

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 J TOSSUPS

1. Founded by Christian Samuel Hahnemann in the eighteenth century, it relies on a "healing crisis" triggered by the same substances which cause the unwanted symptoms. Possibly useful in the nineteenth century because it didn't really do anything as opposed to the poisoning and bloodletting common in mainstream medicine at the time, modern advances have rendered it irrelevant. FTP, name this type of medicine which uses extremely diluted tinctures of plant extracts to treat ailments.

ANSWER: **homeopathy** [or **homeopathic** medicine]

2. Members of this movement sought to reflect sculpture in the way symbolism reflected music. Its six-point manifesto concluded that "concentration is the very essence of poetry." Minor members included Richard Aldington, F.S. Flint, and Herbert Read, and it was published chiefly in four anthologies over the 1910s. FTP, name this movement which included Ezra Pound, Hilda Doolittle, and Amy Lowell and advocated anti-sentimental, concrete free verse reflecting the diction of speech.

ANSWER: **imagism** [or **imagisme**]

3. "The Captive Dove" is chief among her poems. She worked as a governess at Thorpe Green Hall, which inspired Horton Lodge in a novel about Helen Graham and Gilbert Markham. Working in the same job for the Inghams inspired a story of a Murray governess who marries Edward Weston. FTP, name this author of *The Tenant of Wildfell Hall* and *Agnes Gray* who used the pseudonym Acton Bell.

ANSWER: **Anne Brontë** [prompt on **Brontë**; prompt on Acton **Bell**]

4. The most well known are the Big Dipper and the Square of Pegasus. The Summer Triangle and the Winter Hexagon are others. They can be comprised of stars of several constellations or be a smaller part of a constellation. FTP, give this term for a group or pattern of stars that does not form a constellation.

ANSWER: **asterism**

5. The all-seeing patron of witnesses, many of his attributes in art were copied for depictions of Jesus. His daughters include Phaethusa and Lampetia, while with Perse, he was the father of Aeëtes, Circe, and Pasiphae. His key task was performed with the aid of the horses Pyrois, Eos, Aethon and Phlegon. FTP, name this son of Hyperion and father of Phaeton, the Greek god who moved the sun.

ANSWER: **Helios**

6. After she is asked whether she is named for her father, she responds by noting that the questioner "handles those cubes like a monkey handles coconuts." She encounters the protagonist in a Las Vegas casino, but a planned rendezvous is interrupted when she is thrown out a window and into a pool by SPECTRE agents. FTP, name this Bond girl, portrayed by Lana Wood in *Diamonds Are Forever*.

ANSWER: **Plenty O'Toole**

7. George Bancroft's history of the Constitutional convention created its common name. Benjamin Franklin wanted to tweak this proposal in order to change the number of votes per seat for financial matters, which turned into the provision requiring spending bills to originate in the House. Presented on July 16, 1787 by Oliver Ellsworth and Roger Sherman, it reconciled supporters of the New Jersey and Virginia Plans. FTP, name this compromise which provided for the bicameral U.S. Congress as we know it.

ANSWER: Connecticut Compromise [accept Great Compromise]

8. He executed the Six Year Plan which reorganized *ejidos*, established secular schools, and sponsored labor groups. He deported Plutarco Elias Calles to the United States for attempting to influence his labor policy, despite the fact that Calles had pulled strings to install him as president. In 1934, he seized private estates and gave them to peasants, and in 1938 he expropriated foreign oil holdings. FTP, identify the only man who was poorer when he left the Mexican presidency than when he entered.

ANSWER: Lázaro Cárdenas

9. In a World War II P.O.W. camp, he learned German and wrote the poetry collection *Black Offerings*. Like Kazantzakis, he drew heavily on the philosophy of Henri Bergson, particularly in *Songs of Shadow*. The first black member of the French Academy, he edited a 1948 anthology which was the first major work in the Négritude movement. FTP, name this writer who spent twenty years as the first president of Senegal.

ANSWER: Léopold Sédar Senghor

10. He engaged in a 1550 debate with Juan Ginés de Sepulveda in Valladolid over his life's work. The first person ordained a priest in the New World, he led a failed "model colony" in Venezuela and protested directly to Ferdinand V as part of his activism. His efforts led to the enactment of the 1542 New Laws, which ended slavery and land attachment for Native Americans. FTP, name this activist and chronicler known as the "Apostle of the Indies."

ANSWER: Bartolomé de Las Casas

11. Aniabe, on Cape Bobaombay, is its northernmost point. Antongila Bay cuts into this island, whose rivers include the Onilany and Betsikoba. Alaotra is its major lake, and the Ankaratra range's Maromokotro its highest peak. Cities include Antsirabe, Mahajanga, and Toliary. FTP, name this large island country, formerly known as the Malagasy Republic, located off the southeast coast of Africa.

ANSWER: Madagascar

12. Francis Maude, a member of this party, penned a piece in the *Spectator* advising it to adopt a bolder, more international approach in order to avoid irrelevancy. Maude's advice may go unheeded, as it gained four points in the March polls due to concerns about crime rates. Iain Duncan Smith replaced William Hague as its leader after a resounding 2001 defeat. FTP, name this largest opposition party in the United Kingdom.

ANSWER: Conservative Party [accept Tories]

13. It consists of a work on the discipline of monks, a work on metaphysics, a collection of 423 maxims, four nikayas on doctrine, the Jataka fables, and a discussion between a king and the sage Nagasena. Names of the texts include the Dhammapada and the Questions of Milinda. FTP, name this authoritative collection of Buddhist sacred texts.

ANSWER: Tripitaka [or Three Baskets; or the Pali canon]

14. Jimmy Carter banned them in the United States in 1977 in an attempt to curb nuclear proliferation. Their frequency is dependent on the energy cross-sections of the impacting neutrons; for example, Uranium-238 changes to Plutonium-239 and releases radiation. FTP, name this type of nuclear reactor which produces more fissionable material than it takes in.

ANSWER: breeder reactor

15. All methods of computing this must yield the same results because if there were two such functions, then their difference would be a polynomial of degree at most $n-1$ having n zeros, which must be the zero polynomial. Using the monomial basis, one gets the Vandermonde matrix. This system is ill conditioned and thus typically the basis that is chosen is $(t-c)/d$ all to the $j-1$ where c and d are scaling factors. A common other basis is the Lagrange. FTP, name this process of finding an equation exactly through a set of points.

ANSWER: interpolation

16. His first major work was an operetta called *Landsdowne Castle*. A bicycle trip to Algeria inspired the orchestral suite *Beni Mora*, and he took a commission to set songs by Humbert Wolf. While he also composed *Brooke Green Suite* and *The Wandering Scholar*, he is likely best known for several works inspired by his learning of Sanskrit and a cycle of pieces ripped off by John Williams. FTP, name this composer of *Savitri*, *Egdon Heath*, and *The Planets*.

ANSWER: Theodore Gustav Holst

17. Its many construction projects included the Roluos buildings, the Prei Monti temple, and the Yasohodharataka reservoir. Yasovarman I built its capital a few decades after it was united under Jayavarman II. Its power declined after unsuccessful wars with Ayuthia and Champa, who sacked Angkor. FTP, name this kingdom of the sixth to fifteenth centuries in Laos and Cambodia.

ANSWER: Khmer

18. It included pogroms against Poles and Lithuanians, the Treaty of Teusina with Sweden, a ban on peasant relocation, the reign of Vasily IV, war with Sigismund III of Poland, and the two False Dmitri rebellions. FTP, give the common name of this period, which began with the death of Boris Godunov in 1605 and ended with the crowning of Michael Romanov in 1613.

ANSWER: the Time of Troubles [or Smuta]

19. This work coined the term "conventional wisdom," and it also correctly predicted the rise of consumer debt. The book contains a miscalculation of the poverty line, though it contains an eloquent conceptual description in "The Position of Poverty." Containing chapter titles like "The Redress of Balance" and "The Marxian Pull", the main argument can be found in "The Vested Interest in Output" and "Labor, Leisure, and the new Class." FTP, name this work which argues that the gap between the rich and poor must be narrowed by infrastructure, written by John Kenneth Galbraith.

ANSWER: *The* Affluent Society

20. One of its characters can control anybody by learning their genealogy. Another, a virgin named Marjatta, has a son at the end of this work. The plot follows a rivalry with Pohjola, ruled by the winter-goddess Louhi, and the pursuit of the magic mill Sampo, forged by Ilmarinen. Written in trochaic tetrameter, its heroes are the warrior

Lemminkäinen and the sage Väinämöinen. FTP, name this poem, composed from oral traditions by Elias Lönnrot as the national epic of Finland.

ANSWER: "The Kalevala, or Old Poems from Karelia telling the Ancient History of the Finnish People"

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PACKET J BONI

1. Name these onetime slaves for 10 points each.

•The American Anne Frank, she hid in her grandmother's attic for seven years after escaping slavery in North Carolina. She wrote *Incidents in the Life of a Slave Girl* under the pen name of Linda Brent.

ANSWER: Harriet Ann Jacobs

•Kidnapped from Nigeria, he was enslaved in Barbados, in Virginia, and aboard a British ship, where he was given the name of a Swedish hero. His life inspired plot points in *Beloved* and his autobiography became the model for future slave narratives.

ANSWER: Olaudah Equiano [or Gustavus Vassa]

•In an 1851 speech to a women's convention in Akron she said: "I have borne thirteen children, and seen most all sold off to slavery, and when I cried out with my mother's grief, none but Jesus heard me! And ain't I a woman?"

ANSWER: Sojourner Truth [or Isabella Baumfree]

2. Name the image formats from their compression schemes for 10 points each.

•Lossless LZW

ANSWER: Graphics Interchange Format

•Lossy truncation of Fourier transformed data

ANSWER: Joint Photographic Expert Group

•Patent free lossless LZ77

ANSWER: Portable Network Graphic

3. Name these treaties from the turn of the nineteenth century for 10 points each.

•This 1801 treaty made public the secret articles of the Treaty of Campo Formio, dissolved the Holy Roman Empire, ceded all land west of the Rhine to France, and created the Kingdom of Etruria and several central European republics.

ANSWER: Treaty of Lunéville

•In this 1802 peace treaty, France agreed to leave Naples and Egypt, while England was to cede Malta to the Knights Hospitalers. English failure to comply with the latter point led to the proper start of the Napoleonic Wars in the next year.

ANSWER: Treaty of Amiens

•Napoleon and Alexander I met on a raft in 1807, agreeing in this treaty to recognize the grand duchy of Warsaw and allow Russia to invade the Swedish possession of Finland.

ANSWER: First Treaty of Tilsit

4. Answer the following about a Thomas Mann work which is neither *Felix Krull* nor *Tonio Kroeger* for 10 points per part.

•This Mann novel follows a visit to Joachim Ziemssen, confined in a sanitarium for consumptives, by Joachim's cousin.

ANSWER: *The Magic Mountain* [or *Der Zauberberg*]

•This "delicate child of life," the protagonist of the novel, falls in love with Clavdia Chauchat, contracts tuberculosis, and stays at the sanitarium for seven years.

ANSWER: Hans Castorp [accept Hans Castorp]

•Hans has frequent conversations with this fellow patient, a high-minded Italian who urges Hans to keep his attachments to the outside world.

ANSWER: Herr Settembrini

5. Given the title of a Troy McClure movie, fill in the missing words for 10 points per part.

•*The Verdict Was* BLANK BLANK

ANSWER: Mail Fraud

•*Lead Paint: BLANK But Deadly*

ANSWER: Delicious

•*The President's BLANK is Missing!*

ANSWER: Neck

6. Name these Scholastic philosophers for 10 points each.

•Prosecuted for tritheism at the 1092 Council of Soissons, this inventor of nominalism denied the existence of universals and was the teacher of Peter Abelard.

ANSWER: Jean Roscelin [or Johannes Roscellinus]

•Known as "doctor universalis," this teacher of Thomas Aquinas wrote his own *Summa Theologiae* in 1270.

ANSWER: Albertus Magnus [or Albert, Count von Bollstadt]

•Called "the seraphic doctor," this author of *Breviloquium* and *Journey of the Mind to God* led the Franciscans from 1257.

ANSWER: Bonaventure [or Bonaventura; or Giovanni di Fidanza]

7. Name these Korean War battles for 10 points each.

•The boundary of the Pusan Perimeter, this river saw a bulge battle in August 1950 at which the North Korean Fourth Division was temporarily dissolved. The next month, the North Koreans made five unsuccessful attempts to penetrate the perimeter line here.

ANSWER: Naktong River

•Later in September, the U.S. landed seventy thousand troops behind the North Korean lines at this harbor.

ANSWER: Inchon

•This October 1951 battle, the last major engagement of the war, secured the 38th parallel for the U.N. forces.

ANSWER: Heartbreak Ridge [accept Height 1211]

8. Answer the following about electrochemistry for 10 points per part.

•This is the electrode at which reduction occurs.

ANSWER: cathode

•This formula allows calculation of cell potentials under nonstandard conditions.

ANSWER: Nernst equation

•This analytical method involves varying the potential and measuring the response in the current. Fast scan cyclic and anodic stripping are different types of this technique.

ANSWER: voltammetry

9. Answer these questions about chromatography for 10 points each.

•This type of chromatography is ideal for nonvolatile biological molecules and comes in the varieties of partition, adsorption, ion exchange, and size exclusion.

ANSWER: high performance chromatography [or high pressure liquid chromatography]

•This measure of column efficiency is defined as the variance divided by the length and takes its name from fractional distillation theory.

ANSWER: theoretical **plate height**

•This is the most common complication in taking a chromatogram as it causes peaks at long retention times to become progressively broad. It can be solved by temperature programming.

ANSWER: **general elution problem** [or **universal elution problem**]

10. Name these DNA sequences for the stated points

•For 10 points, these are the repetitive sequences at both ends of eukaryotic chromosomes, providing a buffer to which DNA polymerase can bind.

ANSWER: **telomeres**

•For 5 points each, these are the two strands created during DNA replication: one is produced continuously from the 5-prime end to the 3-prime end, and one consists of a series of Okazaki fragments.

ANSWER: **leading** strand and **lagging** strand

•This section of an operon can be bound by a repressor to allow or prevent transcription.

ANSWER: **operator**

11. Answer the following about an American author for 10 points each.

•Born on the current site of the Richmond Public Library, this Virginian wrote *The Silver Stallion*, *The Cream of the Jest*, *Figures of Earth*, and *Something About Eve*. Many of his works take place in the medieval land of Poictesme and are allegories on modern life.

ANSWER: James Branch **Cabell**

•In 1920, this Cabell work was contested as obscene in New York. It follows the dimwitted Redeemer Manuel and the title character, a rationalist pawnbroker who adds one and one to get three in Philistia and tugs on God's beard in heaven.

ANSWER: **Jurgen**, *A Comedy of Justice*

•This friend of Cabell won the 1941 Pulitzer Prize for Fiction for *In This, Our Life*. Other works include *The Voice of the People* and *The Barren Ground*.

ANSWER: Ellen Anderson Gholson **Glasgow**

12. Answer the following about kings of Sparta for 10 points per part.

•The successor of Cleomenes I, he died leading the Three Hundred at Thermopylae.

ANSWER: **Leonidas I**

•King during the Corinthian War, he defended against a revolution led by Lysander, recaptured Greek cities in Asia Minor, and allied with Egypt against Persia.

ANSWER: **Agesilaus II**

•The Spartan dyarchy was shared between the Agiad house, to which Leonidas belonged, and this other line, whose members included Agesilaus.

ANSWER: **Eurypontid**

13. Name the painters of these Madonnas for 10 points each.

•*Madonna Enthroned*, 1437

ANSWER: Fra Filippo **Lippi**

•*Madonna With Saints*, 1505

ANSWER: Giovanni **Bellini**

•*Madonna of the Rose Garlands*, 1506

ANSWER: Albrecht **Durer**

14. Name these related locations from ancient east Africa for 10 points each.

•Rising against Egyptian control to become the source of the Twenty-Fifth Dynasty, this region occupied a namesake desert around the Nile in modern Sudan.

ANSWER: Nubia

•This kingdom in Nubia achieved its first great height under Piankhi during the Twenty-Fourth Egyptian Dynasty.

ANSWER: Cush

•Founded in 630 BCE, this longtime capital of Cush was a center of the iron industry.

ANSWER: Meroë

15. Given two ranks in the U.S. military, name the rank between the two on the chain of command for 10 points each.

•Lieutenant Colonel and Captain in the Army

ANSWER: Major

•Warrant Officer W-4 and Lieutenant junior grade in the Navy

ANSWER: Ensign

•Captain and Vice Admiral in the Navy

ANSWER: Rear Admiral

16. Name these Harold Pinter plays for 10 points each.

•It's so reminiscent of "Waiting for Godot" that John Simon wrote "one is acutely conscious of Pinter waiting for Beckett to write him some better lines." The plot concerns Gus and Ben, hitmen who wait in the basement of a café for instructions.

ANSWER: "The Dumb Waiter"

•The lives of brothers Mick and Aston are disturbed by the intrusion of a vagrant in this play, Pinter's follow-up to "The Birthday Party" and first success.

ANSWER: "The Caretaker"

•Philosophy professor Teddy brings Ruth to meet the household of his father Max, where he decides to leave Ruth and return to work alone.

ANSWER: "The Homecoming"

17. Name the second largest cities by population in these U.S. states for 10 points each.

•Oregon

ANSWER: Eugene

•Indiana

ANSWER: Fort Wayne

•Iowa

ANSWER: Cedar Rapids

18. Answer the following about a philosopher and his works for 10 points each.

•This author of such works as *Ideas: A General Introduction to Pure Phenomenology* discussed the concept of "phenomenological reduction," which reflects on mental meanings used in contemplating objects.

ANSWER: Edmund Gustav Albrecht Husserl

•This 1901 Husserl work proposes that studying the variances of an object in the imagination is the way to contemplate the essence of the object, saying that fixed "meanings" determine what object is being perceived.

ANSWER: Logical Investigations [or Logische Untersuchungen]

•This 1913 text claims that knowledge is based on "intersubjectivity," the relation between a self and a non-self. It states, "I am a transcendental ego, but I am not conscious of this."

ANSWER: Cartesian Meditations [or Meditations Cartésiennes]

19. Name these behaviorist things for 10 points each.

•This author of *Psychological Care of Infant and Child* was a primary espouser of behaviorism. As a professor at Johns Hopkins, he conditioned a boy to be afraid of furry objects.

ANSWER: John Watson

•John Watson was a student of Karl Lashley, who in *Brain Mechanisms and Intelligence* postulated two famous principles of mind. One claims that learning takes place on the cerebral cortex, while the other states that for sensory systems, some parts take over the functions of other parts in the event of failure. Name either.

ANSWER: mass action or equipotentiality

•This behaviorist used the reinforcement theory of learning as the basis for his work. In *Aptitude Testing* and *Hypnosis and Suggestibility*, he advanced the use of a rigorous scientific method in the study of psychology.

ANSWER: Clark Hull

20. Name these twentieth-century Spanish authors for 10 points each.

•A proponent of the *tremendismo* style, his novels include *The Family of Pascual Duarte*, *The Hive*, and *Mrs. Caldwell Speaks to Her Son*.

ANSWER: Camilo José Cela

•This poet, a member of the Generación del 27, produced the collections *Ambito*, *Environment*, *Destruction and Love*, *History of the Heart*, and *In A Vast Domain*.

ANSWER: Vicente Aleixandre y Merlo

•This poet's books include *Violet Souls*, *Ballads of Spring*, *Spiritual Sonnets*, *Platero and I*, and *Diary of a Newly Married Poet*.

ANSWER: Juan Ramón Jiménez