

**GEORGIA TECH MASTER TOURNAMENT 2003**  
**PACKET BY BILL BIXBY'S BIG-ASS COMMUNIST 18-WHEELER (KELLY MCKENZIE)**

**TOSSUPS**

1.) A disastrous trip to Blaize Castle leads the protagonist of this novel to suspect the falseness of several of her friends, and is confirmed when her brother James sees his engagement to Isabella Thorpe end after Isabella discovers his lack of wealth. After vacationing with Mr. and Mrs. Allen, the protagonist is invited to the title estate by General Tilney, who encourages his son Henry to court her due to his mistaken belief in the size of her dowry, and despite the General sending her away on learning the truth, Henry proposes away. Centering on the maturation of Catherine Morland, FTP, what is this Jane Austen work that parodies gothic novels?

Answer: **Northanger Abbey**

2.) One of the few cultural developments of this short-lived period was the use of clay puppets for acting out dramas. It ended with the seizure of power by Sima Yen less than 60 years after it began with the ceding of the throne to Ts'ao P'ei. It soon dissolved into bloody warfare that erupted when southern and western generals established the Shu-Han and Wu states to oppose the northern Wei kingdom. Falling between the Han and Chin dynasties, FTP, what was this 3<sup>rd</sup> century period of Chinese history, subject of a famous "Romance" and named for the number of opposing regions involved?

Answer: **Three Kingdoms Period**

3.) Although this country's highest point is the modestly sized Mount Mousa, its lowest point, Lake Assal, is the lowest point in Africa. Its importance stems in part from the Gulf of Tadjoura, which practically cuts in two the eastern part of the country and provides access to the Gulf of Aden. Major cities include Ali Sabieh, Dikhil, and Obock, but nearly 2/3 of the population lives in the capital of the same name, including its two major ethnic groups, the Issa and Afars. FTP, what is this small country surrounded by Somalia, Ethiopia, and Eritrea?

Answer: **Republic of Djibouti**

4.) Materials exhibiting this phenomenon typically have values of susceptibility near negative one-billionth. Caused by Lenz's Law, it was first observed by S.J. Brugmans in antimony and bismuth, the latter of which is the element that exhibits it to the highest degree. It is characteristic of materials that line up at right angles to a non-uniform magnetic field, thus giving them what is often popularly regarded as "negative" magnetism. FTP, what is this form of magnetism that is often masked by paramagnetism and ferromagnetism?

Answer: **diamagnetism**

5.) One of the few pieces of traditional operatic music in this opera is the song *Abendlich strahlt*. Written in four scenes without interruption, its prelude is built out of a single E-flat chord. In it, the giants Fasolt and Fafner build a great palace, and are convinced to accept the title object as payment. However, Albrecht had previously stolen it and used it to forge a cursed ring whose creation is depicted by the playing of 18 anvils. FTP, what is this Wagner opera, the first in the *Ring* cycle?

Answer: **Das Rheingold**

6.) During his rule, this leader improved the lot of the poor of Attica by instituting traveling judges, and funded his lavish public works by issuing perhaps the earliest Attic coinage. Taking advantage of his leadership of the "Hill-men" of northeast Attica, he used a ruse to initially seize power, but was quickly expelled. He regained power with the help of Megacles, and after 20 years in power was succeeded by his sons Hippias and Hipparchus. FTP, who was this 6<sup>th</sup> century BC tyrant of Athens who ushered in a golden age of peace and prosperity?

Answer: **P(e)isistratus**

7.) In this book, the author compares the seclusion of one of the cultures he examines to stagnant water, and the other to a mirror. Opening with an analysis of *pachucos*, the author claims that American culture suffers from the delusions of what he calls "Panglossism", resulting from Calvinism, the religious code of the Founding Fathers, and the moral code of the Victorians. In contrast, such masks as silence, machismo, and the cult of death have been adopted by Mexicans to disguise their fundamental historical isolation. FTP, what is this essay, perhaps the most famous work by Octavio Paz?

Answer: The **Labyrinth of Solitude** (El laberinto de la soledad)

8.) His attempts to do his job have resulted in his having his foot stepped on, being assaulted by a pricing gun, and getting part of his head stuck in the mail slot of a barbershop door. He has flown outside of an airplane window and ridden on a roller-coaster trying to inform people about his product, but no one ever seems to hear him, even celebrities like Wayne Newton, Chevy Chase, and Yogi Berra, who have appeared in commercials with him. Voiced by Gilbert Gottfried, FTP, what is this advertising mascot who tries to market a brand of supplemental insurance with his trademark quack?

Answer: The **AFLAC Duck**

9.) The method used to prove this theorem was initially introduced in 1879 by A.B. Kempe, who created a short list of so-called "unavoidable" configurations that must always be present and that can always be reduced to a simpler case. That list was then expanded to 1,936 configurations by a team at the University of Illinois led by Kenneth Appel and Wolfgang Haken, who used an innovative combination of theoretical reasoning and computer analysis to provide a proof. First formulated by August Mobius, FTP, what is this theorem defining the minimum number of shades needed to create a map in which no two neighboring regions share the same color?

Answer: **Four-color map theorem**

10.) According to one of many variants to her story, she was killed for wandering into a forbidden religious site after having been captured by shepherds and given as a gift to her father Lycaon. Her name means "most beautiful", and it was her beauty that led to Zeus' attraction. Some myths claim she was unknowingly killed by her son Arcus, after which Zeus turned them into stars, but Hera convinced Tethys to force them to endless revolve around the Pole Star. FTP, who was this attendant of Artemis who was turned into a bear?

Answer: **Callisto**

11.) According to one legend, he was inadvertently killed when Lancelot rescued Guinevere from the stake, ultimately leading to the downfall of Arthur's court. Treated with contempt by Linet, he succeeded in defeating Sir Ironside and rescued Linet's sister Liones from Castle Perilous. The son of King Lot and Margawse, his mother would only allow him to become a knight if he served as a scullion for a year, which he did, serving Sir Kay. FTP, who was this knight whose fine hands gained him the nickname "Beaumains"?

Answer: Sir Gareth

12.) Included in its provisions was a fourth month grace period for local, small-scale transactions. Within the year, a bill to override it was pocket-vetoed, but a joint resolution of Congress ended the policy less than two years after it was issued on July 11, 1836. It sought to depress a wave of land speculation sparked by an outpouring of promissory notes by Wildcat banks, but led to the Panic of 1837. FTP, what was this Andrew Jackson proclamation that only hard money would be accepted as payment for public lands?

Answer: **Specie Circular**

13.) At normal temperatures, the results of this effect are the opposite for hydrogen and helium as they are for all other gases. It leads to deviations in both Boyle's law and Joule's law, and for a given pressure results in the "inversion temperature", at which the deviations perfectly offset each other. It results from the internal work occurring in a gas to overcome intermolecular forces while expanding into a region of lower pressure, causing a change in temperature. FTP, what is this effect named for the two British scientists who discovered it?

Answer: **Joule-Kelvin effect** or **Joule-Thomson effect**

14.) This poem's prologue and epilogue are invocations to the sun, while fire and light supply its dominant imagery. Translated by Kimon Friar, its author claimed that it represented a new attempt of modern man "to find deliverance by passing through all the stages of contemporary anxieties and by pursuing the most daring hopes", symbolized by its central character's adventures in Sparta, Crete, and down the length of Africa to his death at the South Pole. Consisting of 24 books grafted to its predecessor at Book XXII, FTP, what is this "modern sequel" to a work of Homer by Nikos Kazantzakis?

Answer: The **Odyssey: A Modern Sequel**

15.) He expanded on his earlier work in 1923's *Absentee Ownership and Business Enterprise in Recent Times*. Gaining a doctorate from Yale, he wrote a series of works noted for their trenchant social criticism, including *Imperial Germany and the Industrial Revolution*, *The Instinct of Workmanship*, and *The Theory of Business Enterprise*, but is best known for a work in which he discussed "pecuniary emulation" and "conspicuous consumption". FTP, who is this economist, author of *The Theory of the Leisure Class*?

Answer: Thorstein **Veblen**

16.) In the mid-19th century, the southern Penateka branch of this Native American group were settled on an Oklahoma reservation, but the northern group resisted settlement, successfully defeating an 1864 campaign led by Kit Carson. Organized in approximately 12 autonomous bands that did not perform the typical integrating tribal ceremonies, they were an offshoot of the Shoshoni that dominated the southern Great Plains during the 18th and 19th centuries. FTP, what was this nomadic Indian group famous for their skilled horsemanship?

Answer: **Comanche**

17.) Close inspection of this fresco reveals fine vertical lines scratched into the plaster by the artist, which he used to establish the contrapposto stances of the seventeen figures represented. To the left is a scene occurring at Lake Genezareth, while the scene on the right takes place before a house in Capernaum. Before a revolutionary background landscape, Jesus is seen in the center advising Peter to catch a fish whose mouth will contain a coin to pay the local tax collector. FTP, what is this fresco painted in the Brancacci Chapel by Masaccio?

Answer: The **Tribute Money**

18.) The second figure known by this name established a camp at Tushino and besieged the forces of Vasily Shuysky for two years. Claiming to have escaped assassination, he had based his claims on the support of the wife of the first figure with this name, who had become tsar after a mob killed the son of Boris Godunov in 1605. FTP, who were these two rebels during the Time of Troubles who both claimed to be the brother and rightful heir to the last of the Rurics?

Answer: **False Dmitry**

19.) Although it is an approximate law, it applies with fair accuracy to elements with a simple crystal structure, but fails at low temperatures, when the quantity involved tends to zero. Frequently used in the 19<sup>th</sup> century to determine atomic weights, in its original formulation it stated that a constant equal to approximately 25 Joules per Kelvin moles gives the product of the relative atomic mass and specific heat capacity of a solid element. FTP, what is this law whose modern statement holds that the molar heat capacity of a solid element is approximately 3 times the gas constant, named for its two French formulators?

Answer: **Dulong and Petit's Law**

20.) Among the unique symbols found in this artistic work are the recently extinguished candle on the table in the center and the two mousetraps found in the right panel, the first ever Annunciation panel to depict St. Joseph in his workshop. The left panel shows two donors piously kneeling before the entrance to the virgin's chamber, which is placed in a revolutionary everyday environment. FTP, what is this altarpiece by the Master of Flammelle?

Answer: The **Merode Altarpiece**

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BONUSES

1.) FTPE, stuff from Aztec myth.

1. (10 points) Seducer of the flower goddess Xochiquetzal, this god of night tested humans with hallucinations, and killed enemies with his magical smoking mirror.

Answer: **Tezcatlipoca**

2. (10 points) According to some myths, Tezcatlipoca successfully tempted this creator sky-god and drove him from Tula. He ruled the fifth world cycle and created the humans of that cycle.

Answer: **Quetzalcoatl**

3. (10 points) When the moon goddess Coyolxauhqui slew her mother Coatlicue for becoming pregnant again, this sun and war god sprang fully armed from Coatlicue's womb and beheaded Coyolxauhqui, after which her head became the moon.

Answer: **Huitzilopochtli**

2.) FTPE, stuff about a 20<sup>th</sup> century author and his work.

1. (10 points) This novel concerns a gentle ferry-boat operator named Leander who eventually swims out to sea due to his tyrannical family, and goes on to describe the disastrous lives of his sons Coverly and Moses.

Answer: **The Wapshot Chronicle**

2. (10 points) Name the author of *The Wapshot Chronicle*, perhaps also familiar to fans of *Seinfeld* as the lover of Susan's father and author of *Falconer*.

Answer: **John Cheever**

3. (10 points) In this oft-anthologized John Cheever short story, Neddy Merrill sees his life disintegrate after deciding to attempt to return home from his friends' house through a series of neighborhood pools.

Answer: **The Swimmer**

3.) FTPE, name the following about a biological phenomenon.

1. (10 points) "Aggressive" and "Mertensian" are two types of this phenomenon generally used as a defense mechanism and originally discovered in the markings of insects.

Answer: **mimicry**

2. (10 points) The first type of mimicry to be described and explained, it occurs when a harmless species mimics a harmful species to protect itself from predators.

Answer: **Batesian mimicry**

3. (10 points) In this form of mimicry, several harmful species resemble each other so that predators that have already learned to avoid one species will avoid the others as well.

Answer: **Mullerian mimicry**

4.) FTPE, stuff about tenebrist painters.

1. (10 points) This great Italian's early works like *Young Bacchus* and *Boy with a Fruit Basket* have a homoerotic character. Better known is *The Calling of St. Matthew*.

Answer: **Michelangelo Merisi da Caravaggio**

2. (10 points) Influence by her father Orazio, this Italian became a leading Caravaggesque artist, seen in her numerous depictions of *Judith Beheading Holofernes*.

Answer: **Artemisia Gentileschi**

3. (10 points) One of the best of the Caravaggesque painters was this Frenchman known for his use of simple human forms, as in *The Denial of St. Peter*, *The Payment of Dues*, and *St. Sebastian Tended by St. Irene*.

Answer: **Georges de la Tour**

5.) FTPE, stuff about a man known as the "uncrowned king of Ireland".

1. (10 points) Despite allegations of involvement in the "Phoenix Park murders", this Irish politician used his mastery of obstructive parliamentary tactics to work towards home rule until scandal ended his career in 1890.

Answer: Charles Stewart **Parnell**

2. (10 points) Parnell allied himself with this Liberal Prime Minister and opponent of Disraeli known as the "grand old man of liberalism".

Answer: William **Gladstone**

3. (10 points) Parnell's career came to an end with revelations of an affair with this woman, who he later married.

Answer: (Katherine) Kitty **O'Shea**

6.) Without a doubt, the greatest Shakespearean actress of this generation is Julia Stiles. Name these Julia Stiles films having something to do with the most overrated author in history, FTPE.

1. (10 points) Your question writer must ruefully admit liking this adaptation of *The Taming of the Shrew* in which Julia is courted by Heath Ledger.

Answer: **Ten Things I Hate About You**

2. (10 points) I don't think this film is based on Shakespeare, but Julia's character is named Imogen. The brain cells of viewers burst trying to watch her painfully dull courtship with aspiring chef Freddy Prinze Jr.

Answer: **Down to You**

3. (10 points) Julia plays Desi in this adaptation of *Othello* in which Josh Hartnett joins the ranks of the great Iagos of film history with his innovative "slack-jawed doofus" interpretation of the role.

Answer: **O**

7.) Name these Indian authors, FTPE.

1. (10 points) This Sanskrit playwright wrote the *Shakuntala*..

Answer: **Kalidasa**

2. (10 points) This 11<sup>th</sup> century Sanskrit author is known for the monumental collection of poetic tales translated as the *Ocean of the Streams of Story* featuring King Udayana.

Answer: **Somadeva**

3. (10 points) This author's most recent novel is *The Ground Beneath Her Feet*.

Answer: Salman **Rushdie**

8.) FTPE, name the following about the Hertzsprung-Russell diagram.

1. (10 points) Most stars lie in this region running diagonally from the top left to the bottom right.

Answer: **main sequence**

2. (10 points) In the bottom left, below the main sequence, lie these dying stars with luminosities typically 10,000 times less than the Sun's.

Answer: **white dwarfs**

3. (10 points) As stars evolve and move toward the main sequence, they follow either a vertical track or a horizontal track. Name either of these paths named for the scientists who studied them.

Answer: **Hayashi** track or **Henyey** track

9.) Stuff about a composer, FTPE.

1. (10 points) He died after a brain operation to relieve symptoms due to an accident in a Paris taxi, but not before composing the ballet *Daphnis and Chloe* and *Bolero*.

Answer: Maurice **Ravel**

2. (10 points) One of Ravel's last works was this unusual piano concerto written for the brother of Ludwig Wittgenstein, who suffered an injury during WWI.

Answer: Piano **Concerto for Left Hand Alone**

3. (10 points) Called a "choreographic poem" by Ravel, this work uses a waltz theme to depict dancers at an imperial court in 1855 Vienna.

Answer: La **Valse**

10.) FTPE, name these kings of Rome.

1. (10 points) This peaceful, devout ruler created the major religious institutions of Rome, and stands in contrast to his warlike successor Tullus Hostilius.

Answer: **Numa Pompilius**

2. (10 points) Migrating to Rome because of its reputation for admitting foreigners, he won victories against the Latins, Sabines, and Etruscans as the fifth king of Rome.



Answer: **Tarquinius Priscus** (or Lucius Tarquinius)

3. (10 points) Taking the crown by murdering Servius Tullius, he was ousted as the last king of Rome after the rape perpetrated by his son Sextus, despite an attempt to regain the throne with the aid of Lars Porsenna.

Answer: **Tarquinius Superbus**

11.) Asian mountain chains, FTPE.

1. (10 points) Found mainly on the Chinese-Kyrgyzstan border, these mountains contain the lowest point in central Asia, the Turfan Depression, as well as two of its highest, Hantengri and Pik Pobedy, or Victory Peak.

Answer: **Tien Shan Mountains**

2. (10 points) To the south of the Tien Shan Mountains is this system containing such mountains as Lenin Peak and Communism Peak.

Answer: **Pamir Mountains**

3. (10 points) The Pangong Range is included in this great range whose name means "Black Rock". It contains four mountains exceeding 26,000 feet, including K2.

Answer: **Karakoram Mountains**

12.) Ben Jonson works, FTPE.

1. (10 points) The title figure plots with his servant Mosca to feign illness to gain gifts from would-be heirs.

Answer: **Volpone**, or The Fox

2. (10 points) The annual title event serves as the setting for a number of stories concerning such characters as Adam Overdo, Winwife, Quarlus, Waspe, and Zeal-of-the-Land Busy.

Answer: **Bartholomew Fair**

3. (10 points) In this play, the conman Meercraft fails to steal land from Fitzdottrel when he pretends to be bewitched. A subplot tells of Pug, a minor demon allowed by Satan to spread wickedness for a day, only to find that human wickedness is worse than his own.

Answer: The **Devil is an Ass**

13.) FTPE, name these amino acids found in the body of Carrot Top.

1. (10 points) This amino acid is the weakest of the three major basic amino acids due to the presence of its imidazole ring, which acts as a buffer.

Answer: **histidine**

2. (10 points) Along with the closely related hydroxy version, this compound present in collagen is actually an imino acid, as its amino group is bonded to its alkyl side chain, forming a ring.

Answer: **proline**

3. (10 points) This amino acid is the simplest of the alkyl side chain series, possessing the methyl group as its side chain.

Answer: **alanine**

[-10 points for making me think of Carrot Top at 1 am. Is there any way you can make this bonus accessible to somebody who hasn't memorized all the amino acids?]

14.) FTPE, stuff about a country that broke up in 1993.

1. (10 points) The modern version of this country was founded in 1918 by Tomas Masaryk and Edvard Benes. Later leaders included Klement Gottwald and Alexander Dubcek.

Answer: **Czechoslovakia**

2. (10 points) Benes created this alliance between Czechoslovakia, Romania, and Yugoslavia in 1920 to protect the territorial interests of the three countries.

Answer: **Little Entente**

3. (10 points) The end of the Little Entente contributed to the taking of this northwestern frontier of Czechoslovakia by Germany in 1938.

Answer: **Sudetenland**

15.) FTPE, name these Supreme Court cases.

1. (10 points) Reversing Holden v. Hardy, the Court struck down a New York law regulating the length of bakers' workdays.

Answer: **Lochner v. New York**

2. (10 points) In this 1895 decision, the Court exempted manufacturing from the Sherman Anti-Trust Act in a case involving a near-monopoly of sugar refining.

Answer: **United States v. E.C. Knight Company**

3. (10 points) In 1984 this case provided an exception to the exclusionary rule, allowing evidence found illegally but in "good faith".

Answer: **United States v. Leon**

16.) If you think the dickbags that write those awful quizbowl parody songs on the message board are infuriating, your question writer found something even worse: a song about a chemical reaction set to the music of Devo's "Whip It". Name the following about this reaction, FTPE.

1. (10 points) This is the name for a hydrocarbon containing a carbon-carbon double bond.

Answer: **alkene**

2. (10 points) The Horner reaction is a cheaper alternative to this reaction named for a co-winner of the 1979 Chemistry Nobel, in which a compound he discovered reacts with an aldehyde or ketone to produce an alkene.

Answer: **Wittig reaction**

3. (10 points) The key ingredient in the Wittig reaction is this compound he discovered, a chemical species produced by the loss of a hydron from an atom directly attached to the central atom of an onium ion.

Answer: (phosphorus) **ylide** or **phosphorane**

17.) Hemingway works, FTPE.

1. (10 points) After a romance with the gypsy girl Maria, Robert Jordan joins the guerilla Anselmo to blow up a bridge in the Spanish Civil War in this novel.

Answer: **For Whom the Bell Tolls**

2. (10 points) This story shares its name with a famous Russian novel. In it, Nick Adams discusses the loss of his virginity with a girl named Trudy.

Answer: **Fathers and Sons**

3. (10 points) In this tale, the story of a boxer named Steve Ketchel is recounted by a group of prostitutes.

Answer: **The Light of the World**

18.) FTPE, name the following about the cabinet of John Adams.

1. (10 points) Benjamin Stoddert became the first secretary of this department created during Adams' administration.

Answer: **Department of the Navy**

2. (10 points) Washington's last Secretary of State, this politician remained in the post under Adams until 1800, after which he led the Federalist opposition in Congress as a senator and representative from Massachusetts.

Answer: **Timothy Pickering**

3. (10 points) After a policy dispute, Adams replaced Pickering as secretary of state with this man better known for his dominance of another government branch.

Answer: **John Marshall**

19.) FTPE, name these German philosophers.

1. (10 points) This dude is known for his development of dialectic and works like *The Phenomenology of the Spirit* and *The Philosophy of Right*.

Answer: **Georg Wilhelm Friedrich Hegel**

2. (10 points) This thinker is best known for his analysis of being and time in his masterpiece, which he perplexingly entitled *Being and Time*.

Answer: **Martin Heidegger**

3. (10 points) This leader of German Romanticism developed the idea of an entirely personal attitude to religion in *Speeches on Religion*. He also wrote the Ten Commandments for Noble-Minded Women.

Answer: **Friedrich Ernst Daniel Schleiermacher**

20.) FTPE, name these powerful Italian families.

1. (10 points) Established by Archbishop Ottone, this family dominated Milan, and for a time threatened to

conquer the entire peninsula, until the main line died out in 1447 and they were replaced by the Sforza.

Answer: **Visconti**

2. (10 points) Often at war with the Visconti, this family dominated Mantua for three centuries. A branch of the family became the Dukes of Montferrat.

Answer: **Gonzaga**

3. (10 points) Several popes, including Leo X and Clement VII, came from this Florentine family.

Answer: **Medici**