

Delaware Winter Invitational, 2010
Animal Planet packet by Mark Pellegrini
Tossups

1) **In 1844, Friedrich Bessel discovered that it is actually a binary system, and Walter Sydney Adams later determined that the companion is a white dwarf, the first white dwarf to be discovered. With Procyon ["Pro-see-yon"] and Betelgeuse, this star forms the Winter Triangle. Several ancient cultures believed that the rising of this star marked the start of summer. With a apparent magnitude of -1.46 ["minus one point four six"], it is the brightest star in the night sky. This is for ten points what star also known as the dog star?**

ANSWER: Sirius A (Accept Canicula or Aschere or Alpha Canis Majoris; accept the dog star before it is mentioned in the question)

2) **This fourteen movement work is scored for 11 pieces, including a xylophone and glass harmonica. After the work's debut performance by the Societe de la Trompette, the composer decided he hated the piece, and suppressed performances of it, giving only one private one for his close friend, Franz Liszt. The first movement, *Introduction and Royal March of the Lion*, is followed by *Hens and Cocks*, *Wild Asses*, and *Tortoises*. Only one movement from this piece, *the Swan*, was published in the composer's lifetime. This is for ten points what suite by Camille Saint-Saens ["San sahn"]?**

ANSWER: The Carnival of the Animals or Le Carnaval des Animaux

3) **He was so touchy about his baldness that he made it punishable by death to look down at him from a high place. He summoned Ptolemy of Mauretania to Rome, and then had him executed, sparking the Berber revolt. Although initially popular with the masses, after the death of his sister Drusilla, he became cruel and later, crazy. Instead of finishing the Roman conquest of Britain, he ordered his troops to collect sea shells, and allegedly tried to appoint his horse Incitatus ["In-sih-tah-tus"] as consul. This is for ten points what Roman Emperor who succeeded Tiberius, whose name comes from the miniature uniform he wore as a child?**

ANSWER: Caligula (Accept: Gaius Caesar Augustus Germanicus)

4) **In *The Philosophy of Composition*, this poem's author described the careful planning that went into this poem's creation. Originally sold to *The American Review* for \$9, the titular character of is described as "shorn and shaven" as it rests on a bust of Athena. Meanwhile, the unnamed narrator of the poem struggles with his conflicting desires to both forget and cherish the memory of his lost love, Lenore. This is for ten points what poem about a bird by Edgar Allen Poe?**

ANSWER: The Raven

5) **It included observations that the speaker's wife did not own a mink coat, and that unlike his opponent the speaker did not inherit great wealth. This speech was given to defuse a scandal involving a slush fund created by Murray Chotiner for the speaker. The speaker, who was running for a second term as Vice President, denied that he had personally profited from his office, except for a dog he insisted on keeping. This is for ten points what September 23, 1952 speech by Richard Nixon named for that cocker spaniel?**

ANSWER: Checkers speech

6) **Fort Hall Indian Reservation, Massacre Rocks State Park, and Swan Falls Dam can all be found on its banks.** It rises in Two Oceans Plateau and flows 1,040 miles westward to Pasco, Washington, where it flows into another river. American Falls, CJ Strike, Browlee, and Hells Caynon are some of the dams on this river, which forms most of the Oregon-Idaho border. This is for ten points what tributary of the Colombia river?

ANSWER: Snake River

7) **Dorothy Hodgkin first deduced the structure of this complex organic molecule, which contains a tetrapyrrole ring system called a corrin ring.** Robert Woodward and Albert Eschenmoser were able to produce it artificially in 1973 in a synthesis involving nearly 100 steps. George Whipple discovered that dogs could be cured of a certain disease by feeding them liver, leading George Minot and William Murphy to isolate this vitamin for the first time. Unusual for an organic molecule in that it contains cobalt, this is for ten points what vitamin whose deficiency causes pernicious anemia?

ANSWER: Vitamin B-12 (Accept: cyano-cobalamin)

8) **His last act was to grant mercy to his killer, Pierre Basile, who shot him with a crossbow bolt during the siege of Chalus castle. This third son of Henry II** was captured by Leopold of Austria and ransomed for 150,000 marks, which was raised by his mother, Eleanor of Aquitaine. After briefly returning to England to set his brother John straight, he campaigned in France against Phillip II, who had fought at his side during the Third Crusade. This is for ten points what King of England who fought against Saladin?

ANSWER: Richard the Lionheart or Richard I or Richard Coeur de Lion or Oc et No or Melek-Ric

9) **Certain details in this painting, such as Morro Castle in the upper-right corner, show that this painting was based on engravings from Peter Canot. Two young men in white shirts** reach out for the titular character, who is floating on his back looking up at them. That figure later grew up to be Lord Mayor of London and a Baronet, despite his missing leg. Depicting an event that took place in Havana harbor in 1749, this is for ten points what painting by John Singleton Copley showing a 14-year-old boy being attacked by a shark?

ANSWER: Brook Watson and the Shark

10) **Minor characters in this novel include Minimus, Pinkeye, and Mr. Whymper, who acts as an intermediary between inhabitants of the titular location and the outside world.** During the Battle of the Cowshed, the windmill is destroyed, although Mr. Jones fails to regain control of the titular location. Its guiding principles are summarized in the Seven Commandments, but these are later modified by Squealer to permit sleeping in beds and drinking alcohol. An allegory to the Russian Revolution, this is for ten points what 1945 novel by George Orwell?

ANSWER: Animal Farm

11) **In 2009, Hall P. Beck published an article identifying the subject of this experiment as Douglass Merritte. This experiment was reported in the Journal of Experimental**

Psychology in an article titled *Conditioned Emotional Reactions*. The 11-month old son of a wet nurse at Harriet Lane home for Invalid Children was exposed to a rat and then to a loud noise. The baby learned to cry when the rat was shown, demonstrating classical conditioning. This is for ten points what 1924 psychological experiment conducted by John B. Watson?
ANSWER: Little Albert experiment

12) His teeth are inscribed with runes, and in art he is often depicted with a snake between his legs. He can travel through the sky, across water, or into Hel, which is where Hermod takes him in a failed attempt to rescue Baldur. In order to prevent the walls of Asgard from being built, Loki transformed himself into a mare, but got knocked up and gave birth to this mythological figure. Son of Svadilfari, this is for ten points what eight-legged horse of Odin?
ANSWER: Sleipnir

13) At the age of fifteen, this author quit his job and moved to San Francisco to become the "Prince of the Oyster Pirates." In 1900, he published the short story collection *The Son of the Wolf*, which he followed up with a novel about Humphrey van Weyden and other survivors of a ferry sinking who are rescued by the brutal captain Wolf Larsen. This author of *The Sea Wolf* is, for ten points, what writer best known for *White Fang* and *The Call of the Wild*?
ANSWER: Jack London

14) Eugene Wigner extended it by adding a friend who acts as an intermediary, describing the result to the titular person when he returns to the lab. This thought experiment was put forth as a macroscopic demonstration of the seemingly impossible concept of eigenstate presented by the Copenhagen interpretation. Further analysis of this thought experiment gave rise to the concept of quantum entanglement. Put forth by its namesake Austrian physicist, this is for ten points what thought experiment involving a box, a flask of hydrocyanic acid, and a namesake feline?
ANSWER: Schrodinger's cat

15) In 2000, Robert Prescott's team confirmed that remains in the River Roach are from this ship, which was originally a Cherokee Class brig. Its first captain, Pringle Stokes, killed himself while on board, leading some to think the ship cursed. Afterward, under command of Robert FitzRoy, this ship left England to circumnavigate the world. This is for ten points what ship that sailed to the Galapagos islands carrying Charles Darwin?
ANSWER: HMS Beagle

16) This author wrote *Cynegeticus*, a book about hunting, and *Oeconomicus*, which describes household management and agriculture. He also authored *Hipparchicus*, a how-to for cavalry tactics, and *On Horsemanship*, where he explained the selection, care, and training of horses, leading some people to claim he was the original horse whisperer. During the Peloponnesian war he served in the Athenian cavalry, while in his youth he joined the Ten Thousand in Cyrus the Younger's expedition against Artaxerxes II. This is for ten points what author of the *Anabasis* and the *History of the Peloponnesian War*?
ANSWER: Xenophon

17) **She is the titular character of a 2007 graphic novel by Nick Abadzis. In 2002, it was revealed that she died from overheating and stress, and not suffocation as was commonly thought.** She was adopted off the streets and named Kudryavka ["Could-ree-ahv-kuh"], but that name proved too hard for foreigners to pronounce so it was changed. Dubbed Muttnik by the American press, her body disintegrated on April 14, 1958 along with the rest of Sputnik II. This, is for ten points, what dog who became the first animal in space?

ANSWER: Laika

18) **He began his criminal career with the attempted assassination of Joseph Sieff, but made international headlines two years later when he led a six man team that took over sixty hostages at OPEC's headquarters in Vienna.** In 1994, while undergoing an operation in Sudan, he was arrested by French intelligence. He got his nickname from a headline in the Guardian, based on the fact that he owned a certain novel by Frederick Forsyth. Currently incarcerated in Clairvaux Prison, this is for ten points what terrorist named for the book *The Day of the Jackal*?

ANSWER: Carlos the Jackal (Accept: Ilich Ramírez Sánchez; accept The Jackal until it is mentioned in the question)

19) **This character, originally created for the Sega Genesis, has appeared in two sequels, "Codename Robocod" and "Operation Starfish",** all of which were published by Electronic Arts. All three games are puzzle-solvers where this titular character goes up against Dr. Maybe, and has to survive levels such as "License to Bubble", "A View to Spill" and "Leak and Let Die". This is for ten points what James Bond homage, a tuxedo wearing gold fish?

ANSWER: James Pond

20) **The story of this figure's birth is told in Judges chapter 13. In one story, this son Manoah is attacked by a lion and** tears it apart with his bare hands. In another story, this last biblical judge slays one thousand Philistines using a donkey's jawbone. He is eventually captured and blinded, but before he can be sacrificed to Dagon, he collapses the Philistine temple on his captors and himself. This is for ten points what husband of Delilah whose strength came from his long hair?

ANSWER: Samson

21) **His novel *The Marriage of Heaven and Hell* contains "Seventy Proverbs from Hell" and prophecies of the end of all oppression. His books of poetry include *The Book of Thel* and *Jerusalem*, both of which he illustrated himself. An accomplished painter,** he was commissioned to paint over 100 biblical scenes, including *Ancient of Days*, *The Lovers' Whirlwind*, and *The Great Red Dragon Cycle*. Author of *Songs of Innocence and of Experience*, this is for ten points what British engraver, painter, and poet, whose best known poems are "The Lamb" and "The Tyger?"

ANSWER: William Blake

22) **During this period in the fossil record, dogs and bears developed hyper-carnivorous features, to fill an empty ecological niche. Its cause is not known, although one theory is that decreasing temperatures caused North American forests to evolve into savannas,**

making it difficult for the titular family of animals to hunt. This period ended when North America was recolonized by surviving populations in Asia descended from Pseudaelurus. Lasting from 25 to 17 million years ago, this is for ten points what paleontological period during which most felines went extinct?

ANSWER: **Cat gap**

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Bonuses

1) Name some things about the play *The Frogs* for ten points each

[10] Who wrote it?

ANSWER: **Aristophanes**

[10] The play revolves around what Greek god's attempt to rescue Euripides from Hades?

ANSWER: **Dionysus**

[10] Instead of Euripides, Dionysus ends up bringing back what author of *Seven Against Thebes*?

ANSWER: **Aeschylus**

2) Name these diseases from a description for ten points each.

[10] This virus attacks the respiratory system, and though there is "no cure for the common" strain, interferon has been shown to slow its progress.

ANSWER: **Rhinovirus** (prompt on "cold")

[10] This prion, responsible for Creutzfeldt-Jakob disease in humans, is spread by eating infected tissue.

ANSWER: **Mad cow** disease (Accept: **Bovine Spongiform Encephalopathy**)

[10] The Reston strain of this virus was discovered in monkeys, and later found in pigs. An Ivory Coast strain of this filovirus was communicated from a chimpanzee to a human.

ANSWER: **Ebola**virus

3) Name some things about military operations of World War II, for ten points each

[10] Operation Husky was the code name for the 1943 Allied invasion of this island in the Mediterranean.

ANSWER: **Sicily**

[10] This was the July 1944 Allied break-out from Normandy, which shares its name with a type of snake.

ANSWER: Operation **Cobra**

[10] The proposed German invasion of Britain was known by what codename, which also names a group of aquatic mammals?

ANSWER: Operation **Sealion**

4) Name some concepts from philosophy related to choice for ten points each

[10] In this paradox, a donkey is placed exactly halfway between two stacks of hay, and starves to death because it cannot decide which one to eat.

ANSWER: **Buridan's ass**

[10] A "take it or leave it" choice is also known as this, named for a 16th century British stable owner who gave customers the choice of the first horse in his stalls or none at all.

ANSWER: **Hobson's** choice

[10] A situation where both choices lead to the same unpleasant outcome is known as this.

ANSWER: **Morton's fork** (accept **Sophie's** choice)

5) Name these paintings with dogs in them for ten points each.

[10] Philadelphia Museum of Art owns this 1926 Joan Miro painting that depicts a dog, a ladder, and the moon.

ANSWER: **Dog Barking at the Moon**

[10] The brown dog in the foreground of this Jan van Eyck painting represents the fidelity of the titular characters.

ANSWER: The **Arnolfini Wedding**

[10] Several dogs are visible in this most famous work of George Surat, set on a titular island in the Seine river.

ANSWER: A **Sunday Afternoon on the Island of La Grande Jatte**

6) Name some chemicals for ten points each

[10] This amine was first isolated from ox bile in 1827. It is used as an ingredient in many energy drinks.

ANSWER: **Taurine**

[10] This purine was first isolated from bat feces, from which it gets its name.

ANSWER: **Guanine**

[10] In 2008, scientists cracked the structure of this blue protein found in the White-lipped Tree Frog. It is named for the fictional blue creatures created by the cartoonist Peyo.

ANSWER: **Ranasmurfin**

7) The titular character and his shipmates are led to safety by a bird which the titular character shoots with a crossbow. For ten points each

[10] This is the plot of what poem?

ANSWER: The **Rime of the Ancient Mariner**

[10] Who wrote *The Rime of the Ancient Mariner*?

ANSWER: Samuel Taylor **Coleridge**

[10] What kind of bird does the mariner shoot?

ANSWER: **Albatross**

8) While traveling through Israel, this biblical figure's donkey starts complaining about how he treats her. For ten points each

[10] Who is this son of Beor?

ANSWER: **Balaam** ["Bay-lum"]

[10] Balaam's story appears in which book of the Bible?

ANSWER: **Numbers**

[10] Balaam's donkey starting talking to him while Balaam is on his way to see what king of Midian?

ANSWER: **Balak**

9) His pug, Pompey, saved him from an assassination attempt in Hermigny, France. But Pompey failed to prevent another assassination attempt in 1584, and he died. For ten points each

[10] Who was this leader of the Dutch revolt against the Spanish in the Eight Years War?

ANSWER: **William I** or **William of Orange** or **William the Silent**

[10] Who assassinated William of Orange?

ANSWER: Balthasar **Gerard**

[10] Gerard assassinated William of Orange at the behest of what Spanish king whose wife was Isabella?

ANSWER: **Phillip II** of Spain

10) Name some mythological animals for ten points each

[10] This Egyptian sun goddess is often depicted as a cat holding an ankh.

ANSWER: **Bast** (Accept: **Bastet** and **Bubastis**)

[10] In Hindu mythology, this monkey general from the Ramayana was the son of Anjana and Vayu

ANSWER: **Hanuman** (Accept **Anjaneya** and **Maruti**)

[10] According to legend, the twins Romulus and Remus were suckled by this she-wolf who is named for one of the seven hills of Rome.

ANSWER: **Capitoline wolf**

11) Otto von Guericke invented the first one in 1650, which he used on the Magdeburg hemispheres. Thirty horses could not pull the spheres apart. For ten points each

[10] What is this device which removes gas molecules from a sealed chamber?

ANSWER: **Vacuum pump** (Prompt on vacuum)

[10] Von Guericke's experiment built on work done by this Italian scientist, who invented the first mercury barometer. He has a non-SI unit of pressure named for him.

ANSWER: Evangelista **Torricelli**

[10] Heinrich Geissler later refined Von Guericke's pump, which allowed electrical properties of vacuums to be studied. This led Lee De Forest to invent what device in 1906?

ANSWER: **Vacuum tube** (Accept: **Audion**)

12) After visiting his old high school basketball coach, Harry Angstrom begins an adulterous affair with Ruth and gets her pregnant. Harry's wife Janet gives birth to Rebecca, and then accidentally drowns her after getting drunk. For ten points each

[10] This is the plot of what 1960 novel which gets its title from Harry's nickname?

ANSWER: **Rabbit, Run**

[10] Who wrote Rabbit, Run?

ANSWER: **John Updike**

[10] Rabbit Run spawned four sequels. Three of them are novels and one is a novella. Name any of them.

ANSWER: **Rabbit Redux** or **Rabbit Is Rich** or **Rabbit At Rest** or **Rabbit Remembered**

13) Given a description of some fictional dogs, name them for ten points each

[10] In the first Harry Potter book, Rubeus Hagrid uses this three-headed dog to guard the entrance to the chamber where the Philosopher's stone is hidden.

ANSWER: **Fluffy**

[10] Garfield the cat is frequently tormented by this beagle who likes to give him slobbery kisses

ANSWER: **Odie**

[10] On Scrubs, J.D. and Turk own this stuffed dog.

ANSWER: **Rowdy**

14) After being defeated at the battle of Actium, she killed herself using an asp. For ten points each

[10] Who was this Egyptian lover of Marc Antony?

ANSWER: **Cleopatra VII**

[10] Cleopatra ascended to power after her brother, Ptolemy XIII, was forcibly deposed for assassinating what Roman senator?

ANSWER: **Pompey** the Great (Accept: **Gnaeus Pompeius Magnus**)

[10] Marc Antony and Octavian formed the Second Triumvirate with what other patrician?

ANSWER: Marcus Aemilius **Lepidus**

15) In *Walden Two*, he described a near-Utopian community using the behaviorist principles he helped devise. For ten points each

[10] Who is this American psychologist whose non-fiction works include *Reflections on Behaviorism and Society* and *Beyond Freedom and Dignity*?

ANSWER: B.F. **Skinner**

[10] Skinner is perhaps best known for creating this device which contains buttons. When those buttons are pressed by a rat or pigeon, the animal receives food, water, or an electric shock.

ANSWER: **Operant conditioning chamber** (Accept: **Skinner box**)

[10] Possibly Skinner's best known work is this book on linguistics and speech, which he wrote in response to a challenge by Alfred North Whitehead.

ANSWER: **Verbal Behavior**

16) Name some compositions by Igor Stravinsky for ten points each

[10] Perhaps Stravinsky's best-known work is this 1910 ballet. It is based on a Russian folk tale of the same name about a magical bird

ANSWER: The **Firebird**

[10] This other ballet by Stravinsky caused a riot when it premiered. Its two parts are *Adoration of the Earth* and *The Sacrifice*.

ANSWER: The **Rite of Spring**

[10] Stravinsky based this three act opera on a tale by Hans Christian Anderson, but changed the setting to China.

ANSWER: The **Nightingale**

17) Basil is devoured by bears, Fanny is sucked dry by leeches, and Xerxes is eaten by mice. For ten points each

[10] This is what 1963 book about children with alphabetical names who die in different ways?

ANSWER: **Gashlycrumb Tinies**

[10] Who wrote the Gashlycrumb Tinies?

ANSWER: Edward **Gorey**

[10] The Gashlycrumb Tinnies served as the inspiration for this mystery author, whose most recent book is *"U" Is for Undertow*

ANSWER: Sue **Grafton**

18) And now for a question on worms - the Diet of Worms, that is.

[10] The Diet of Worms is most memorable for its edict condemning what man as a heretic?

ANSWER: Martin **Luther**

[10] The Diet of Worms was organized at the behest of this Hapsburg Holy Roman Emperor, who also funded Magellan's voyage.

ANSWER: **Charles V** (Accept: **Charles I** of Spain)

[10] The Diet of Worms occurred during the reign of what Pope, whose papal bull *Exsurge Domine* outlined 41 mistakes in Luther's theses.

ANSWER: Pope **Leo X**

19) In 2006, after seven years of searching, Neil Shubin discovered a missing link between fish and land animals. For ten points each

[10] Shubin discovered what genus of half-fish-half-tetrapods?

ANSWER: **Tiktaalik** ["Tick-tah-lick"] (Prompt on fishapod)

[10] Tiktaalik dates back to what geologic period, which lasted from from 416 to 359 million years ago, and is named for a town in England?

ANSWER: **Devonian**

[10] Shubin discovered Tiktaalik on Ellesmere Island in what country?

ANSWER: **Canada**

20) His 1498 self-portrait depicts him as a fop, and his 1500 self-portrait makes him look like Jesus. For ten points each

[10] Who was this German painter and engraver whose other works include *Four Apostles*, *The Cannon*, and *Lamentation for Christ*?

ANSWER: Albrecht **Durer**

[10] Durer did a woodcut of one of these animals after Manuel I of Portugal had one imported and sent to the pope. Since Durer never actually saw the animal, his engraving has numerous mistakes, including armor, a gorget, and horns on its butt.

ANSWER: Dürer's **Rhinoceros**

[10] This cryptic Durer engraving contains a dog, ladder, polyhedron, hourglass, rainbow, and a winged figure with writer's block.

ANSWER: **Melencolia I**

21) Name some locations that have something in common, for ten points each

[10] This region in northeast Spain has its own namesake language. It was later joined with Aragon.

ANSWER: **Catalonia**

[10] This mountain range in New York includes Slide, Blackhead, and Panther mountains.

ANSWER: **Catskills**

[10] This city, located at the foot of the Himalayas, is the capital of Nepal.

ANSWER: **Kathmandu** ["Cat-man-do"]

22) The titular character is raised as a goat, but struggles to become a hero and a Messiah. For ten points each

[10] This is the plot of what 1966 novel?

ANSWER: **Giles Goatboy**

[10] What author of *The End of the Road* and *The Tidewater Tales* wrote *Giles Goatboy*?

ANSWER: John **Barth**

[10] Giles tries to be a hero by doing all the tasks listed in what book of comparative mythology by Joseph Campbell?

ANSWER: The **Hero with a Thousand Faces**