

## **The Omar Bongo Academic Tournament University of Pittsburgh: March 23, 2002**

Questions by Mike Baker, Heather Brown, Mike Davies, Beth Davis, Amie Dupin, Jonathan Misurda, Rich Nalichowski, Josh Sokoloski, Jennifer Sydeski, and Matt Weiner

### **PACKET C TOSSUPS**

1. Set in Ilujinle, it includes a discussion by Sadiku of a "rusted key" which is unable to unlock a "treasure house." That is in reference to the impotence of Baroka, a conservative Yoruba chieftain. The polygamous Baroke competes with Lakunle, a westernized, Bible-quoting teacher, for Sidi, who attempts to glean the best of both cultures but becomes obsessed with comparing herself to the women in British magazines. FTP, name this comedy by Wole Soyinka.

ANSWER: "The Lion and the Jewel"

2. Forty people did it in 1895 to protest the abandonment of a territorial claim. A top general did it in 1912 upon the death of his boss. Done properly, it is preceded by several days of mental preparation and is performed shirtless. The cut begins at the left side of the abdomen and is continued upward and to the right, after which a friend beheads the performer. FTP, name this *bushido* code method of suicide.

ANSWER: *hara kiri* [accept *seppuku*]

3. He came to power by stabbing himself, claiming that enemies of the people had tried to murder him, and thus arranging the appointment of a personal guard which intimidated his enemies. The hero of the battle for Salamis, his reign saw the conquering of the Dardanelles and the construction of the temple of Zeus. FTP, name this father of Hippias who ruled as tyrant of Athens from 560 to 527 BCE.

ANSWER: Pisistratus

4. 3.5 times  $10^{11}$  pascals for tungsten. 7.9 times  $10^{10}$  pascals for gold. 2 times  $10^{11}$  pascals for steel. Those values are for this constant, which gives the change in the length of an object's cross-sectional area at a given force. For 10 points, name this value, calculated by dividing stress over strain.

ANSWER: Young's modulus

5. Surprisingly, this conflict shares its name with a 978 rebellion by the Duke of Bavaria against Otto II. The later war of this name began when the Treaty of Nemours ended toleration of Protestants and designated Cardinal Charles de Bourbon as heir to the throne. The key battle was at Coutras, but the war really turned on the assassination of the Duke of Guise by the king, then the king by Jacques Clément. FTP, name this 1585 to 1589 fight for the French throne in which we learned that "Paris is worth a mass."

ANSWER: War of the Three Henries

6. He studied under Lambertus Danaeus and engaged in a controversy over his beliefs with Petrus Plancius. He issued the Remonstrance of 1610 to clarify his ideas, which led to his condemnation at the 1619 Synod of Dort. His teachings were attacked by Jonathan Edwards in *A Careful and Strict Enquiry into the Modern Prevailing Notions of Freedom of the Will*. FTP, name this Dutch theologian who opposed Calvinism and proposed that God knew in advance the results of free human choices.

ANSWER: Jacobus Arminius [or Jacob Harmensen; or Jacob Hermanszoon]

7. He served as organist at St. Jean-St. Francois from 1862 to 1871. Jules Massenet completed his last opera, *Kassya*, while his first opera was *Deux Sous de Charbon*. "Les Filles de Cadiz" is his best known short song, while his works for the Opéra Comique include *Le Roi l'a dit* and *Jean de Nivelle*. FTP, name this composer of the ballets *Sylvia* and *Coppelia* as well as the opera *Lakme*.

ANSWER: Clément Philibert Léo Delibes

8. Founded in 1963, it established a sister economic community in 1991. On its website, it is soliciting resumes for a "Security and Stability Expert," "Civil Society Affairs Expert," and "Development and Cooperation Expert." The seven fundamental principles of its charter include peaceful settlement of disputes, condemnation of political assassination, and non-alignment with international blocs. FTP, name this organization of fifty-three states, headquartered at Addis Ababa.

ANSWER: Organization of African Unity

9. Its namesake college is an all-male institution founded by Caleb Mills in Crawfordsville. Originating in St. Henry in Darke County, it receives the Vermilion, Embarras, White and Tippecanoe and flows past New Harmony, Lafayette, and Terra Haute. FTP, name this river which forms part of the Indiana-Illinois border before flowing into the Ohio River.

ANSWER: Wabash River

10. He has written about nationalism in *The Incomparable Atuk* in addition to writing two children's books, *Jacob Two-Two Meets the Hooded Fang* and *Jacob Two-Two and the Dinosaur*. He says that the character most representative of himself in his works is the protagonist of *Saint Urban's Horseman*, while critics also cite *Joshua*, *Then and Now* among his finest novels. FTP, name this author who writes of the experiences of Jews in Canada in such novels as *The Apprenticeship of Duddy Kravitz*.

ANSWER: Mordecai Richler

11. This character goes to Satis House, where he is jilted by Estella, who eventually marries his rival Drummle. He soon is able to leave his apprenticeship to his blacksmith brother-in-law Joe after coming into money. The executor Jaggers has him educated by Mathew Pocket, whose son Herbert eventually receives the estate of Miss Havisham. FTP, name this character who is rewarded for helping Abel Magwitch escape from prison in *Great Expectations*.

ANSWER: Pip [or Philip Pirrip; or Philip Pirrip]

12. This mineral's crystal system is tetragonal below 228 degrees Celsius and isometric above that temperature. It is a commonly occurring copper ore found in hypogene deposits, usually in association with chalcocite or pyrite. It has a Mohs hardness of 3 and a metallic luster, and it tarnishes to a purple and blue bronze color. FTP, name this sulfide mineral with chemical formula  $\text{Cu}_5\text{FeS}_4$ , commonly called "peacock ore."

ANSWER: bornite [prompt on peacock ore before it is mentioned]

13. Lebedev begs to pick money out of a fire and believes that the triumph of reason is a sign of the apocalypse. The money belongs to Ganya Ivolgin, and the burner is Nastasya Fillipnova, who is eventually stabbed by Parfyon Rogozhin. The title character, a perceptive, epileptic Christ figure, begins the novel by returning to St. Petersburg from

a Swiss asylum. FTP, name this novel in which Aglaya Yepanchina fails to marry Prince Myshkin, written by Fyodor Dostoyevsky.

ANSWER: The Idiot

14. Suppose you'd like to sort a deck of cards by suit and by value. You first deal out the cards in 13 piles, one for each face value of the card. Collect all the cards in order, then redeal them into 4 piles based on suit. FTP, identify the sorting algorithm which you've just used, which has a big-O complexity of  $n$  and is also called "bucket sorting."

ANSWER: radix sort [accept bucket sorting before it is mentioned]

15. Its principles include anti-reactionism, nationalism, and anti-occupationism. Hafez al-Assad initiated the Correction Movement to end internal disputes in this party. Founded in 1943 by Zaki al-Arsuzi, Salah al-Din al-Bitar, and Michel Aflaq, its name means "renaissance." FTP, name this pan-Arab socialist party which controls the governments of Syria and Iraq.

ANSWER: Baath

16. All of the *Federalist* authors worked on it: Madison wrote the outline and Hamilton and Jay revised it. It warns the nation to "avoid the necessity of those overgrown military establishments" while anticipating "the benign influence of good laws under a free government." It also admonishes that "it is our true policy to steer clear of permanent alliances with any portion of the foreign world." FTP, name this speech, distributed in 1796 after an announcement that the U.S. President would not seek a third term.

ANSWER: George Washington's Farewell Address

17. She is a co-founder of the Sabera Foundation, which supports the poor in Calcutta. She made her film debut in *The Greek Labyrinth* and has since appeared as Isabella in *Woman on Top* and Pelagia in *Captain Corelli's Mandolin*. She has worked with Pedro Almodóvar in *Live Flesh*, *All About My Mother*, and a film which she would later remake, *Abre los ojos*. FTP, name this actress who played Sofia in *Vanilla Sky* and has been romantically linked to an actor who shares her name.

ANSWER: Penélope Cruz Sánchez

18. This painter's series include variations on Lucretia, Cleopatra, and Bathsheba. A work which depicts a woman in a gold and gray dress clutching her chest in thought is called *The Repentant Magdelene*. *The Annunciation* was painted in the same year as *Self-Portrait as the Allegory of Painting*. FTP, name this painter whose rape at the hands of Agostino Tassi inspired *Susannah and the Elders* and *Judith Beheading Holofernes*.

ANSWER: Artemisia Gentileschi

19. They are not microglial cells, but they provide nutrients and waste management by undergoing phagocytosis for neurons in the central nervous system. They create a matrix that provides support to the neuron and insulation of the synapses. FTP, name these star-shaped glial cells.

ANSWER: astrocytes

20. Prosecutor Raja Qureshi brought charges against wholesale clothing salesman Ahmed Omar Saeed Sheikh on March 22, after confessions from Salman Saquib and Fahad Naseem implicated Omar in the death of this man. Qureshi says that evidence will include a tape showing his beheading and e-mailed ransom demands. FTP, name this murdered *Wall Street Journal* reporter.

ANSWER: Daniel Pearl

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#### **PACKET C BONI**

1. Given its text, name the theorem for 10 points each.

- Any positive integer can be represented in exactly one way as a product of primes.

ANSWER: **fundamental theorem of arithmetic**

- Every polynomial equation having complex coefficients and degree greater than one has at least one complex root.

ANSWER: **fundamental theorem of algebra**

- The fundamental theorem of game theory, it states that every finite, zero-sum, two-person game has optimal mixed strategies.

ANSWER: **minimax** theorem

2. Fill in the blanks in these important passages from Article IV of the U.S. Constitution for 10 points per part.

- FOUR WORDS "shall be given in each State to the public Acts, Records, and judicial Proceedings of every other State."

ANSWER: **"full faith and credit"**

- The Citizens of each State shall be entitled to all" THREE WORDS "of Citizens in the several States."

ANSWER: **"privileges and immunities"**

- The United States shall guarantee to every State in this Union a" FOUR WORDS "and shall protect each of them against Invasion..."

ANSWER: **"republican form of government"**

3. Name these acts of New Deal legislation for 10 points each.

- This 1938 act provided for a 25-cent-an-hour minimum wage, mandated overtime pay, and outlawed "oppressive child labor."

ANSWER: **Fair Labor Standards Act** [or Federal **Wage and Hour Law**]

- This 1933 act created an organization to disperse five hundred million dollars in unemployment benefits. Led by Harry Hopkins, the group it created later became the Social Security Administration.

ANSWER: Federal **Emergency Relief Act**

- Twin 1934 and 1937 acts of this name established federal insurance for capital improvement loans and financed the construction of fixed-rent apartment houses.

ANSWER: **National Housing Act** [or **Wagner-Steagall Act**]

4. Answer the following about a lawsuit for 10 points per part.

- This country's Movement for the Survival of the Ogoni People filed a lawsuit on behalf of Ken Saro-Wiwa and others killed by the 1990s military government.

ANSWER: Federal Republic of **Nigeria**

- The suit is aimed at this oil corporation, accused of conspiring with the government to silence and kill protestors.

ANSWER: Royal Dutch **Shell** Petroleum Company

- The government in question was headed by this man, who ruled Nigeria from 1993 until 1998. His death from a heart attack opened the door to democratic reforms.



ANSWER: Sani Abacha

5. Name these original cities of NBA franchises for 10 points each.

- The Sacramento Kings began as the Royals of this city.

ANSWER: Rochester, New York

- Name any of the three cities in which the team that is now the Atlanta Hawks originally played home games.

ANSWER: Moline, Illinois or Rock Island, Illinois or Davenport, Iowa

- The Washington Wizards have been through several moves and re-namings, but they started as the expansion Packers of this city.

ANSWER: Chicago, Illinois

6. Answer the following about a French poet and his works for 10 points each.

- This author of *Confessions of a Poet and Yesteryear and Yesterday* was both the lover and publisher of Arthur Rimbaud.

ANSWER: Paul Verlaine

- This collection discusses traveling with Rimbaud and is the height of Verlaine's auditory style. It was written while Verlaine was in prison for shooting Rimbaud in the wrist.

ANSWER: Songs Without Words [or Romances Sans Paroles]

- Rimbaud and Mallarmé are among the six poets discussed in this 1884 critical work.

ANSWER: *The Accursed Poets* [or *Les Poètes maudits*]

7. Name these mounts from Norse mythology for 10 points each.

- Odin's eight-legged horse, produced after Loki took the form of a mare and "distracted" the horse Svadilfari from helping Blast complete the wall of Asgard

ANSWER: Sleipnir

- Thor's chariot is pulled by two goats, whose names mean "gap tooth" and "tooth grinder." Name either.

ANSWER: Tanngrisni or Tanngnost

- This is Heimdall's golden-maned horse.

ANSWER: Gulltop

8. Name these Mexican presidents of the early twentieth century for 10 points each.

- After ending the lengthy rule of Porfirio Díaz in 1911, he was unable to contain two simultaneous revolts in 1913, and he was deposed and killed.

ANSWER: Francisco Indalecio Madero

- The object of Woodrow Wilson's "watchful waiting" policy, this anti-U.S. army commander overthrew Madero but could only hold on to power for a year.

ANSWER: Victoriano Huerta

- The leader of the Constitutionalists against Huerta, he succeeded Augusto Carbajal in 1914 and continued as the first president of the new Mexican republic until 1920, when he was deposed and killed by Álvaro Obregón.

ANSWER: Venustiano Carranza

9. Name these twentieth-century Hungarian politicians for 10 points each.

- The founder of the Hungarian Communist Party, he was premier in 1918, organizing Hungarian and Slovakian Soviet Republics before the Romanian army overthrew him.

ANSWER: Béla Kun

- Premier from 1921 to 1931, he resisted a return of the monarchy and pursued an innovative economic policy involving the forgery of French franc notes.

ANSWER: Count Stephen Bethlen

•As prime minister of communist Hungary in 1953, he relaxed forced collectivization, leading to his removal by the Soviet Union. He returned to lead the opposition to Soviet intervention in 1956, which resulted in his deposition and execution.

ANSWER: Imre Nagy

10. Name that Bach, for 10 points each.

•The eighteenth child of Johann Sebastian, this "English Bach" created the operas *Artaserse*, *Orione*, and *Temistocle*. He introduced the clarinet to the English orchestra.

ANSWER: Johann Christian Bach

•Known for two hundred piano sonatas and a sonata for flute in A minor, his oratorios include *The Israelites in the Wilderness*.

ANSWER: Carl Philipp Emanuel Bach

•Johann Sebastian composed the *Capriccio on the Departure of His Beloved Brother* when this oboist joined the Swedish army in 1704.

ANSWER: Johann Jakob Bach

11. Name these Polish authors for 10 points each.

•His poetry volumes include *Poem of the Frozen Time* and *Bells in Winter*. He has also written essay collections such as *The Captive Mind* and novels such as *The Issa Valley*.

ANSWER: Czeslaw Miłosz

•Though an accomplished historian in works such as *With Fire and Sword*, *The Deluge*, and *Pan Michael*, he is likely most known for the novel *Quo Vadis*?

ANSWER: Henryk Sienkiewicz

•His patriotic works include *Ballads and Romances* and the epics *Graznya*, and *Pan Tadeusz* or *Master Thaddeus*.

ANSWER: Adam Mickiewicz

12. Name these things explained by games at Fermilab's website for 10 points each.

•"Push, Push, Push the Particle" allows one to manipulate electric shielding to cancel out the effects of an opposing electric field on a particle, and remove the shield in order to increase the particle's velocity, to turn on a light bulb. That demonstrates the principle behind this tool for studying particles.

ANSWER: linear accelerator

•"Baryon Bonanza" tests different combinations of these fundamental particles to see what baryon they make.

ANSWER: quarks

•"Particle Pool" uses ghost trails of pool balls to determine their initial configuration, which is what this device, invented by Charles Wilson in 1912, does for ions.

ANSWER: cloud chamber

13. Name these Australian authors for 10 points each.

•This author of *The Tree of Man*, *Voss*, *Riders in the Chariot*, *The Solid Mandala*, and *The Eye of the Storm* was the first Australian to win the Nobel Prize in Literature.

ANSWER: Patrick Victor Martindale White

•Frequently addressing aborigine issues was this author of *Capricornia*, *Seven Emus*, *Soldiers' Women*, and *Poor Fellow My Country*.

ANSWER: Xavier Herbert [or Alfred Jackson; or Herbert Astor]

•This author wrote the Fortunes of Richard Mahony trilogy, consisting of *Australia Felix*, *The Way Home*, and *Ultima Thule*, as well as *The Getting of Wisdom* and *Maurice Guest*.

ANSWER: Henry Handel Richardson [or Ethel Florence Lindesay Robertson]

14. Name these Platonic dialogues for 10 points each.

- The title character believes that virtue is different for different people, while Socrates counters that the nature of virtue does not change, but only perception does. The title character puts forth his namesake paradox about searching for the undefined, while Socrates presents the theory of recollection of innate knowledge.

ANSWER: Meno

- Discussing the creation of the world, it draws a chain of causation between the "Receptacle of Becoming" and existence of forms. Along with Critias, it contains Plato's mention of Atlantis.

ANSWER: Timaeus

- The title character is at the court, intending to bring a manslaughter suit against his father. The title character defends his knowledge of holiness, but Socrates finds holes in each revision of the definition.

ANSWER: Euthyphro

15. Name these people who ruled South Vietnam for 10 points each.

- Emperor of Vietnam from 1926 to 1945, he held the same post in South Vietnam until 1955.

ANSWER: Bao Dai

- He deposed Bao Dai and assumed the presidency of South Vietnam, but in 1963, the South Vietnam military and the U.S. collaborated to assassinate him.

ANSWER: Ngo Dinh Diem

- Diem was replaced by this man, who was himself deposed in 1964. He returned to oppose Nguyen Van Thieu in 1968, but didn't hold power again until 1975, when he became president just before the country fell.

ANSWER: Duong Van Minh

16. Name these Scottish island groups for 10 points each.

- Divided into Outer and Inner groups, this 500-member archipelago contains Lewis-with-Harris, Skye, Iona, and Islay.

ANSWER: Hebrides

- Only nineteen members of this 100-island group are inhabited. It is administered from Lerwick, on the confusingly named island Mainland.

ANSWER: Shetland Islands

- Southwest of the Shetlands, the largest city in the thirty inhabited islands of this ninety-island group is Kirkwall, on Pomona.

ANSWER: Orkneys

17. Name these substances for 10 points each.

- Consisting of individual tetrahedral molecules, this toxic and pyrophoric allotrope of a nonmetal is stored under water to prevent it from touching air.

ANSWER: white phosphorus [prompt on phosphorus]

- Another phosphorus allotrope, it has a regular crystalline structure and is unreactive. It is produced by heating either type of P<sub>4</sub>.

ANSWER: black phosphorus

- This analog of ammonia is an exception to VSEPR theory, with bond angles of 94 degrees despite a pyramidal structure. A much weaker base than ammonia, it never forms a cation unless combined with halide anions in compounds like PH<sub>4</sub>Cl.

ANSWER: phosphine



18. Name the Wallace Stevens poem from lines for 10 points each.

• "Icicles filled the long window/With barbaric glass," and "I do not know which to prefer,/The beauty of inflections/Or the beauty of innuendoes."

ANSWER: "Thirteen Ways of Looking at a Blackbird"

• "It made the slovenly wilderness/Surround that hill./The wilderness rose up to it,/And sprawled around, no longer wild."

ANSWER: "Anecdote of the Jar"

• "Just as my fingers on these keys/Make music, so the self-same sounds/On my spirit make a music, too."

ANSWER: "Peter Quince at the Clavier"

19. 30-20-10, name the disease.

30: After an incubation period of two to five weeks, shivering and a high fever begin to recur every two or three days. Treatment typically begins with the drug chloroquine.

20: It is caused by the parasitic protozoan *Plasmodium*.

10: The human form of this disease is transmitted by mosquitoes in the genus *Anopheles*.

ANSWER: malaria

20. 30-20-10, name the agency.

30: It is currently chaired by Don Powell, who announced in February 2002 that the industry with which it is concerned earned a record nineteen billion dollars in 2001.

20: In March 2002, it declared that PayPal is not under its jurisdiction.

10: It insures up to one hundred thousand dollars per account at commercial banks.

ANSWER: Federal Deposit Insurance Corporation