

**VCU Open 2015 Tiebreakers**

**Questions by Cody Voight, Will Nediger, Kenji Golimlim, Evan Adams, and Matt Bollinger**

**Tiebreaker / Replacement Tossups**

**A holder of this position narrowly escaped being killed by a bombing at a mausoleum in Yangon. Another holder of this position founded the Uri Party and was impeached as a result. After the corpse of a student killed by tear gas was found in Masan, the April Revolution forced this position's first holder to resign. The 1979 assassination of a man in this position by his security chief ended the (\*) Yushin period and brought the man who ordered the Gwangju Massacre to power. Another holder of this position sought better relations with his country's neighbor through the Sunshine Policy. Holders of this office live in the Blue House, which was targeted in a 1968 raid in which Unit 124 crossed the DMZ. For 10 points, name this position held by Chun Doo-hwan, Syngman Rhee, and Kim Dae-jung.**

**ANSWER: President of South Korea [or: President of the Republic of Korea]**

**Stephen Spender's review of this novel suggests that it is a thematic adaptation of Alain-Fournier's *Le Grand Meaulnes*. This novel's narrator is in love with a woman who, in a later novel, receives love letters from her cousin Harry Liebenau. This novel's narrator says that its main character looks like Christ the Redeemer, and often uses the adjective (\*) great to refer to him. The main character of this novel is obsessed with the Virgin Mary, but doesn't care about Jesus. The main character of this novel wears a screwdriver around his neck, which he uses to salvage items from a shipwrecked minesweeper. Its narrator, Pilez, is best friends with Joachim Mahlke. For 10 points, name this second novel in Günter Grass's Danzig Trilogy.**

**ANSWER: Cat and Mouse [or: Katz und Maus]**

**A hotel in this state has a grand staircase leading only to a tiny coat check room, allowing guests to make a grand entrance into its lobby. Two post-modern hotels in this state are named for their massive rooftop animal sculptures and are Michael Graves' Swan and Dolphin. A group of buildings known as Child of the Sun were designed by Frank Lloyd Wright for a college in this state. This home to the garish hotels of Morris Lapidus is the site of a lavish mansion called Ca d'Zan, which was built to resemble the Doge's Palace by circus man John Ringling. Philip Johnson used dozens of white columns for his brick town hall in the town of (\*) Celebration in this state. Perhaps the most famous building in this state is a castle inspired by Neuschwanstein which uses extreme forced perspective to appear bigger. For 10 points, name this state where Cinderella Castle can be found in Disney World.**

**ANSWER: Florida**

**This physicist actually introduced the method of light scattering for determining the molecular weight of a polymer. This physicist extended the Einstein formulation of Brownian motion to the rotational motion of molecules with a permanent electric dipole to derive his namesake relaxation. This physicist names the scale over which mobile charge carriers can screen out excess charge. This physicist is the alphabetically prior namesake of a theory that explained the non-ideality of (\*) ionic solutions and can be used to calculate the log of the activity coefficient. A model devised by this scientist adds an additional factor for the number of modes to the Einstein model. For 10 points, identify this scientist who names a theory of electrolytes with Hückel and whose model of heat capacity displays a temperature-cubed dependence at low temperatures.**

ANSWER: Peter **Debye**

**In an early account, this being appears in the dreams of a king sleeping under an apple tree and is explained by the queen's pious mother as signifying future attacks on the church. One story relates that its mother sleeps with a devil and then accuses her own brother of rape, prompting that brother to curse this being. This being has the feet of a hart, the haunches of a lion, the body of a leopard, and the head and neck of a snake. Its most famous attribute, which is sometimes attributed to its unborn children, is the sound of (\*) thirty hounds barking that emerges from its belly. In one story, the Saracen Sir Palamedes is only able to slay this being after he converts to Christianity. For 10 points, name this creature which is also pursued by Sir Percival and his father King Pellinore and whose name derives from their task.**

ANSWER: **Questing Beast** [or Beast **Glatissant**]

### **Replacement Bonuses**

The author of this book recalls his trip to the Mammoth Cave in its final essay, *Illusions*. For 10 points each:

[10] Name this set of nine essays, including *Fate*, *Wealth* and *Behavior*.

ANSWER: *The* **Conduct of Life**

[10] The penultimate essay from *The Conduct of Life*, *Beauty*, is similar to this essay by the same author, which discusses the title phenomenon in relation to *Commodity*, *Beauty*, *Language* and *Discipline*.

ANSWER: **Nature**

[10] *The Conduct of Life* and *Nature* are by this transcendentalist essayist, who also wrote *Self-Reliance*.

ANSWER: Ralph Waldo **Emerson**

Though some of the basic methods used in this technique are pretty much the same as ELISA, it has much greater sensitivity down to the level of a single cell. For 10 points each:

[10] Name this commonly used immunoassay that cultures cells on a surface coated with a specific capture antibody, removes them, then uses a detection antibody that will cause the appearance of spots.

ANSWER: **ELISPOT** [or: **Enzyme-Linked ImmunoSpot**]

[10] ELISPOT can be adapted for diagnosing this disease, though studies are inconclusive as to whether it has a better sensitivity than the Mantoux test for diagnosing this disease, which injects a small sample into a human's skin.

ANSWER: **TB** [or: **tuberculosis**]

[10] ELISPOT and ELISA are often carried out in these laboratory devices that typically come with 96, 384, or 1536 tiny containers. They're arranged in 2-to-3 rectangular matrix.

ANSWER: **microtiter plate** [or: **microplate**, **microwell plate**, **multiwell**]

Answer the following about European armies' use of spears, for 10 points each.

[10] At the Battle of Bannockburn, the Scottish under Thomas Randolph effectively used a circular variant of this formation.

ANSWER: **schiltrons**

[10] This classic rectangular formation was made up of several spear-wielding hoplites. This formation took its name from the Greek word for finger.

ANSWER: **phalanxes** [or: **phalanges**]

[10] The 100-man pike square formation was used by the army of this country, who helped Lorraine defeat Charles the Bold at the Battle of Nancy.

ANSWER: **Switzerland** [or: **Swiss Confederation**, **Suisse**, **Schweiz**]

This church is led by the Ecumenical Patriarch of Constantinople. For 10 points each:

[10] Name this second largest division of Christianity which has powerful branches in Greece and Russia.

ANSWER: Eastern **Orthodox** Church

[10] This mountain in northern Greece is the site of a semi-autonomous republic where monks inhabit 20 Greek Orthodox monasteries.

ANSWER: Mount **Athos**

[10] This Greek Orthodox monastery at the foot of Mount Sinai was the site of the discovery of the rare handwritten Greek Bible called the Codex Sinaiticus.

ANSWER: **Saint Catherine's** Monastery

A set of tapestries named after this type of animal includes five tapestries representing the five senses, and a sixth labeled *à mon seul d sir*. For 10 points each:

[10] Name this type of animal, which is hunted in a set of seven tapestries now found in The Cloisters in New York.

ANSWER: **unicorn**

[10] A much more famous tapestry is this one, depicting the Norman conquest of England.

ANSWER: **Bayeux** Tapestry [or: *Tapisserie de **Bayeux**, La **telle du conquest***]

[10] This artist made a series of 63 tapestry cartoons, including *Blind Man s Bluff* and *The Parasol*. They are much more light-hearted than his later works, such as *Man Mocked by Two Women* and *Yard with Lunatics*.

ANSWER: Francisco (Jos de) **Goya** (y Lucientes)