

OOT 2017
Packet 13 - Editors 7

Edited by Oliver Clarke, George Corfield, Charlie Clegg, Daoud Jackson, Chris Stern and Spencer Weinreich.
Questions also written by Eric Mukherjee, Thomas De Bock, Isaac Brown.

The last tossup in the last packet should have been: **Infrared**

Tossups

1. *Description acceptable.* **Water defines the zero on the Hounsfield scale, a measure used in one class of these technologies. Another of these technologies relies on the annihilation of two antiparticles producing a pair of gamma rays travelling in opposite directions. It's not a spectroscopic technique, but one of these technologies measures spin-spin or spin-lattice relaxation time; its (*) T2 and T1 variants.** Another form of this technology relies on the fact that the reflection of high frequency sound waves is greater in denser tissues. For ten points, name these technologies like ultrasound or MRI that are used to visualise internal anatomy.
ANSWER: Medical **imaging** modalities [accept obvious equivalents and specific examples such as **Magnetic Resonance Imaging**, **Positron Emission Tomography**, **Computed tomography**, **Ultrasound** scanning or any acronym thereof]

2. **The title of this work comes from “La Belle Dame Sans Merci,” and it begins with a “fable for tomorrow.” This book calls upon readers to ask “Who Speaks, and Why?” Robert White-Stevens warned if the arguments of this work were heeded, “we would return to the Dark Ages” and called its author “a fanatic defender of the cult of the balance of nature.” This text warned of the problem of producing (*) resistant populations of mosquitoes, and its conclusions were contested by chemical manufacturers like Velsicol and DuPont. This book coined the term “biocide” to call attention to the indiscriminate use of pesticides. For 10 points, name this 1962 work by Rachel Carson.**
ANSWER: **Silent Spring**

3. **One character with this occupation pays a debt by saving his half-brother Mordaunt Mertoun during a whale-hunt, allowing him to seduce Minna Troil, while another is frightened of the sight of his unnaturally colored blood. In addition to Clement Cleveland, one character with this occupation says, “Many's a long night I've dreamed of cheese — (*) toasted mostly,” and once he is given cheese he tells the novel's protagonist where his coracle is hidden. A former member of this profession has a stroke after being handed a black spot by blind Pew while staying at the Admiral Benbow Inn. For 10 points, name this profession of the crocodile-fearing Old Etonian, Captain Hook.**
ANSWER: **pirate** [accept variants—“**corsair**”, etc.; prompt on “sailor,” prompt on “captain” until “Many's”]

4. **This man fought alongside William de Hauteville and Georgios Maniakis in a Byzantine attack on Sicily. Snorri Sturluson records that it was this man who personally blinded Michael V and helped restore Empress Zoe to the throne. This man married the daughter of Yaroslav the Wise, Elisiv of Kiev, on his return from Constantinople. This man was victorious at the battle of Fulford under the (*) “landwaster” banner, but that success was short lived, after his Anglo-Saxon opponent force marched his army from London in only four days. For 10 points, name this King of Norway who was killed at the Battle of Stamford Bridge alongside Tostig.**
ANSWER: **Harald Hardrada** [accept **Harald Sigurdson** or **Harald III**; prompt on **Harald**]

5. **The artist of this work claimed to have painted it at a point when he was “very hard up and a little mad” and was considering performing the action depicted in this painting. In the background of this painting, a toddler and a brown-gloved hand grasp a scarf below a figure smoking a clay pipe. The rightmost of this painting's two central figures holds the hands of both her husband and her otherwise-invisible baby while sheltering under a (*) black umbrella. In this painting, a paddle-steamer is visible in front**

of the White Cliffs of Dover. An emigrant couple turn away from the title country of, for 10 points, what painting by Ford Madox Brown?

ANSWER: *The Last of England*

6. This city is bordered to the East by the Titiwangsa Mountains, and the Houses of Parliament in this city were built on the edge of its Lake Gardens. Completed in 1994, a tower located in and named for this city is the seventh-tallest telecommunications tower in the world but only remained this city's tallest structure until 1998. This city's Merdeka Square, also called the (*) Padang, was used as a sports venue by the Selangor Club, as well as to announce the 1957 independence of the country of which this city is the capital. For 10 points, name this city, home to the Petronas Twin Towers, the capital of Malaysia.

ANSWER: Kuala Lumpur

7. Mixing cholesterol, phospholipids and Quillaja saponins in the correct ratios can generate ISCOMs, which augment the function of these things. Cats may develop sarcomas termed "FISS" after exposure to these things - those tumours used to develop between the shoulder blades but are now more common in the paw. The use of the preservative (*) thiomersal in these things has been phased out due to unsubstantiated concerns about its safety. Adjuvants may be used alongside to stimulate a stronger response to these things that come in toxoid, inactivated and live-attenuated forms. For 10 points name these things that can provide immunity to an illness.

ANSWER: Vaccines [accept any specific examples of vaccines]

8. The first 747 to visit Cuba, which had been hijacked and then greeted by Fidel Castro, was destroyed in this event. Crew Resource Management was developed in co-operation with NASA following this event, as was a standardisation of the use of the term "take-off". A chief flight instructor, who was described as having "training sickness", Jacob Veldhuyzen van Zanten, was involved in this disaster. A bomb planted by the (*) Guanche Armed forces at nearby Gran Canaria had forced the two planes involved to divert and then attempt to take off in heavy fog. For 10 points, name this deadliest ever "air" disaster which caused the deaths of 583 people after two planes collided at Los Rodeos airport.

ANSWER: Tenerife airport disaster [accept answers including Los Rodeos until mentioned]

9. Formation of a three membered ring intermediate explains the ring contraction in the reaction of the alpha halo cyclic form of this functional group with base in the Favorskii rearrangement. Ethylene glycol protects this functional group by converting them to 1,3 dioxanes. Amines react with this functional group to form Schiff bases, which act as electrophiles in the Mannich reaction. Following reductive work up, (*) ozonolysis of an alkene will generate these compounds, which Grignard reagents convert to alcohols. The formation of a silver mirror in the presence of Tollen's reagent distinguishes between two forms of this functional group, ketones and aldehydes, which are, for 10 points, the two main classes of what functional group characterised by a Carbon Oxygen double bond?

ANSWER: Carbonyl (accept Ketone or Aldehyde before mention, prompt on Carbon-Oxygen double bond before mention)

10. One character in this work is killed when a boy shoots a brass ball into his left eye with a slingshot. The protagonist of this work is called away from his life as a novelist with the words, "There is a way to be good again." The once-rich refugee Baba works at a gas station in this novel, and dies of cancer after arranging the protagonist's marriage to (*) Soraya. As a child, after winning a tournament, that protagonist is brought a prize by his friend with the words "For you, a thousand times over." At the end of this novel, Amir saves Sohrab to atone for his earlier failure to protect Hassan. For 10 points, name this 2003 bestseller, set in Kabul, by Khaled Hosseini.

ANSWER: The Kite Runner

11. This faith calls itself "the world's first carnal religion," and its beliefs are set out in Nine Statements, Eleven Rules of the Earth, and Nine Sins. In 2004, Chris Cranmer became the first open adherent of this

religion in the Royal Navy, and the position of High Priestess was formerly held by its founder's daughter, Zeena, the first person baptized into it. This religion inspired a (*) "panic" in the 1980s, with several murders supposedly committed in its name. A namesake "Church" of this religion adheres to the LaVeyan branch and held a High Mass on 6 June 2006. For 10 points, name this faith, symbolized by a pentagram, which insists it is not devil-worship.

ANSWER: Satanism [accept Church of Satan]

12. One thinker from this country wrote "The Reaction in Germany" under the pseudonym Jules Elysard where he stated that "The passion for destruction is a creative passion, too!". One thinker born in this country argued that competition between nature and living organisms was more important than intra-species competition in (*) *Mutual Aid*. One thinker from this country argued against Marx at the 1872 Hague Congress and after being expelled led a rival International at Saint-Imier. That thinker used the phrase "the people's stick" in his book *Statism and Anarchy*. For 10 points, name this home country of Mikhail Bakunin and Peter Kropotkin.

ANSWER: Russian Empire [Rossiyskaya imperiya]

13. At the beginning of this play, one character asks whether he must wear a cook's hat, and it ends with another lamenting that he has lost a whole day of work. One woman in this play takes her little sister to play by a fountain in a garden, in which another character shoots himself. The only named character in this play, summoned by hanging up (*) hats and coats, convinces the Step-Daughter to work as a prostitute, and The Father nearly becomes her client. For 10 points, name this play, in which Madame Pace [pa-che] and the title figures interrupt a theatre rehearsal of *Mixing It Up* and demand that their story be staged instead, a work of Luigi Pirandello.

ANSWER: Six Characters in Search of an Author [or Sei personaggi in cerca d'autore]

14. One monarch ordered the clubbing to death of around a hundred people during this event with the words "kill the wizards!", having earlier invited them to drink *tywala* beer in his camp. Woman involved in this process used the slogan "barefoot over the mountains to die in freedom." The Battle of Blood River during this process saw the forces of King (*) Dingane defeated by a small force led by a man who went on to help Dingane's half brother, Mpande, seize the Zulu throne. That man was Andries Pretorius. Resulting in the foundation of republics such as Natalia and the Transvaal, for 10 points, name this mass migration of Boers away from the Cape Colony.

ANSWER: The Great Trek [accept Die Groot Trek or Die Grote Trek]

15. Bill Summers blows into a beer bottle on one album by this man. This man, who wrote the soundtrack to the film *Death Wish* won a Grammy for his Joni Mitchell tribute album *River: The Joni Letters*. Another of his albums features a tribute to Sly Stone entitled "Sly". The track "One Finger Snap" opens this man's album (*) *Empyrean Islands*. This man dueted with fellow Nichiren Buddhist Wayne Shorter on the album *1 + 1* and joined Miles Davis' quintet in 1963 as a pianist shortly before recording "Cantelopue Island." For 10 points name this jazz-funk pioneer whose album *Head Hunters* featured the tracks "Chameleon" and "Watermelon Man."

ANSWER: Herbie Hancock

16. The speaker of one of this man's poems embroiders flowers on a black dress, claiming "It would have been different, / Liebchen" in "an orange gown." Helen Vendler called this man's choice of "Earthy Anecdote" to begin one collection a "manifesto," but wondered "of what?" This poet of "Explanation" wrote, "Sing a song of serpent-kin," addressed to (*) "Capitán profundo, capitán geloso", as well as "Call the roller of big cigars" and "A man and a woman / Are one." For 10 points, name this poet, whose *Harmonium* includes "The Revolutionists Stop for Orangeade," "The Emperor of Ice-Cream," and "Thirteen Ways of Looking at a Blackbird?"

ANSWER: Wallace Stevens

17. Until 1994, this company owned the site of what is now the Leavesden film studios. Statues of one of this company's founders stand on the Promenade at Dover and in Agincourt Square, Monmouth, that co-founder of this company first met his business partner-to-be at Manchester's Midland Hotel. This company's last V-12 (*) aero engine was the "Griffon". Modeled on Eleanor Velasco Thornton, this company's mascot is, "the Spirit of Ecstasy." Producer of the Merlin engine, for 10 points, name this British manufacturer of luxury car models like the Phantom and the Silver Ghost.

ANSWER: Rolls-Royce Limited

18. Martin Horne sued the US Department of Agriculture over the legitimacy of a strategic reserve of this product. The chunche is a building used to prepare this product in Turpan, Xinjiang which produces 75% of China's total output of this product. Lorraine Collett, who was working to produce this foodstuff, was drying her hair and wearing her mother's (*) red bonnet when she was signed to advertise this foodstuff. Buddy Miles voiced a singing piece of this foodstuff which had a minor hit with "I Heard it Through the Grapevine." For 10 points, name these dried grapes sold by Sun-Maid and mixed with Bran in a popular cereal.

ANSWER: Raisins (Accept sultanas before Lorraine)

19. The Kubo number determines whether this process occurs under a quasilinear or percolative regime. Alongside mobility and relaxation time, a constant associated with this process was measured for minority carriers in semiconductors, by the (*) Haynes-Shockley experiment. One law about this process states that its namesake flux equals its namesake coefficient times the derivative of concentration with respect to position. Fick's laws describe this process, which can be modelled in fluids by brownian motion. For 10 points, osmosis is an example of what process of passive mass transfer, in which particles move down a concentration gradient.

ANSWER: Diffusion

20. The third movement of a D minor work by this composer features a two part canon between where the viola and cello follow one bar after the violins playing in parallel octaves. Beside that *Witches Minuet*, the second movement *Andante* of one work by this composer opens with staccato quavers in the violins playing C-C-E-E-G-G-E. Another of this composer's works includes a setting of the (*) *Deutschlandlied*, which was earlier written by this composer of the *Fifths* and *Emperor* quartets. This composer wrote a symphony that ends with all but two of the performers exiting the stage. For 10 points, name this Austrian "Father of the String Quartet" who also wrote the *Surprise* Symphony.

ANSWER: Joseph Haydn

Tiebreaker

21. An island off the coast of this peninsula was named Claudia by early explorers, though its current name is the eighth-oldest English place name in the United States. It's not Cornwall, but the town of Truro on this peninsula was depicted in three paintings by Edward Hopper. A beach on this peninsula is named after Guglielmo Marconi, as he made the first transatlantic wireless transmission from this peninsula's town of Wellfleet. This peninsula was the site of the summer residence of John F. Kennedy at Hyannis Port. For 10 points, name this peninsula comprised of Barnstable County, with short ferry connections to Martha's Vineyard and Nantucket in Massachusetts.

ANSWER: Cape Cod

Bonuses

1. The Ratha-Yatra is the most notable annual festival in Odisha. For 10 points each:

[10] "Juggernaut" derives from the name of the god, Jagannath, who, on Ratha-Yatra, is pulled through the streets on a *ratha*, one of these things. In the *Bhagavad Gita*, Krishna drives one of these for Arjuna.

ANSWER: chariot

[10] Murtis of Jagannath lack necks or legs and have arms which sprout from side of their faces which are of this colour. The goddess Kali's name literally means this colour, although she is portrayed as blue.

ANSWER: **black**

[10] The temple of Jagannath at Puri, where the Ratha-Yatra procession begins, is home to the Roshaghara, the largest of these structures in the world where the diverse mahaprasad is created.

ANSWER: **kitchen** (accept equivalents)

2. Corrupt officials from this party made money by fiddling banana import quotas and deliberately misprinting postage stamps. For 10 points each:

[10] Name this Roman Catholic political party that was the largest party in every Italian government from 1945 to 1994.

ANSWER: **Christian Democracy** [**Democrazia Cristiana** -a ccept slight variations]

[10] Although they were never proven, claims that Lockheed had bribed Italian politicians to purchase its aircraft led to the 1978 resignation of this Christian Democrat President.

ANSWER: Giovanni **Leone**

[10] Sicilian Christian Democrats Salvatore Lima and Vito Ciancimino were notable for their close association with this criminal syndicate sometimes called "cosa nostra".

ANSWER: **mafia**

3. Europeans were unaware of the Jewish presence in China until Matteo Ricci encountered a Jewish man from this city nearby Beijing. For 10 points each:

[10] Identify this city in Henan province, home to a Jewish community dating to around the Northern Song Dynasty.

ANSWER: **Kaifeng**

[10] Kahal Kadosh Beth Elohim Synagogue, essentially the first Reform Jewish congregation in the US, is in this second-largest city in South Carolina, which is affectionately known to some as the Kaifeng of the Carolinas.

ANSWER: **Charleston**, South Carolina

[10] Rabbi Moshe Heinemann's Star-K travel guide provides suggestions for how Jews should navigate this barrier while following still *halakhic* rules. Issues for Jewish people living near this barrier often include navigating copulation around *niddah* or knowing how many Hanukkah candles to light.

ANSWER: **International date line**

4. Name some German authors who were obsessed with history, for 10 points each:

[10] This man received the Nobel Prize in Literature in 1902 for being "the greatest living master of the art of historical writing," as demonstrated by works like *A History of Rome*.

ANSWER: (Christian Matthias) Theodor **Mommsen**

[10] This other Nobel Laureate depicted the impact of events like the Nazi invasion of Poland and the Cold War on his hometown in the Danzig Trilogy, but was not exactly forthcoming about his own history as a member of the Waffen-SS.

ANSWER: Günter Wilhelm **Grass**

[10] The title character of this author's *Austerlitz* is an architectural historian who learns about his family's fate in the Holocaust, a search illustrated by enigmatic photographs, a technique this man also used in *The Emigrants* and *Vertigo*.

ANSWER: Winfried Georg **Sebald** [accept Max **Sebald**]

5. For 10 points each, answer the following on the archaeological theory of Vere Gordon Childe:

[10] Childe coined this term to describe the shift from hunter-gather societies to agriculture at the start of the namesake period.

ANSWER: **Neolithic Revolution**

[10] Childe pioneered the use of this term in archaeology based on the work of Gustaf Kossina. Characterized by groups of objects consistently appearing together, examples include Halstatt and Funnelbeaker.

ANSWER: **culture** [accept **cultural** group]

[10] Childe has been seen as the father of this school of archaeology which highlights the subjectivity of archaeological interpretations. It has been supported by Ian Hodder and is often contrasted with processual archaeology.

ANSWER: **post-processual** archaeology (accept **interpretive** archaeology)

6. Answer the following about host defence and immunity in non-animals. For 10 points each

[10] This genome editing technique was derived from a system of acquired immunity in prokaryotes. That system digests DNA of attacking viruses before using the digested fragments to target caspases to replicating viral DNA, thus inactivating it.

ANSWER: **CRISPR** interference [or **Clustered regularly interspaced short palindromic repeats** interference]

[10] In this widespread bacterial defence mechanism, DNA is cleaved when specific sequences are recognised. The host bacteria prevents its own DNA being degraded by methylating certain bases within those specific sequences.

ANSWER: **Restriction Modification** System [or **RM** System, accept **DNA phosphorothioation** which is technically quite similar]

[10] These organisms can produce jasmonate and its derivatives as a way of protecting themselves from herbivory.

ANSWER: **Plants**

7. In this novel, Camoes [cah-monsh] abandons his wife on their wedding-night, putting on her dress to go find his sailor-boyfriend. For 10 points each:

[10] Name this Salman Rushdie novel chronicling the Zogoiby family, whose members include the artist Aurora and her son, Moraes, who ages at twice the normal rate. Its title is taken from a story about the fall of Granada.

ANSWER: *The **Moor's Last Sigh***

[10] Yogesh Murthy seeks to acquire prime real estate in *Last Man In Tower*, a novel by this Man Booker-winning Indian-Australian author of a work cast as a Balam Halwai's letter to Wen Jiabao about his life an entrepreneur.

ANSWER: Aravind **Adiga**

[10] Both *The Moor's Last Sigh* and *Last Man In Tower* are set primarily in this city, the capital of Maharashtra and Rushdie's hometown. Saleem Sinai grows up in the Malabar Hill neighborhood in this city, a setting in most of Rushdie's novels.

ANSWER: **Mumbai** [or **Bombay**]

8. Oligomers or small chains of these compounds are commonly used as primers for PCR or Fluorescence In Situ Hybridisation. For Ten Points Each:

[10] Name these monomers of nucleic acids such as DNA and RNA consisting of a sugar, a nucleobase and a phosphate group.

ANSWER: **Nucleotides** [don't accept "Nucleosides" as these don't include the phosphate groups]

[10] Oligonucleotides are normally synthesised in a method named for this moiety, a monoamide of a phosphite diester, which is attached to the nucleotide in the 3 prime position. Coupling is achieved by nucleophilic attack of the 5 prime alcohol onto the phosphorous, displacing the amide.

ANSWER: **Phosphoramidite**

[10] Since the synthesis doesn't have 100% yield, purification is necessary. That purification is typically done using this procedure, in which the product is pumped through a column of silica particles under a high pressure.

ANSWER: **H**igh **P**erformance **L**iquid **C**hromatography [prompt on partial answer, Performance can be replaced by Pressure]

9. Some of the discarded work from this piece was later worked into its composer's second piano concerto. For 10 points each:

[10] Name this work. Pablo de Sarasate refused to perform it claiming he didn't want to stand on the rostrum and listen to the oboe play the only tune in the *Adagio*.

ANSWER: **Brahms' Violin Concerto**

[10] Like Beethoven, Tchaikovsky and Sibelius, Brahms wrote his violin concerto in this key. This key is the relative major of B minor and contains two sharps on C and F.

ANSWER: **D major**

[10] This American violinist made a recording of Brahms' *Violin Concerto* with no fewer than 16 separate cadenzas. He may be better known for providing the earliest recording of Paganini's *24 Caprices*.

ANSWER: Ruggiero **Ricci**

10. Name some objects that appear in Frida Kahlo paintings.

[10] In both *The Love Embrace of the Universe, the Earth (Mexico), Myself, Diego, and Señor Xolotl* [Sho-lottle], and *Diego and I*, Kahlo depicts Diego Rivera with one of these objects on his forehead.

ANSWER: **eye**

[10] One of Kahlo's many portraits reacting to her constant physical pain puts her face on the body of one of these animals, shot with several arrows. This animal appears on the far right of Kahlo's *The Wounded Table*.

ANSWER: **deer** [accept **stag** or **doe** (the animal has male and female attributes); accept *The Wounded Deer* or *El venado herido*]

[10] In Kahlo's *What the Water Gave Me*, one of these objects emerges from a volcano. A famous one of these objects in New York stands in the center of *The Suicide of Dorothy Hale*.

ANSWER: **skyscraper** [accept **tower**; prompt on "**building**"]

11. This non-American city's Stanley Park is home to a memorial to Warren G. Harding, who fell fatally ill here on his way to San Francisco, where he died. For 10 points each:

[10] Identify this city that lies on a border established by a treaty whose ambiguities provoked the Pig War.

ANSWER: **Vancouver**

[10] Harding was in Vancouver on his way back from becoming the first US President to visit both Canada and the territory that became this state, acquired from Russia by Lincoln's Secretary of State William Seward.

ANSWER: **Alaska**

[10] Another foreign policy coup for the Harding administration was the 1922 signing of this treaty at the Washington Naval Conference, which affirmed the Open Door policy toward China.

ANSWER: **Nine Power** Treaty

12. After Key Kavus had the great idea of conquering Mazandaran, the land of demons, because he liked one of their poems, Rostam, still a child has to retrieve him from his idiocy. For 10 points each:

[10] Rostam is accompanied by Raksh, an animal of this sort which he saves once it gets caught by a lion while sleeping in the reeds. The Nisean breed of these animals, once common in Iran, is now extinct.

ANSWER: **horse**

[10] When Rostam reaches Mazandaran he sees a deer roasting, along with bread, salt and wine, but attracts a demon by doing this. In the Kalevala, Joukahainen [you-ka-HAI-nen] is pushed into a bog when Väinämöinen wins at this sort of contest.

ANSWER: **singing**

[10] After he has freed Key Kavus, Rostam kills this chieftain of the divs whose blood cures Key Kavus' blindness. The story of the killing of this demon has been interpreted as a battle against northern races in Iran.

ANSWER: **Div-e Sepid** (accept the **white** demon)

13. For 10 points each, answer some questions about phase diagrams.

[10] On a traditional Pressure-Temperature phase diagram, the line corresponding to this phase transition typically has a large gradient due to the small change in volume during the formation of a liquid from a solid.

ANSWER: **Melting** (accept **Fusion**)

[10] On a binary phase diagram, this is the lowest melting point for a system. This point describes the temperature at which a system solidifies into a homogeneous solid mixture at a specific composition.

ANSWER: **Eutectic** Point/Temperature

[10] According to Gibb's phase rule, this is the maximum number of degrees of freedom that a two component phase diagram can have, and thus also equal to the maximum number of phases which can coexist under a single set of conditions.

ANSWER: **Four**

14. Answer some questions about technical developments in filmmaking pioneered by Stanley Kubrick. For 10 points each:

[10] Although not the first film to use it, *The Shining* represented the theretofore most versatile use of this brand of body-mounted camera stabiliser patented by Garrett Brown.

ANSWER: **Steadicam**

[10] Kubrick's previous film was this adaptation of a Thackeray novel starring Ryan O'Neal. In this film, Kubrick used a NASA-developed lens with a 0.7 f-stop to shoot scenes without arc lighting.

ANSWER: **Barry Lyndon**

[10] Kubrick worked on *The Shining* and *A Clockwork Orange* with this British cinematographer, who won the Academy Award for Best Cinematography for his work on *Barry Lyndon*.

ANSWER: John **Alcott**

15. Among its many indignities and outrages, the Victorian Era saw the full beard come back into fashion. For 10 points each:

[10] In the early nineteenth century, beards were associated with radical associations like this political movement—even though leaders like William Lovett, Joseph Rayner Stephens, and John Frost were all clean-shaven.

ANSWER: **Chartism** [or **Chartists**]

[10] Beards became fashionable again in the aftermath of this conflict: freezing temperatures forced the British army to relax its restrictions on facial hair, and the triumphant return of the bearded soldiers set a new trend.

ANSWER: the **Crimean War**

[10] In 1861, a new word was coined for large side whiskers, "dundrearies"—from Lord Dundreary, a comic character from this Tom Taylor farce, the play Abraham Lincoln was watching when he was assassinated.

ANSWER: **Our American Cousin**

16. When a man is tired of biographies of Samuel Johnson, he is tired of life. For 10 points each:

[10] Although not the first biography of Johnson, the most famous is undoubtedly that of this friend of his, who also wrote about his travels with Johnson in this man's native Scotland.

ANSWER: James **Boswell**

[10] Another, more critical biography of Johnson was written by this politician and Whig historian who also criticised everything Indian in his *Minute of Indian Education*.

ANSWER: Thomas Babington **MacAulay**

[10] Johnson coined the term "unclubable" to describe this author of the first full biography of him, which was negatively received due to its perceived harshness and rambling nature.

ANSWER: John **Hawkins**

17. This shape is an ellipse with coincident foci and an eccentricity of zero. For 10 points each

[10] Give this shape generated by the cartesian equation: $x^2 + y^2 = r^2$.

ANSWER: **Circle**

[10] The embedding of a circle into 3D Euclidean space generates one of these structures. Two of these structures are equivalent to one another if there is ambient isotopy between them.

ANSWER: **Knot**

[10] One can perform these three eponymous actions to prove that two knot diagrams correspond to equivalent knots. They comprise: untwisting, moving a loop over another, and moving a string over or under a crossing.

ANSWER: **Reidemeister** moves

18. Despite initially supporting the New Deal, this Roman Catholic priest turned against it and publicised his views through the rabidly anti-Semitic newspaper *Social Justice*. For ten points each:

[10] Name this fascist-sympathising American priest, a popular early religious broadcaster with his show on C.B.S.

ANSWER: Father Charles Edward **Coughlin**

[10] Coughlin founded the National Shrine of the Little Flower, in Royal Oak, a suburb of this city, whose suburb of Dearborn's oldest mosque was founded in 1937.

ANSWER: **Detroit**

[10] The Little Flower's tower was described as "a cross *this organisation* could not burn". First founded in 1865, this hood-wearing white supremacist organisation largely targeted Catholics in its second incarnation.

ANSWER: **Ku Klux Klan**

19. Name some plays by Eugene O'Neill, for 10 points each.

[10] This play is set in Harry Hope's saloon, and sees Hickey challenge the other characters to accept the hopelessness of their "pipe dreams," before admitting that he killed his wife. Though at the end of this play Larry insists "Life is too much for me!", it is Parritt who kills himself by jumping off a fire escape.

ANSWER: *The **Iceman Cometh***

[10] In this O'Neill experimental work, characters like Nina Leeds and Charlie Marsden speak their thoughts to the audience in repeated soliloquies.

ANSWER: ***Strange Interlude***

[10] This O'Neill play is the only one of his comedies to have any real posthumous reputation. It depicts the coming-of-age of Richard Miller on the Fourth of July, 1906.

ANSWER: ***Ah, Wilderness!***

20. For ten points each, answer the following on the food of Venezuela:

[10] This is the national dish of Venezuela and can be served *a caballo*, with an egg on top, or con barandas with a plantain handrail. It is a plate of rice, black beans and shredded meat, normally beef, but sometimes capybara.

ANSWER: **Pabellon criollo**

[10] Perhaps the most famous Venezuelan dish is this bun-like staple, made from precooked corn flour. It can be served with a *reina pepiada* or curvy queen filling of avocado and chicken named in honour of a beauty queen.

ANSWER: **Arepa**

[10] Pan de jamon is a Christmas bread filled with bacon, raisins, peppers, olives and this sort of meat, notably produced in Bayonne and Parma.

ANSWER: **ham**