations* series, which is painted with 24-karat gold leaf on black acrylic. Another of these works borrows images of a boy holding a string to a ladybug on his forehead and a row of black nuns dressed in white from the photos of Gordon Parks. Four police officers prop up the artist's car in a scene from one of these works in black-and-white that features many shots of him (*) floating over streets. The artist replaces Jesus in a recreation of Leonardo's *Last Supper* in another of these works that opens with Caravaggesque lighting on the artist, who is dressed in popish white robes as he raps about "syrup sandwiches and crime allowances." For 10 points, name these artworks that provide visuals for tracks like "ELEMENT" and "HUMBLE" by the rapper of the album DAMN.

ANSWER: music videos by Kendrick Lamar [in place of "Kendrick Lamar", accept: Kendrick Lamar, K-Dot, King Kunta, Kung Fu Kenny, etc; prompt on music videos] (The first line refers to the music video for "All the Stars.")
<Pop Culture – Music, RK>

12. This technique has established precise standards like the Sweet and Wittemoor tracks. Mike Baillie used this technique to construct the IntCal04 and Marine04 curves and refine models of the "dust veil-event." This technique produces "floating" results if local samples can't be matched with "master sequences." "Diffuse"

and “porous” samples are difficult to prepare for this technique, whose results can be skewed by offsetting medullary rays. A E Douglass used samples from Pueblo Bonito and Mesa Verde to refine this technique, which he applied to study the influence of (*) climatic cycles. In this technique, wide and narrow patterns from multiple “increments” are joined in a process called “crossdating.” This technique can calibrate carbon-14 dating. For 10 points, what technique can determine the age of samples by examining the annual growth of species like Douglas fir?

ANSWER: dendrochronology [or dendrodating; or tree ring dating; accept crossdating before mentioned; prompt on absolute dating or establishing chronology; prompt on calibrating radiocarbon-14 dating by asking, “What specific calibration method?”; prompt on tree rings by asking, “Used for what?” and accept anything related to dating/determining age]

(The dust-veil event is a possible period of disruptive volcanic activity from 535-536 CE.)

<Science – Any, NJ>

13. *Note to players: Identify the region, which is named for one or more geographical features. Answers referring to a historical kingdom or current country that is mostly contained by the region are also acceptable.*

Note to moderator: Please consult the two maps at the bottom of the packet if you are unsure if an answer is acceptable or promptable or not.

During the Later Iron Age, rouletted pottery replaced this region’s Urewe ware. Medieval states in this region created earthworks at Bigo, Munsa and Ntusi. Many peoples in this region traced their lineage to a 14th-century “empire of light.” Kingdoms in this region created the board game omweso and bred Ankole cattle. Gihanga legendarily founded this region’s Nyiginya dynasty. Michael Robinson’s *The Lost White Tribe* discusses attempts to substantiate the “Hamitic hypothesis” with light-skinned people from this region, whose mountains are the probable real inspiration for the mythical “mountains of the moon.” The Kibiro “salt gardens” enriched this region, where rulers were interred in the Kasubi Tombs. The Bachwezi dynasty of the Kitara Empire was a semi-mythic predecessor of this region’s kingdoms of Tooro, Karagwe, Busoga and Bunyoro. For 10 points, the (*) Kabaka of Buganda ruled in what region located between Africa’s analogues of Erie and Superior?

ANSWER: African Great Lakes region [or interlacustrine or inter-lake region; prompt on Great Lakes and accept it after “Africa” is read; accept the Great Rift Valley lakes or Albertine Rift or East African Rift System or EARS; accept the Rwenzori Mountains or Ruwenzori Range; prompt on East Africa or the source of the Nile or White Nile; Lake Kivu; accept Lake Albert or Albert Nyanza or Mwitanzige; accept Lake Tanganyika; accept Lake Victoria or Victoria Nyanza or Nam Lolwe or Nnalubaale; accept Lake Edward or Rutanzige or Edward Nyanza; accept Lake George or Lake Gweru; accept Empire of Kitara or Buganda or Bunyoro or Busoga or Ankole or Tooro or Karagwe before mentioned; accept Uganda; accept Rwanda; accept Burundi or Uburundi; prompt on Tanzania or Kenya or DRC or equivalents; accept Virunga Mountains or Mufumbiro; do not accept “Gregory Rift” or “Lake Nyasa” or “Lake Malawi” or “Lake Mweru” or “Lake Rukwa” or “Lake Turkana” or “Lake Rudolf”]

<History – World, NJ>

14. In a story from the *Paññāsa Jātaka*, Nang Chanthara gives birth to a golden example of these objects that conceals Prince Sang Thong. These objects name an ornate Brahmi script used on many 4th-8th-century signatures and the Udayagiri Caves. The Burmese king of the nats, Thagyamin, typically holds a fly whisk and one of these objects, which are fashioned into the Sri Lankan hakgediya, Korean nagak and Japanese horagai. The flag of Travancore depicted a sacred type of these objects called the Dakshinavarti. As one of the eight auspicious symbols, this object represents the spread of the dharma and the Buddha’s voice. Vishnu holds one of these objects called Panchajanya in addition to a (*) mace, chakra and lotus. Since these objects are chiral, many Asian cultures have especially valued their right-turning form. For 10 points, what marine objects can be played as trumpets?

ANSWER: conch shells [accept either underlined portion; or shankha or Dakshinavarti Shankh; or sacred chank shells; accept Shankhalipi or conch shell script; accept Triton’s trumpets; prompt on trumpets or horns by asking, “Made of what natural objects?”]

<Legends – Non-European, NJ>

15. To recover from a breakup, the speaker of Anne Carson’s poem “The Glass Essay” visits her aging mother and reads this poet’s collected works. A poem inspired by this author begins “The horizons ring me like faggots” and opens Sylvia Plath’s *Crossing the Water*. This poet described God as “Being and Breath” and “within my breast” in a poem expressing her faith in God, titled “No coward soul is mine.” This author’s poem “The Prisoner” is one of many set in the fictional (*) kingdom of Gondal. This author wrote under the name “Ellis” for the volume *Poems by Currier, Ellis, and Acton Bell*. The Yorkshire moors provide the setting of this author’s only

novel, in which Nelly Dean narrates how an orphan exacts revenge on the family living in Thrushcross Grange. For 10 points, name this author who wrote about Catherine Earnshaw and Heathcliff in *Wuthering Heights*.

ANSWER: Emily Bronte [or Emily Jane Brontë; prompt on Brontë; accept Ellis Bell until read; prompt on Bell until “Ellis”] (The Sylvia Plath poem is “Wuthering Heights.”)

<Literature – British, RK>

16. A restoration of a Johann Zoffany painting revealed it depicts Asaf-Ud-Daula sexually aroused by an instance of this activity put on by Colonel Mordaunt. The Tabuh Rah ceremony centers on this activity, which occurs in the Philippine pastime of *sabong*. Congress faced opposition to a December 2019 ban on this activity in Puerto Rico. After Agustín is murdered for handing out leaflets at an instance of this activity, his elderly father hesitates to sell a prized possession used for it in the novella (*) *No One Writes to the Colonel*. An essay contrasts “shallow” instances of this activity that involve only a handful of ringgits with a term coined by Jeremy Bentham to refer to a contest whose stakes are so high that no individual would participate. For 10 points, the essay *Deep Play* recounts Clifford Geertz’s observance of a Balinese instance of what blood sport involving certain birds?

ANSWER: cockfighting [accept clear equivalents such as cock match; prompt on fights or sports or betting or gambling; accept *Colonel Mordaunt’s* Cock Match; accept *Deep Play: Notes on the Balinese* Cockfight]

<Writer’s Choice, RK>

17. This story’s final line notes an “open space” between what a man “knew” and “tried to believe” that “nothing could be done about.” A man in this story pins a postcard to a blood-stained shirt in honor of a character he thinks was killed with a tire iron. After discussing leaving for Mexico, a man in this story says “I wish I knew how to quit you.” In this story, Alma Beers divorces her husband after noticing that he doesn’t use his pole on fishing trips. As teenagers, this story’s protagonists work for Joe (*) Aguirre at the title location, where they take turns cooking meals and herding sheep. Larry McMurty won an Academy Award for co-writing a film adaptation of this story, which is collected in 1999’s *Close Range: Wyoming Stories*. For 10 points, name this story by Annie Proulx about Jack Twist and Ennis del Mar’s homosexual love affair, which was adapted into an Ang Lee film.

ANSWER: “Brokeback Mountain”

<Literature – American, RK>

18. USDA’s National Collection of Genetic Resources for this non-blackberry food preserves heritage varieties like the Caddo and Oconee. Juan Domínguez de Mendoza encountered enormous groves bearing this food, which Stuckey’s used to flavor its signature divinity and log rolls. The enslaved gardener Antoine created the Centennial variety of this food after discovering how to graft its trees at Oak Alley (*) Plantation. Emma Tenayuca organized Mexican-American workers processing this food in a 1938 strike in San Antonio. In the 1930s, Karo corn syrup popularized a dessert named for this food that may be a variant of chess pie. The wild shellbark and shagbark hickories can hybridize with this related nut, which is coated by a mixture of cream and sugar in New Orleans pralines. For 10 points, name this nut often flavored with bourbon in a classic Southern pie.

ANSWER: pecans [or pecanes; accept *Carya illinoensis* or hickory before mentioned; accept pecan pie; prompt on nuts or drupes or botanical fruits or Juglandaceae]

<Writer’s Choice, NJ>

19. The grandfather of the current quarterback for this team played the Marlboro man in cigarette advertisements and was named Dick Hammer. A former head coach for this team got a tattoo on his right shoulder of his wife Michelle nude except for the jersey of its quarterback at the time. In 2012, this team had a terrible 7-6 victory against the Cardinals in what SBNation called “the worst quarterbacked game in history;” in that game, this team’s starting quarterback was benched for Greg McElroy. ESPN broadcast a clip of a quarterback for this team claiming he was (*) “seeing ghosts” in a loss to the Patriots. In a 2012 Thanksgiving day game against the Patriots, this team’s quarterback ran directly into Brandon Moore in the infamous “butt fumble.” A September 2019 graphic showed this team’s quarterback pointing at the viewer next to the words “Out indefinitely: mononucleosis.” For 10 points, name this team whose quarterbacks have included Mark Sanchez and Sam Darnold.

ANSWER: New York Jets [prompt on New York, I guess] (the second clue refers to a tattoo Rex Ryan has, which was altered after he was hired by the Bills)

<Pop Culture – Sports, VS>

20. The court case *Moore v. Regents of the University of California* is often cited in discussions of ethics about this person, who is the subject of Adam Curtis' documentary *Modern Times: The Way of All Flesh*. Michael Rogers' discovery of this woman's name is documented in a popular 2010 non-fiction book whose prologue calls her the "woman in the photograph." This tobacco farmer from Clover, Virginia was posthumously responsible for the fame of (*) Johns Hopkins researcher George Otto Gey. Oprah Winfrey played this woman's daughter Deborah in a 2017 HBO adaptation of a book by Rebecca Skloot titled for her "Immortal Life." For 10 points, name this African-American woman whose cervical tumor provided the first human cells that reproduce outside the body, which were dubbed in her honor as HeLa cells.

ANSWER: Henrietta Lacks [or Loretta Pleasant; accept *The Immortal Life of Henrietta Lacks*; prompt on answers mentioning HeLa cells]

<Other Academic, RK>

21. Charles Nicholl retraced an expedition to this modern-day country in *The Creature in the Map*. Jesse Cromwell's *The Smugglers' World* argues that the 18th-century colonial economy in this country depended on illicit English demand for cocoa from haciendas like Chuao. This country's 16th-century port Borburata was forced to buy enslaved Gambians by John Hawkins. A cathedral in this country inters a hero of its independence war whose exploits elsewhere included staging the "Republic of the Floridas" and the disastrous "Poyais" scheme, Gregor MacGregor. The Basque Royal Guipuzcoan Company defended this country's ports La Guaira and Puerto Cabello before the (*) War of Jenkins' Ear. William L. Scruggs and Richard Olney used the Monroe Doctrine to defend this country against a bordering British colony in an 1895 "crisis" that led Britain to claim Guayana Esequiba. For 10 points, in what country did Sir Walter Raleigh search for El Dorado on the Orinoco River?

ANSWER: Venezuela [or Bolivarian Republic of Venezuela or República Bolivariana de Venezuela; accept Venezuela Province or Province of Caracas; accept any republican/colonial name with Venezuela; prompt on Viceroyalty of New Granada or Virreinato de la Nueva Granada; prompt on Gran Colombia but do not accept "Colombia"; be nice and prompt on Guayana or Guiana before mentioned (since that was what Raleigh called it) by asking, "What modern-day country?" and then neg the player if they say "Guyana" again; accept Venezuelan crisis of 1895]

<History – British/Commonwealth, NJ>

22. A poor man with this profession prospered when the Milanese nobleman Ughetto sold some falcons to court his daughter Adalgisa by buying him supplies before Christmas. In *Hamlet*, Ophelia references an apocryphal story about Jesus turning the daughter of a man with this profession into an owl. An implement used by this profession grew into a mulberry tree in the miracle that made Saint Honoré of Amiens its patron. A giant 12-fingered woman with this profession allegedly killed eight Castilians at the Battle of (*) Aljubarrota. "Rapunzel" inspired a couple with this profession who want a child in *Into the Woods*. Medieval guilds of this non-carpentry profession created trenchers. A rhyme invokes a man with this profession in the clapping game patty-cake. For 10 points, what profession does the nursery rhyme "Rub-a-dub-dub" group with the butcher and the candlestick-maker? ANSWER: bakers [accept "baker's man" or boulangers or confectioners or pâtissiers or fornai; prompt on cooks or chefs or cuoco or cuochi but accept pastry chefs; accept people who make bread or similar descriptions mentioning baked goods; accept the Padeira de Aljubarrota or the Baker-Woman of Aljubarrota; do not accept or prompt on "millers" or "merchants" unless baked goods are mentioned]

(The leadin is an origin myth of panettone. Ophelia's line is, "They say the owl was a baker's daughter. Lord, we know what we are, but know not what we may be." In the story, the baker wants to give Jesus some bread but the daughter says, "Nope" so Jesus turns her into an owl. The implement of Saint Honoré's nursemaid that grew into a mulberry tree was a baker's peel.)

<Legends – European, NJ>

23. A neurosurgeon critiqued this city's culture in caustic books like *Figments of Experience* and *A Candle or the Sun*. Rex Shelley wrote four novels about mixed-race people from this city, whose social tensions inspired *Little Ironies* and *Ministry of Moral Panic*. A jerk from this city named Bernard plans a disastrous bachelor party with dogfighting before the art consultant Oliver tricks the soap opera star Kitty into dating him. Mohamed Latiff Mohamed's *Confrontation* and Isa Kamari's *A Song of the Wind* describe life in a (*) kampong outside this city, where the harsh treatment of maids inspired *The Bondmaid* by Catherine Lim. This city's "Grip" titles the third novel in J G Farrell's Empire Trilogy. The NYU professor Rachel Chu meets this city's Young family in a satire adapted into a hit 2018 film starring Henry Golding and Constance Wu. For 10 points, what city's lavish lifestyles inspired Kevin Kwan's *Crazy Rich Asians*?

ANSWER: Singapore [or Xinjiāpō; or Singapura; or Sān'gabō or other variants; accept historical names like Pulau Ujong or Temasek; accept *The Singapore Grip*]
(The leadin is about Gopal Baratham. Rex Shelley's novels include *The Shrimp People* and *People of the Pear Tree*. Amanda Koe Lee wrote *Ministry of Moral Panic*.)
<Literature – World, NJ>

24. Sion and Wolfe constructed one of these things without a value, as Glicksberg's theorem only applies to continuous examples of them. A certain condition on these things holds if and only if the "single deviation principle" holds. The minimum excludant, or mex, is used to calculate the Grundy number characterizing one of these things; those Grundy numbers are also called (*) numbers. Information sets allow simultaneous examples of these things to be represented with trees; those "extensive forms," if finite, can be used in backwards induction on them. "Grim trigger" and "tit-for-tat" are two possible strategies when these things are "iterated" or "repeated." For 10 points, name these things exemplified by the prisoner's dilemma.

ANSWER: games [accept games prefixed with any of these modifiers: iterated, continuous, simultaneous, sequential, extensive form; accept subgames or subgame perfect Nash equilibria; prompt on "strategies" by asking, "What are those strategies being applied to?"; prompt on the prisoner's dilemma or Nim by asking, "Which is an example of what?"]
<Social Science – Economics, VS>

25. Roger yells at his wife, who is of this ethnicity, after she finds her relapsed alcoholic brother passed out as their son Neel is alone in a bathtub in the story "Only Goodness." Another story ends as a woman of this ethnicity hears her family say "Your time has come... Go, be brave;" she then drops her package and walks off. At the end of one story, a man of this ethnicity carries a huge silver bust that his wife found in the attic during a party. Judith Templeton asks an immigrant of this ethnicity to talk with people who lost loved ones to a plane bombing in "The (*) Management of Grief." A woman of this ethnicity named Twinkle finds statues of Jesus in her home in "This Blessed House." A married couple of this ethnicity share increasingly serious secrets with each other during power outages in the story "A Temporary Matter." For 10 points, give this ethnicity of the immigrants from *Interpreter of Maladies*.

ANSWER: Bengali-Americans [accept Indian-Americans; accept Indian-Canadians or Bengali-Canadians or British-Indians or British-Bengalis]
<Literature – Any Anglophone, VS>

26. This actor played the ad mogul Vendice Partners in an adaptation of a novel about a mod teen photographer battling racist Teddy boys in the 1958 Notting Hill "race riots," written by Colin MacInnes. The director of *Bad Timing* joked that this actor should read more, even though he wrote a viral 2013 list of 100 must-read books including *Hawksmoor*, *Billy Liar* and *City of Night*. An adaptation of Laurens van der Post's *The Seed and the Sower* starred this actor as a South African who is buried in sand by the new commandant of a Japanese POW camp. This star of (*) *Merry Christmas*, *Mr Lawrence* played an alcoholic alien seeking water for his drought-stricken planet in a 1976 film by Nicolas Roeg. This star of *The Man Who Fell to Earth* played Nikola Tesla in *The Prestige* and the goblin king Jareth in *Labyrinth*. For 10 points, what artist also wrote songs like "Modern Love" and "Life on Mars?"

ANSWER: David Bowie [or David Robert Jones; I guess accept Ziggy Stardust]
(The leadin is about *Absolute Beginners*– it's not just a song!)
<Pop Culture – Movies/TV, NJ>

27. This state is haunted by the ghost of Timber Kate, whose girlfriend Bella Rawhide left her for the murderer Tug Daniels. Zak Bagans created a "Haunted Museum" in this state, where *Ghost Adventures* also visited La Palazza mansion. In the 1970s, several corpses were mutilated in this state's Robb Canyon. Art Bell hosted the paranormal radio show *Coast to Coast AM* from this state's town Pahrump. The ghost of Jack Davis protects gold in this state's (*) Six Mile Canyon. Haunted buildings in this state include the Mizpah and Goldfield Hotels and the mansion of John William Mackay, a 19th-century "Bonanza King." Ghostly "Water Babies" have haunted this state's Pyramid Lake since the Paiute War. A 2019 meme advocated "storming" a "Test and Training Range" near the town of Rachel on this state's SR 375, the "Extraterrestrial Highway." For 10 points, what state contains Area 51?

ANSWER: Nevada [accept "Silver State" or "Sagebrush State" or "Battle Born State"]
<Geography, NJ>

28. *Note to players: The answer is a complex substance, not a pure compound.*

It's not larch, but this substance's polysaccharide component is mostly protein-linked type II arabinogalactans and acetylated mannans. Triangle tests suggest that 2-furfurylthiol drives this substance's odor. Kahweol and a related diterpene are unique to this substance, which is the major source of the conjugated hydroxycinnamate chlorogenic acid. Giling basah is an alternative to the "washed" method for treating the raw (*) green form of this impure substance, which was once extracted with benzene in the Roselius process. This substance undergoes the "Swiss Water" process or extraction with supercritical CO₂ to remove a methylxanthine alkaloid. Boiling water cycles through this substance in percolators, whose heat can leave more bitter compounds than the "drip" method. For 10 points, what drink's chemical and sensory properties vary across its robusta and arabica varieties?

ANSWER: coffee grounds [accept green coffee beans; accept arabica or robusta coffee before mentioned; accept Coffea or coffee berries; prompt on plants or other generic answers; do not accept "caffeine"]

(The other diterpene is cafestol.)

<Science – Chemistry, NJ>

29. **Many of this person's short prose "word-portraits" of artists were published in the magazine *Camera Work*. A mask symbolizing this person hovers over the numbers "1 2 3" and the words "Love Love Love" in "poster portrait" by Charles Demuth. This person, whom Carl van Vechten photographed in front of a U.S flag, sat over 90 times for a portrait whose artist incorporated ancient Iberian features when finishing it from memory. An apartment at 27 rue de Fleurus displayed the painting (*) *Woman with a Hat* after this woman and her art critic brother Leo purchased it from Henri Matisse. Near the end of his Rose Period, Pablo Picasso completed a portrait showing the hulking figure of this woman, a close friend of his. For 10 points, many artists frequented the Paris salon of what writer, who left her art collection to her partner Alice B. Toklas?**

ANSWER: Gertrude Stein

<Fine Arts – Painting, RK>

30. **Several unsuccessful attempts to decode this book's structure are outlined in a 1987 commentary by James L Crenshaw, who also stressed its focus on sight in *The Ironic Wink*. This book suggests that bread doesn't go to the wise nor riches to "men of understanding" because "time and chance happeneth to them all." This book, which is read on the Sabbath of Sukkot, ends by advising "Fear God, and keep his commandments." A word literally translating to "vapor," (*) *hevel*, recurs throughout this book, in which an unnamed Teacher claims "I have seen all the things that are done under the sun." A passage beginning "For everything there is a season" appears in this book, which begins by exclaiming "Vanity of vanities, all is vanity!" For 10 points, the *Kohelet* is another name for what Old Testament book attributed to Solomon?**

ANSWER: Book of Ecclesiastes [accept Kohelet or Koheleth or Qoheleth before "Kohelet"]

<Religion – Abrahamic, RK>

31. **A 1989 book by Modris Eksteins analogizes this ballet to the rise of the Third Reich. Lester Horton incorporated Native American dance into a Hollywood Bowl production of this ballet set in the Wild West. The whole stage is filled with dirt in a restaging of this ballet by Pina Bausch. Millicent Hodson interviewed Marie Rambert to reconstruct this ballet's original choreography, which had been superseded by Léonide Massine's version, for a 1987 performance by the (*) Joffrey Ballet. Nicholas Roerich designed the costumes and stage for the premiere of this ballet, whose music plays over a sequence depicting the age of the dinosaurs in *Fantasia*. This ballet ends with a young girl being chosen by a group of ancestors to dance herself to death in the concluding "Sacrificial Dance." For 10 points, Parisians rioted at the 1913 premiere of what Igor Stravinsky ballet?**

ANSWER: The Rite of Spring [or Le Sacre du Printemps] (Modris Eksteins' book is *The Rites of Spring*.)

<Fine Arts – Other Auditory, RK>

32. *Note to players: Specific term required.*

A book titled for this condition describes it as an expression of "self-irony" that causes a "passion for the absurd." Pierce and Schott concluded that permanent trade with China acted as a shock driving only one of three causes of mortality grouped under this term, testing a hypothesis outlined in a book titled for it and *The Future of Capitalism*. In Deborah Blum's *Love at Goon Park*, Gene Sackett reported that a device named for this condition was originally called a "dungeon." An Emil Cioran book is named for the "Heights of [*this emotion*]," which results from (*) suffering without meaning according to Viktor Frankl. In Erik Erikson's eighth stage of psychosocial development, this emotion conflicts with ego integrity. Anne Case and Angus Deaton used this

emotion to describe “deaths” surging among working-class white Americans who turn to opioids in the wake of lost jobs. For 10 points, what negative emotion names a “pit” used in Harry Harlow’s primate research on deprivation?

ANSWER: **despair** [or **Verzweiflung** or word forms; accept deaths of **despair**; prompt on **deaths** by asking, “Deaths attributed to what condition that wasn’t necessarily the actual cause of death?”; accept the pit of **despair** or dungeon of **despair**; prompt on **depression** or other words for being **sad** or **hopeless** but accept **desperation** or word forms like **desperate**; accept *On the Heights of **Despair*** or *On the Summit of **Despair*** or *Pe culmile **disperării***; accept *Deaths of **Despair** and the Future of Capitalism*]

<Thought – Any, NJ>

33. Marian S Dawkins and Tim Guilford suggested that this strategy is common in “conventional” systems, proposing that its main constraint is frequency-dependent “probing” by “receivers.” Alexander van Oudenaarden used an invertase-defective strain of yeast as a model of this strategy in a “snowdrift game.” Sparrows with “badges of status” are a common system for determining the potential for invasion by this strategy, which is impossible for assessment signals. This abstract strategy is limited by inherent costs according to Amotz Zahavi’s (*) handicap principle. This abstract strategy’s specific examples include brood parasitism and Batesian mimicry. Evolutionary game theory models how selection for this strategy is counteracted to maintain “honest signaling.” For 10 points, name this strategy that has also been adopted by humans like Basileus and Steven Hines.

ANSWER: social **cheating** [or word forms like **cheaters**; accept **unreliable** or **dishonest** signaling before “honest”; accept **bluffing** or **deceit** or **deception** or **mooching** or **freeloading** or **faking** other rough synonyms; prompt on **manipulation** or similar words; prompt on **signalling** by asking, “What specific type of signal that, theoretically, most signals are supposed to prevent?”]

<Science – Biology, NJ>

34. “Valves” named for this quantity operate by changing their resistance based on the relative angles of magnetization of two magnetic layers. Those devices are an application of giant magnetoresistance, which itself arises from a form of scattering dependent on this quantity and underpins a field known as [this word]-tronics. The poles on the Bloch sphere for an electron qubit are usually basis states for this quantity, though (*) charge is sometimes used instead. A particle’s value for this quantity determines whether its exchange interaction with an identical particle is symmetric or antisymmetric and whether it obeys the Pauli Exclusion Principle, as described by the [this quantity]-statistics theorem, which uses values for this quantity to classify particles as fermions or bosons. For 10 points, name this quantity described as intrinsic angular momentum.

ANSWER: **spin** [accept **spin** valves or **spin**-dependent scattering or **spin**tronics or the **spin**-statistics theorem]

<Science – Physics, VS>

35. This duchy shared its name with a 10th-century Byzantine enamel Staurotheke. Many rulers of this duchy were interred in the Mosan Romanesque Rolduc Abbey, which grew wealthy from coal mining. A 12th-century poet from this duchy wrote the *Life of Saint Servatius* and the *Eneas Romance* in its namesake vernacular Germanic language. In 1214, this duchy’s Duke Waleran III married Countess Ermesinde I, making the house of Arlon and this duchy the rulers of (*) Luxembourg. The Battle of Worringen ended the 1283-89 succession war over this duchy with its conquest by Brabant to its west. *Brevibacterium* flavors a cheese from this duchy’s city Herve. Although they actually came from Guelders to the north, this duchy is the eponym for three brothers who illuminated the Très Riches Heures du Duc de Berry. For 10 points, what Dutch and Wallonian duchy names a notoriously stinky cheese?

ANSWER: Duchy of **Limburg** [or Herzogtum **Limburg**; or Duché de **Limbourg**; or Hertogdom **Limburg**; or Härzochdom **Limbursch**; or Dutcheye do **Limbork**; accept **Limburger** cheese; accept the **Limbourg** brothers or Gebroeders van **Limburg**; accept **Limbourg**-sur-Vesdre; accept the **Limburgish** language; accept the War of the **Limburg** Succession; accept the **Limburg** Staurotheke]

(Heinrich von Veldeke wrote the *Life of Saint Servatius* and the *Eneas Romance*.)

<History – European, NJ>

36. This author’s troubled relationship with his young wife inspired Perumbadavam Sreedharan’s hit Malayalam novel *Oru Sankeerthanam Pole*. Another novel ends with this author deciding that betrayal “tastes like gall” while thinking, “I have lost my place in my soul” after writing a page headed: “THE CHILD.” Geschwind syndrome is sometimes named for this hypergraphic author, whom Nabokov disliked so much that he parodied him in *Despair* as Hermann Karlovich, who is obsessed with a supposed (*) Doppelgänger. Leonid

Tsyppin's *Summer in Baden-Baden* recounts this author's wife Anna copying out a novel fictionalizing his roulette addiction. This author's stepson Pavel dies at the start of a novel about his relationship with Sergey Nechayev, who inspired him to write an allegory about a circle of nihilists led by Stavrogin. For 10 points, name this protagonist of J M Coetzee's *The Master of Petersburg* and real-life author of *Demons*.

ANSWER: Fyodor Mikhailovich Dostoevsky [accept either underlined portion; accept Fedya or Fedor or Theodore]
<Literature – Any Non-Anglophone (sort of), NJ>

37. **David Lubell proposed that eating these animals defined the Mediterranean Mesolithic-Neolithic transition. According to Pliny and Varro, Fulvius Lippinus fattened these animals on wine and spelt at his large farm in Tarquinia. Apicius claimed that these animals “are not sufficiently appreciated by the Germanic races” and advised frying them with pepper and cumin after force-feeding them milk. The Romans possibly introduced the edible (*) Burgundy species of these animals, *H. pomatia*, to Britain. Assemblages of the nerite family of these animals can yield anomalously old dates because they consume carbonate. The Mauretanian king Juba II built a factory on Mogador Island to harvest these non-cuttlefish animals, which secreted blue tekhelet and Tyrian purple dyes. For 10 points, what animals did Roman heliciculturists keep in cochlearia pens to prepare as a precursor of escargot?**

ANSWER: snails [prompt on molluscs or Mollusca or invertebrates; accept gastropods or Gastropoda; accept specific land snails such as Helix pomatia or Roman snail; accept sea snails or murex snails or rock snails or Muricidae; accept specific sea snails such as Bolinus brandaris or Stramonita haemastoma or red-mouthed rock shell or the Florida dog winkle or Hexaplex trunculus; accept periwinkles or whelks or species like Littorina littorea; accept specific freshwater snails such as nerites before mentioned]
<History – Ancient/Classical, NJ>

38. **In a game subtitled for these things, achieving 888% map completion is one step in unlocking a gauntlet area called the Nest of Evil. One of these objects found in a grove of trees south of the castle in Mushroom Kingdom has different properties depending on whether you visited the Seaside or Snow Kingdom first. Brauner uses these objects in his attacks and created several of them that transport the player to areas like Nation of Fools or City of Haze. The player switches between Jonathan and Charlotte in that *Castlevania* game named for one of these things (*) “of ruin.” Warping between worlds using these things allows the player to collect out-of-reach moons in *Super Mario Odyssey*. Jumping into these things allows access to areas like Lethal Lava Land and Bob-omb Battlefield in another game in which they are also scattered throughout a castle. For 10 points, what objects allow Mario to enter early courses of *Super Mario 64*?**

ANSWER: paintings [or portraits; accept *Castlevania*: Portrait of Ruin]
<Pop Culture, VS>

39. **He's not David Lewis, but a crossover episode of The Partially Examined Life and Elucidations podcast discussed a text by this philosopher that inspired a collection reflecting on “fifty years” of it, edited by Hans-Johann Glock. This mentor of Donald Davidson names a paradox about the phrase “yields falsehood when preceded by its quotation,” leading Douglas Hofstadter to name computer programs that print their own source code after him. A pun on this philosopher's name titles a paper that contrasts two coffee tasters' experiences, by Daniel (*) Dennett. This American co-names a thesis stating that testing a scientific hypothesis in isolation is impossible with Pierre Duhem. This man claimed the terms “unmarried man” and “bachelor” are not interchangeable in a paper attacking the analytic-synthetic divide. For 10 points, name this author of “Two Dogmas of Empiricism.”**

ANSWER: W. V. O. Quine [or Willard Van Orman Quine; accept Quining Qualia]
<Thought – Philosophy, VS>

40. **KQED filmed this man visiting San Francisco communities in Richard Moore's 1963 documentary *Take This Hammer*. This man analyzed the racial subtext of *The Exorcist* in the last chapter of his book-length essay on film criticism, *The Devil Finds Work*. An essay by this man questions the choice of an all-black cast for Otto Preminger's film *Carmen Jones*. This man's unfinished book on the deaths of three civil rights leaders, titled *Remember This House*, inspired a 2016 film by Haitian director (*) Raoul Peck. A novel by this author in which the sculptor Fonny is falsely accused of rape, separating him from his fiancé Tish, was adapted into a 2019 film by Barry Jenkins. The documentary *I Am Not Your Negro* depicts this author of the novel *If Beale Street Could Talk*. For 10 points, name this author who wrote *Notes of a Native Son* and *Go Tell It on the Mountain*.**

ANSWER: James Baldwin [or James Arthur Baldwin]
<Other Academic, RK>

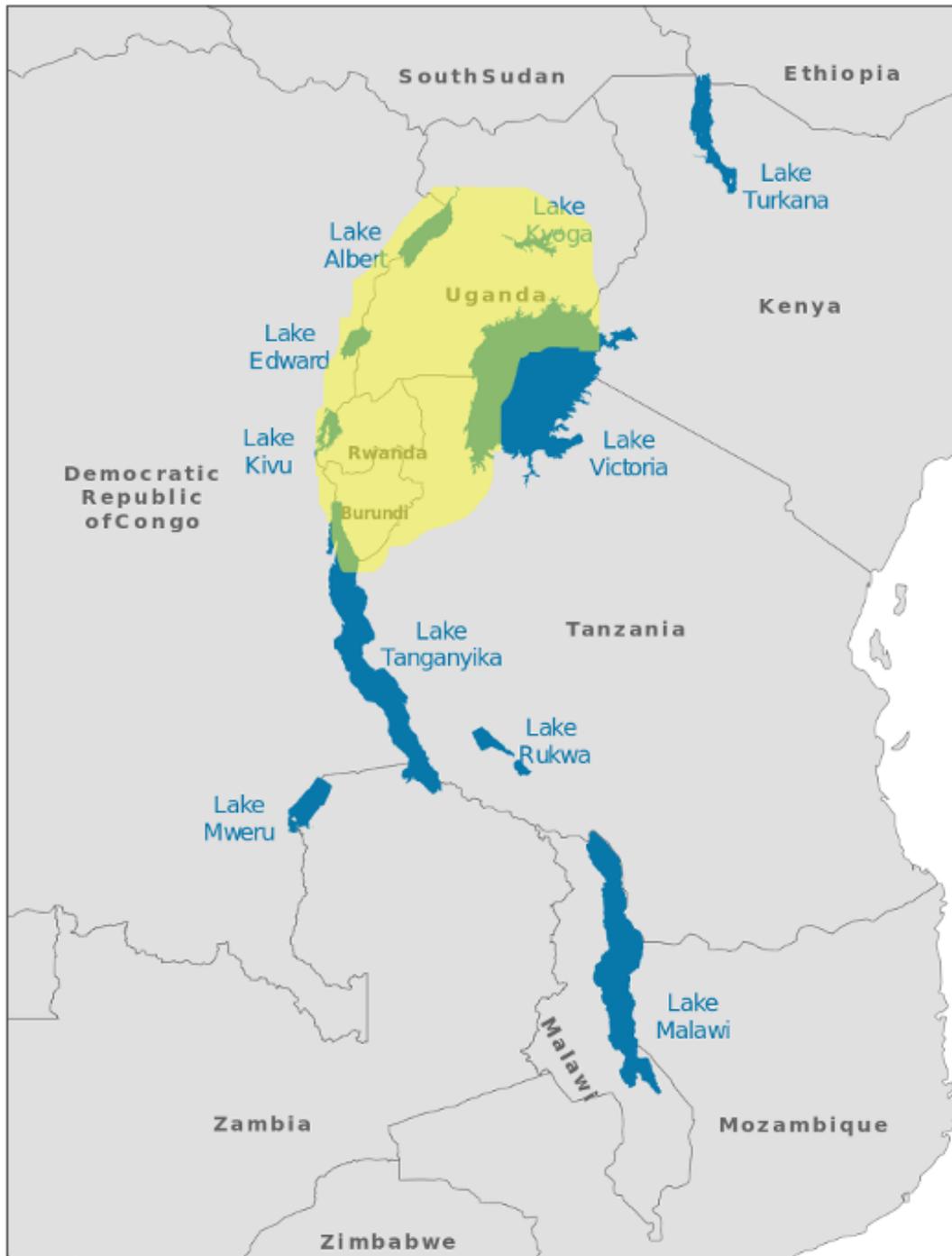


Figure 1. The African interlacustrine region. The question concerns the areas highlighted in yellow. Prompt on answers that partially overlap (such as Tanzania) and accept areas of significant to total overlap (such as Rwanda).



Figure 2. The East African Rift. Be nice and accept that (or equivalents), but the question is essentially about the lands and lakes formed by the Albertine Rift (left arm).