

Yale University

Bulldogs over Broadway--December 4, 2004

Edited by Mike Wehrman

Packet by Harvard

Tossups:

1. This architect's work is notably depicted in the *School of Athens* of Raphael, who bought a palace this artist designed in the Borgo district near the Vatican. He began his career by studying painting in Urbino in Piero della Francesca's circle, and in 1490 he moved to Milan where he worked with Leonardo on such projects as the church of Santa Maria delle Grazie. In 1499 he moved to Rome where Julius II named him chief architect of Saint Peter's Basilica, for which he designed a plan based on a Greek cross. For ten points, identify this architect, perhaps best remembered for his chapel at the purported site of St. Peter's martyrdom, the Tempietto.

Answer: Donato Bramante

2. Its upper section is dominated by the Akosombo Dam and the huge lake it forms, from which the section known as the Mouhoun or "Black" flows. Like the Nile, this river also has a "White" tributary, but unlike the Nile it also has a "Red" one, the latter of which splits from the "White" near the town of Du in the north of the country, flowing north parallel to the "White" into neighboring Burkina Faso. FTP, identify this chief river of Ghana, which forms part of the old name for Burkina Faso.

Answer: Volta River

3. The comet less famously known as 109P orbits the Sun every 135 years and spends most of its time in the far reaches of the solar system. On each pass inward, bits of dust boil from the comet's surface and when Earth passes through the debris, the bits are vaporized in the atmosphere. These vaporizations from the comet better known as Swift-Tuttle can appear anywhere in the sky, but if traced back they will appear to emanate from a point in a certain constellation. The result is, for ten points, this annual event, a meteor storm that occurs every August.

Answer: Perseids or Perseid Meteor Shower

4. In the second chapter of this work, called "Pontius Pilate," the reader receives an eye-witness account of the hours leading up to Jesus' crucifixion as seen by "a strange professor," the devil, a.k.a. Wolond. That character then offers Mikhail Berlioz and Ivan Ponryev a "seventh proof" of the existence of God by predicting Berlioz's decapitation. Also featuring a vodka-quaffing cat named Behemoth, towards the end one title character sells her soul to free the other from a mental hospital. FTP this describes what novel about Stalinist Moscow by Mikhail Bulgakov.

Answer: *The* Master and Margarita

5. Born in Phrygia, in his early life he was sold as a slave to Epaphroditus, a powerful freedman of the emperor Nero, and came to Rome where his master allowed him to study under Marsonius Rufus, an associate of Seneca. Though he probably wrote nothing, his pupil Arrian recorded the lecture notes of this man's school at Nicopolis into two works that survive to this day. A famous metaphor of his compares human life to that of a dog being dragged behind a chariot, a view of freedom which aligns him with his heroes Cleanthes, Chrysippos, and Zeno. FTP, identify this Stoic philosopher of the 1<sup>st</sup> and 2<sup>nd</sup> centuries AD, famous for his *Discourses* and the *Enchiridion*, variously translated as *Manual* or *Handbook*.

Answer: Epictetus

6. After an abortive marriage with George Sand's niece and his traumatic relationship with the troubled Elisa Gros, he left Paris for the countryside where he began painting landscapes influenced by the likes of

Constable and Ruisdael, such as 1844's *Under the Birches, Evening*. He can be described as one of the first French environmentalists, having successfully petitioned Napoleon III to protect Fontainebleau forest. For ten points, identify this great friend of Jean-Francois Millet, the founder of the Barbizon School.

Answer: Theodore Rousseau

7. The general way to create them, devised in 1975 by Kohler and Milstein, is to mix spleen cells from a mouse that has been immunized with the desired antigen with myeloma cells, a cancerous form of B cells, resulting in a hybridoma. Widely used as diagnostic and research reagents, they have also been introduced as medicines, such as rituximab, which binds to the CD20 molecule found on most B-cells. For ten points, name these antibodies, all of a single specificity because they were made by a single clone of plasma cells.

Answer: Monoclonal antibodies

8. At the beginning it mentions Sosthenes, who is perhaps the man beaten by Jews angry at the author's circle in Acts 18. It was written as a corrective to a community of early Christians whom the author had baptized; they, however, had misunderstood his teachings to the extent that they believed that there are no laws at all. Perhaps the most famous part of the letter is chapter 13, in which the writer admonishes: "So faith, hope, love, abide, these three: but the greatest of these is love" and predicts that though we now "see through a glass, darkly" when the Messiah comes we will see "face to face." FTP name this book of the New Testament, written by Paul and addressed to a Greek congregation.

Answer: Paul's First Letter to the Corinthians or I Corinthians

9. Private insurance tries to keep the insured value of any misfortunate less than the value to the insured person. However, when a person weighs the costs and benefits of an action and finds that the benefits exceed the costs, he takes action. Thus, fire insurance encourages arson, automobile insurance encourages accidents, and disability insurance encourages dismemberment. For ten points, name this effect, the tendency of someone insured to alter his behavior so that payment becomes more likely.

Answer: Moral Hazard

10. In the fifth verse of this poem the narrator asks the title entity "Make me thy lyre, even as the forest is" and to "Be through my lips to unawaken'd earth / The trumpet of a prophecy!" Earlier he describes that entity as "breath of Autumn's being" and that which "chariotest to their dark wintry bed / The winged seeds." Ending with "If Winter comes, can Spring be far behind?" FTP this describes what poem by Percy Bysshe Shelley.

Answer: Ode to the West Wind

11. The Lipschitz variety of this property requires a constant  $K$  greater than zero bounding the distance of "f of x" and "f of y" relative to x and y. A homeomorphism has this property for itself and its inverse, and in topology, a function has this property if open sets in the range have open preimages. FTP this describes what property of functions, which is implied by differentiability but not vice versa.

Answer: Continuousness (or continuity)

12. In an attempt to strengthen its forces and as part of its appeal to "all sorts and conditions of men" its leaders sent envoys to the Allobroges, a tribe living on the outskirts of Cisalpine Gaul. But despite the persuasion of Publius Umbrenus, the tribal leaders chose to curry favor with the Senate and communicated all it had heard to Quintus Sanga, their patron in Rome. As a result Volturcius was arrested on the Milvian Bridge, the arrest of Lentulus soon followed, and Cato outspoke Caesar in the Senate in favor of executing the conspirators. FTP identify this plot to overthrow the Roman Republic, recorded by Sallust and foiled by consul Cicero in 63BC.

Answer: The Catiline Conspiracy

13. The classical study of this phenomenon was performed by Jones and Harris in 1967 in which subjects listened to students reading pro- and anti-Castro speeches and assigned corresponding feelings to the readers. When told that the readers were assigned their speeches randomly, subjects still judged pro-Castro readers to have pro-Castro feelings. FTP this describes what psychological phenomenon in which people emphasize dispositional explanations for observed behavior instead of situational explanations.

Answer: **Fundamental attribution error**

14. He plays the part of a director in *Day for Night*, though he made his acting debut in *Fool's Mate*. However he was much more famous as a critic for the *Cahiers du Cinema* and directing his own films, which included films on the autobiographical character Antoine Doinel. Director of *Stolen Kisses*, *Love on the Run*, and *Bed and Board*, FTP names this French director famous for the movies *Jules and Jim* and *The 400 Blows*.

Answer: Francois **Truffaut**

15. Jonathan Franzen's *New Yorker* essay "Mr. Difficult" is a self-congratulatory account of reading the whole thing. Jack Green's *Fire the Bastards!* is a scathing indictment of the stupidity of the reviews that greeted it, for its author didn't write another novel for 20 years because of the criticism. The narrator of David Markson's *Wittgenstein's Mistress* is obsessed with its author. Thomas Pynchon and Don DeLillo among others have recognized how much their ambitious novels owe to it. For ten points, identify this encyclopedic 1955 novel by William Gaddis, the story of Wyatt Gwyon, a former seminarian who becomes a forger of Flemish masterpieces.

Answer: The **Recognitions**

16. Like Harold II of England, this man was supposedly killed when a projectile pierced his eye, but unlike Harold, he preferred his elderly mistress, Diane de Poitiers, to his bourgeoisie Florentine Queen. Duke de Guise persuaded him to continue his father Francis I's disastrous dynastic wars. His 1559 edict of Ecouen initiated the persecution of Protestants, which led to the 1572 St. Bartholomew's day massacre in Paris 13 years after his death. FTP, identify husband of Catherine de Medicis and King of France from 1547-1559, killed at a jousting tournament celebrating the end of the Habsburg-Valois Wars.

Answer: **Henry II**

17. A scandal besets the town in Act I when Paca la Roseta is accused of sexual indiscretion, leading the title character ironically to call her, "The only bad woman we have in this town." Little does she know that her own daughters, the focus of the drama, rebel more and more openly against the suffocating oppression she imposes. Although Pepe el Romano is betrothed to the eldest daughter, Angustias, he carries on a secret affair with the youngest, Adela, who ultimately hangs herself when her mother scares Pepe off with a pistol. FTP, identify this play, perhaps an indictment of fascist, matriarchal Spain, by Federico Garcia-Lorca.

Answer: *La **Casa de Bernarda Alba*** or *The **House of Bernarda Alba***

18. Normally, if an A blood type mother has an O type child, the father is expected to be type O or at least carry the O allele. However, in some cases, an O type child can be born to parents who do not have the O allele. This is because the parents may be recessive for a third antigen called H that is a precursor for both A and B antigens. For ten points, name this seemingly impossible ABO-phenotypic result, named after the Indian city where it was first described.

Answer: **Bombay** phenotype (prompt on ABO)

19. As a student at the Tubingen seminary between 1788 and 1793 he formed friendships with Friedrich Holderlin and Friedrich Schelling. In a rather ironic twist, it was probably the poet Holderlin who turned him from the aesthetic writings of Lessing and Schiller to the critical philosophy of Immanuel Kant,

whom he sought to absorb and correct in massive, systematic works such as *The Phenomenology of Spirit* and *Logic*. For ten points, identify this great German idealist philosopher, perhaps best remembered for the dialectic method later made the cornerstone of Marxist thought.

Answer: Georg Wilhelm Friedrich Hegel

20. He was descended from two other secretaries of state who served in the administrations of Benjamin Harrison and Woodrow Wilson, so the office was his lifelong goal. At 30 Wilson sent him as part of the Versailles peace delegation, and he was a major figure at Dumbarton Oaks in 1945. During his tenure as Secretary of State, he initiated the SEATO pact as well as drawing up an agreement restoring the pre-war status of Austria. Well known for his struggles with the "tin-horn Hitler" Nasser during the Aswan crisis, FTP name this diplomat, secretary of State from 1953-59 under Dwight Eisenhower and DC airport namesake.

Answer: John Foster Dulles

Extras (Unedited)

Since blood is not a uniform fluid, the viscosity of blood changes with velocity. Furthermore, blood vessels are not straight, uniform pipes. These factors make the use of this equation to describe the human circulatory system highly suspect. For ten points, name this equation that relates the radius and length of a pipe undergoing non-pulsatile laminar flow, the viscosity of the fluid, the pressure difference, and the volume flowrate of the liquid.

Poiseuille's Law

Named for a large garden that was part of an 18<sup>th</sup> century summer palace of the Bourbon kings on the River Tagus outside Madrid, it is permeated by a sense of melancholy and nostalgia for a forgotten Spain. Written in 1939, it has been performed by, among others, John Williams and Paco de Lucia. Although written for guitar, it is perhaps best known as a piece that Miles Davis reinterpreted on his album *Sketches of Spain*. For ten points, name this musical piece written by Joaquin Rodriguez.

Concierto de Aranjuez

In the background a scantily robed bald man looks away from the scroll he is holding open, and immediately behind him is a row of Doric columns. From the left foreground seven angels look on at the disturbingly long-limbed infant in the lap of the title character, whose blue robe provides the greatest color contrast in the painting. FTP name this painting depicting the Virgin Mary, the most famous work of Parmigianino.

Madonna of the Long Neck

The facts in this case were strikingly similar to those in *United States vs. Seeger*, which preceded it by five years. In a concurring opinion, Justice Harlan wrote that he had been convinced of his of his error in *Seeger*, and he noted that the case more directly concerned the Establishment Clause rather than Free Exercise, as the denial of privileges because of religious beliefs, or the lack thereof, constituted undue government endorsement of religion in general, if not any specific set of principles. The majority opinion, delivered by Justice Black, ruled that conscientious objector status could not be denied to those not believing in a Supreme Being. FTP, identify this 1970 case that effectively extended religious freedom to atheists.

**Welsh vs. United States**

Perhaps the most controversial figure in German letters at the beginning of the twentieth century, this poet began his career as a disciple of the symbolism of Mallarmé but finished it as a self-proclaimed prophet of a new aristocracy of the mind and the spirit

that his detractors considered dangerously close to the irrationalism of Nazism. For ten points, identify this poet, author of such collections as *The Seventh Ring* and *The New Kingdom* but probably best remembered for being at the center of a famous *Kreis* or "Circle" of writers in Weimar Germany.

*Stefan GEORGE*

In "Semiology and Rhetoric" Paul de Man uses the ambiguity latent in the famous rhetorical question that closes this poem to demonstrate the possibility of reading it in two coherent but opposed ways. A highly philosophical poem that deals with an old man trying considering the interrelatedness of things, the relationship between worshipper and worshipped, myth and contemporary reality, the metaphysical theories of Plato, Aristotle and Pythagoras, and, perhaps most famously, creator and creation. For ten points, identify this Yeats poem, inspired by a visit he made to the Waterford school in 1926.

*AMONG SCHOOL CHILDREN*

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Bonuses:

1. Identify the following really really ridiculously prolific authors from works for ten points each.

A. The Plays: *The Knight of Olmedo*, *Fuente Ovejuna*, *The Foolish Lady*, *Punishment without Revenge* and something like 2000 others in Spanish.

Answer: Lope de Vega

B. 84 Inspector Maigret novels including *Maigret and Mr. Charles* and some 136 others including *The Little Saint*.

Answer: Georges Simenon

C. Poems of all sorts from the *Temuco Notebook* of quaint little landscapes to the dark metaphysico-existential depths of the *Residence on Earth* books to the monstrous *Canto General* and the popular *Elemental Odes*.

Answer: Pablo Neruda or Neftali Ricardo Reyes Basoalto

2. Answer the following about Nuclear Magnetic Resonance for ten points each.

A. NMR measures resonance of these atomic particles, giving rise to characteristic peaks.

Answer: Protons

B. Defined as the resonance frequency of a sample minus that of the standard sample over that of the standard sample multiplied by 10 to the 6<sup>th</sup>, it provides a way to identify the type of group responsible for a specific absorption.

Answer: Chemical shift

C. How many peaks would the proton on the hydroxyl group of ethanol create?

Answer: One

3. Identify these British Prime Ministers of the 19<sup>th</sup> century for ten points each. Hint: none are Disraeli or Gladstone.

A. Before holding the office from 1828-30, he had caused the Peterloo Massacre in 1819, an event so named for a more famous incident he was involved in four years earlier.

Answer: Arthur Wellesley, the Duke of Wellington (accept either underlined portion)

B. Later losing his reputation for his indecisive foreign policy during the American Civil War while Foreign Secretary, he first came to power in 1846 to replace Robert Peel who had been ousted over the repeal of the Corn Laws.

Answer: Lord John **Russell**

C. He was Prime Minister during the American Civil War, and has been called the “most English minister who ever governed England,” which may explain his popularity in pubs.

Answer: Lord **Palmerston**

4. Identify these anthropologists from works for ten points each.

A. As well as writing the introduction to Jomo Kenyatta’s *Facing Mount Kenya*, this LSE educated anthropologist’s works include *The Argonauts of the Western Pacific* and *The Trobriand Islanders*

Answer: Bronislaw **Malinowski**

B. The classic to Malinowski’s romantic, this fan of Emile Durkheim’s works include *The Andaman Islanders* and *The Social Organization of Australian Tribes*.

Answer: Arthur Reginald **Radcliffe-Brown**

C. The man knighted two years before his 1973 death, the author of *Witchcraft, Oracles and Magic among the Azande* and *The Nuer*.

Answer: Edward Evan **Evans-Pritchard**

5. Identify the composer from works on a 30-20-10 basis:

30: *Transcendental Studies, Years of Pilgrimage, Ernani*

20: *Missa Solemnis, Mazeppa, a set of Preludes*

10: *Faust-Symphonie, Mephisto Waltz, Hungarian Rhapsodies*

Answer: Franz (or Ferenc) **Liszt**

6. Identify these anti-cancer drugs for ten points each:

A. Discovered in the 1960s from the Pacific yew, it selectively kills fast-growing cells by stabilizing their microtubules.

Answer: **Taxol**

B. It was recently found that this drug, produced by AstraZeneca, that inhibits the epidermal growth factor receptor, worked only on the 10-19% of patients with a specific mutation in the EGFR gene. It is currently used to treat non-small-cell lung carcinoma.

Answer: **Iressa**

C. This drug, remarkably successful at treating chronic myelogenous leukemia, works by inhibiting the BCR-ABL kinase.

Answer: **Gleevec** or **imatinib**

7. Answer the following about tropical storms for ten points each:

A. This is the general term for an atmospheric closed circulation rotating counter-clockwise in the Northern Hemisphere and clockwise in the Southern Hemisphere.

Answer: **Cyclone**

B. This is the term for a warm-core tropical cyclone in which the maximum sustained surface wind is 74 mph or greater and which occurs north of the Equator and west of the International Dateline in the Pacific Ocean.

Answer: **Typhoon**

C. Less powerful than a typhoon, this is the term for a tropical cyclone in which the maximum sustained surface wind speed is 38 miles per hour or less.

Answer: Tropical **Depression**

8. Flannery O’Connor short stories from brief descriptions for ten points each:

A. The insanely annoying grandmother sentences her family to death by telling the Misfit that she recognizes him from a "Wanted" poster; carnage ensues.

Answer: A Good Man is Hard to Find

B. With a title lifted from a Teilhard de Chardin work, this story foregrounds Julian's guilt at his mother's racism.

Answer: Everything That Rises Must Converge

C. The bitter Hulga ends up stranded in a barn loft as a conniving Bible salesman runs off with her wooden leg.

Answer: Good Country People

9. Answer the following about amino acids FTSNOP.

A. For ten, to create this diagram, its eponymous creator used computer models of small polypeptides to systematically vary the phi and psi angles with the objective of finding stable conformations.

Answer: Ramachandran plot

B. Ramachandran discovered two stable structures, one of which occurred in both parallel and anti-parallel types and one in both left and right handed orientations. Name them for five points each.

Answer: Beta-pleated sheet and alpha-helix

C. For 10, because this amino acid has no side chain, it can adopt phi and psi angles in all four quadrants of the Ramachandran plot and thus frequently occurs in turn regions of proteins where any other residue would be sterically hindered.

Answer: Glycine

10. Identify the Greek poetry crap FTPE:

From the Greek name for the "healer of the gods," this type of poem was a triumphal hymn or chant to Apollo.

Answer: Paeon

Arion of Lesbos was the father of this form of poetry, and although it grew into diverse subject matter after several centuries, it still maintained a close association with Dionysus.

Answer: Dithyramb

This is a 4-lined verse form with a caesura at the fifth foot of each line and an Adonic at the end. It's named after a woman from Lesbos.

Answer: Sapphic (accept variations on Sappho)

11. Identify these battles from ancient history for the stated number of points.

A. For five, this naval battle recorded in Herodotus's *History of the Persian Wars* fought in 480BC off the coast of Athens.

Answer: Salamis

B. For 10, this battle was fought in AD 9 in Germania, and in it Roman legions were soundly defeated by the armies of Arminius, or Hermann the German.

Answer: Teutoburg Forest or Teutobergerwald

C. This naval battle concluded the Peloponnesian War in 404BC, reversing the Athenian victory in the Arginusae islands and resulted in Lysander destroying the Athenian navy and setting up the government of the Thirty Tyrants.

Answer: Aegospotami or Goat's Creek

12. Given the Caribbean nation, identify its capital5,5,10,10:

A. 5: Jamaica

Answer: Kingston

B. 5: Trinidad and Tobago

Answer: Port-of-Spain

C. 10: Grenada

Answer: **St. Georges**

D. 10: Antigua and Barbuda

Answer: **St. Johns**

13. Name these Nintendo games with something in common FTPE;

A. The first boss in this game is the machine gun-wielding rhinoceros Rocksteady, who enters the building via a giant drill-thingy. You try to save April O'Neill, who is captured by ninjas.

Answer: **Teenage Mutant Ninja Turtles II**

B. You play a pony-tailed bad-ass who can jump 70 feet in the air while wearing a skimpy kimono. You try to save Princess Kiri, who is captured in the beginning by ninjas.

Answer: The **Legend of Kage**

C. You play a couple of bad-ass brawlers are asked to save the Ronald Reagan, who has been "captured by ninjas." The game poses the question "Are you a bad enough dude to save Ronnie?"

Answer: **Bad Dudes**

14. Know your Marc Chagall works, FTPE.

A. In this trippy painting Chagall depicts himself painting a red goat and some buildings, but the most noticeable feature is on his left hand.

Answer: **Self Portrait with Seven Fingers**

B. In this painting the foreground is dominated by a white animal face and a green human face staring at each other. It also depicts some houses, a milkmaid, and some reapers and is probably his best known work.

Answer: **I and the Village**

C. In this trippy painting chaos ensues from the Jesus' death in the background. The blazing houses provide a stark contrast to the title color.

Answer: **White Crucifixion**

15. Name the 20<sup>th</sup> Century French authors from works FTPE:

A. *Lafcadio's Adventures*; *Strait is the Gate*; *The Immoralist*

Answer: Andre **Gide**

B. *The Thief's Journal*; *The Balcony*, *Our Lady of the Flowers*

Answer: Jean **Genet**

C. *Dance and the Soul*; *Lust*; "Fragments du Narcisse"

Answer: Paul **Valery**

16. Identify these Supreme Court Cases from a short description, FTPE:

A. In this 1962 case, the Court first ruled that prayer in public schools was an express violation of the Establishment Clause of the First Amendment

Answer: **Engel vs. Vitale**

B. In this 1990 case, the Court ruled that the sacramental use of the drug peyote by Native Americans was not protected under the Free Exercise Clause because the law prohibiting it was not directed at the specific practice but for the benefit of society at large.

Answer: *Employment Division, Department of Human Resources of Oregon vs. Smith*

C. In this 1984 case, the Court ruled that a nativity scene in a public building in Pawtucket, Rhode Island had assumed a non-religious and primarily cultural significance and therefore did not violate the Establishment Clause.

Answer: **Lynch vs. Donnelly**

17. Answer the following from abstract algebra FTPE:

A. This is a subset of a ring that is closed under addition and also closed under multiplication by any element in the ring.

Answer: **Ideal**

B. This adjective describes any ideal,  $I$ , such that if  $a$  times  $b$  is in  $I$ , then either  $a$  is in  $I$  or  $b$  is in  $I$ .

Answer: **Prime**

C. This name is given to Hilbert's theorem that corresponds ideals in polynomial rings over algebraically closed fields with varieties.

Answer: **Nullstellensatz**

18. Identify these works of Roman and Greek political philosophy for ten points each.

A. Aristotle's main work on ethics, written as a guide for his son, that lays the groundwork for *The Politics*

Answer: *The **Nicomachean Ethics***

B. The last of Cicero's great works, which principally concerns the idea of 'honestum' or 'honourability.' Along with *De Re Publica* and *De Legibus*, it is perhaps Cicero's most famous work.

Answer: *De **Officiis*** or *On **Duties*** or ***Offices*** (also accept reasonable variants of the English title)

C. Aristotle's other work on ethics, it was written for and edited by a namesake student of Aristotle. Books 5-7 of the *Nicomachean Ethics* are also included in these.

Answer: *The **Eudemian Ethics***

19. Identify these Latin American short stories from short descriptions, FTPE:

A. The Borges short story sharing its name with a Brahms composition about the before-death speculations of Otto Dietrich zur Linde, a German war criminal with a long military heritage.

Answer: **Deutsches Requiem** or **German Requiem**

B. The short story by Garcia-Marquez about the title matriarch of Macondo who dies after a reign of 92 years.

Answer: Los **funerales de la Mama Grande** or **Big Mama's Funeral**

C. The inventive tale by Uruguayan author Cristina Peri Rossi about the title statue of a hero who is disgusted with the modern condition of the country he helped to forge.

Answer: El **Procer** or The **Hero**

20. Neo-Platonist Philosophers for ten points each:

A. The great third century founder of Neo-Platonism, in the *Enneads* he provided a radically original reading of Plato founded upon an analogy between the Cosmos and the individual soul.

Answer: **Plotinus**

B. This anti-Christian thinker from Tyre, Plotinus's most famous disciple, seems to introduce some Christian beliefs into his restructuring of the Plotinian doctrine, including a belief in gradual progress towards salvation.

Answer: **Porphry**

C. This student of Porphyry introduced some wild ideas into the mix, including a tripartite division of the soul and the belief in daemons that exist between the earthly and the intelligible realm. He is best known for his treatise *On the Mysteries*.

Answer: **Iamblichus**

Extra bonuses (unedited)

Linguists from works FTPE:

*Course in General Linguistics*

Ferdinand de **Saussure**

*Words and Rules; The Language Instinct*

Steven Pinker

*Introduction to the Study of Language*, which is sometimes just called *Language*.

Leonard Bloomfield

Identify these documents from the Reformation: 5, 10, 15.

5: The 1598 document proclaimed by Henry IV that extended religious toleration to the Huguenots.

**Edict of Nantes**

10: The religious essay written by King Henry VIII of England for which Leo X granted him the title "Defender of the Faith."

***In Defense of the Seven Sacraments***

15: The pamphlet written by John Knox in 1558 that notoriously denounced female rulers, with Elizabeth I in mind, and actuated his split with Calvin, who always preached obedience to secular rulers.

***The First Blast of the Trumpet***

British novels from the eighties writers for ten points each:

10: Geoffrey Braithwaite buries the story of the dissolution of the marriage in his musings on a nineteenth century French novelist and a stuffed bird in this pomo extravaganza by Julian Barnes.

*FLAUBERT'S PARROT*

10: John Self travels through London, New York and Los Angeles and engages in a truly admirable amount of debauchery in this Rabelaisian extravaganza by Martin Amis.

*MONEY*

10: Tom Crick summons forth the ghosts of his childhood in the Fenlands in this neo-Gothic extravaganza by Graham Swift.

*WATERLAND*

10: Modern sculptors from descriptions of some of their famous motifs, for ten points each:

10: Welded metal cubes, lots of them, and huge painted geometric forms.

*David SMITH*

10: Organic forms reduced to their most simple abstract shapes and rendered in marble or polished bronze.

*Constantin BRANCUSI*

10: Sculptures dependent on their location, on their placement in the exhibition place for their full effect, the use of materials of all sorts whose properties determine the form of the sculpture (the first guy to really make this the key principle of his work).

*Robert MORRIS*

Identify the following about a certain reaction from organic chemistry for ten points each:

This is a cycloaddition reaction in which an alkene adds to a 1,3-diene to form a six-membered ring.

**Diels-Alder**

The simplest example of a Diels-Alder reaction is the reaction of ethene with this molecule to form cyclohexene.

**1,3-butadiene**

The Diels-Alder is this kind of addition, which means that the stereochemistry around the double bond in the dienophile is always maintained in the product, that is, if the starting dienophile has the electron withdrawing group trans to each other, they will be trans in the product.

**Syn addition**