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PACKET-OF-THE-MONTH CLUB

v. 1.0/September, 1996

Questions submitted for WAKE FOREST UNIVERSITY
by Robert Whaples <whaples@fln3fddi.sp2net.wfu.edu>.

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Please send any comments to Samer Ismail <samer.ismail@yale.edu>.

Toss Ups:

1. A negotiator with Franklin of the 1783 Treaty of Paris, this diplomat and statesman was Secretary of Foreign Affairs under the Articles of Confederation. This frustrating experience lead him to become an advocate of the Constitution. FTP, name this man wrote "Concerning Dangers from Foreign Force and Influence," in the second, third, fourth, and fifth of the Federalist Papers.

answer: John Jay

2. For ten points, which one of Russia's "Mighty Handful" composed works including the Polovistian Dances from _Prince Igor_ and the symphonic poem _In the Steppes of Central Asia_?

answer: Aleksandr _Borodin_

3. He wrote more than 30 plays, 20 film scripts, and 90 books. He was educated at Dulwich College in London, and became a U.S. citizen in 1955. He is most famous for his farcical novels and the characters which inhabit them, such as Lord Emsworth and the Empress of Blandings. However, his best character is the "gentleman's gentleman," the manservant Jeeves. FTP, name this author.

answer: P. G. WODEHOUSE

4. In 1919, during India's struggle for independence, British-officered troops shot up a political gathering in the rebellious Punjab province. The troops kept firing until they ran out of bullets and 379 civilians were dead or dying. FTP, in what city did this massacre take place?

answer: Amritsar

5. CPU stands for Central Processing Unit. CPA for Certified Public Accountant. CPO stands for Chief Petty Officer. FTP, what is the meaning of the abbreviation CPI?

answer: Consumer Price Index

6. The experimental work of T.W. Richards and W. Nernst first suggested this law. However, their work only showed that the change in entropy of any reaction will approach zero as the temperature approaches absolute zero. FTP, what is this law, formulated in 1913 by Max Planck, that states, "The entropy of any pure substance in a perfect crystalline form is zero at a temperature of absolute zero"?

answer: The Third Law of Thermodynamics

7. It was published in French in 1865, and was published in America under the names The Baltimore Gun Club and The American Gun Club. It concerns a collection of obsessive American Civil War veterans who conceive the idea of creating an enormous cannon to shoot a space-bullet from a site in Florida. Although subtitled "Direct Passage in Ninety-Seven Hours and Twenty Minutes," the actual journey was depicted in the novel's sequel, Round The Moon. FTP, name this Jules Verne novel known in France as De la Terre a la Lune.

answer: FROM THE EARTH TO THE MOON

8. For a time he made do as a mail clerk in Los Angeles, but in 1978 he and Joe Shuster won a suit against DC Comics which guaranteed them a pension and health insurance. For ten points, name this recently deceased creator of Superman.

answer: Jerry Siegel

9. Among his descendants were Menelaus and Agamemnon. His grandson Thyestes once seduced Aerope, wife of another grandson, Atreus. For this crime, Atreus killed Thyestes' children and served them as stew to Thyestes. Atreus, of course, must have gotten this idea from him, because this Greek mythological figure killed his own son, Pelops, and served him as a stew to the gods. For this crime, he was banished to Hades. FTP, name this king of Lydia, who is forever punished with unended thirst and hunger, but can't quite reach the water at his feet and the grapes above his head.

answer: TANTALUS

10. When the first Encyclopaedia Britannica was published in the eighteenth century it covered all that was known about this country in one sentence, giving its latitude and longitude. Let's see if you can recognize it by this information. What country lies between 30 degrees and 45 degrees North, and between 129 and 146 degrees East.

answer: Japan

11. He was the son of a machinist, grew up in Chicago, and worked his way

through the University of Illinois, graduating with a degree in journalism. His first novel, *Somebody in Boots*, relates the driftings of a poor young white Texan in Chicago, and his novel *Never Come Morning* tells of a Polish petty criminal who dreams of escaping from Chicago's Northwest Side. One of his most famous books tells of its hero, Frankie Machine, whose career as a poker dealer is threatened by a shakiness in his arm due to drug abuse. FTP, name this American, author of *A Walk on the Wild Side* and *The Man with the Golden Arm*.

answer: Nelson ALGREN

12. He was the son of Puerto Rico's first Resident Commissioner. For ten points, identify the man who in 1948 became Puerto Rico's first elected governor.

answer: Luis Munoz _Marin_

13. He had a great enthusiasm for sports, but several bouts with tuberculosis made him into a student at the University of Algiers. Throughout the 1930s, he wrote, produced, adapted, and acted for a theater company, although his plays are the least admired of his literary outputs. He often examined the isolation of the individual and the problem of evil, and he received the Nobel Prize for literature in 1957. Among his many philosophical works are *The Fall* and *The Rebel*, in which he often analyzed contemporary nihilism and the sense of the absurd. FTP, name this French philosopher, author of *The Plague*.

answer: Albert CAMUS

14. Some of his most important work was in co-authoring a highly mathematical book called *The Theory of Island Biogeography* with Robert MacArthur in which they proposed a population equilibrium on islands. He is probably better known, however, among entomologists for his extensive studies of ants and among environmentalists as a champion of biodiversity. FTP, who is this biologist who also became famous by publishing *Sociobiology: The New Synthesis*, a book that suggested a link between sociology and genetics?

Edward Wilson

15. The magnetic field due to a current is given by the law " $B = \mu_0 \frac{I \sin \theta}{4\pi r^2}$." FAQTP, name this law of magnetostatics analogous to the Coulomb force law for electrostatics.

answer: Biot-Savart Law

16. He wrote many novels, all in Italian, such as *The Late Mattia Pascal* and *One, None, and a Hundred-Thousand*, as well as many plays, such as *Right You Are- If You Think You Are* and *Tonight We Improvise*. He was awarded the Nobel prize in Literature in 1934. He became well known when his most famous play was performed in Paris in 1923. FTP, name the author of *Henrico IV* and *Six Characters in Search of an Author*.

answer: Luigi PIRANDELLO

17. For a quick ten points, which two of the seven wonders of the ancient world were works of sculpture?

answer: the Colossus of Rhodes, and the statue of Zues by Phidias
(prompt if they say only Zues or Phidias)

18. Major League Baseball's Hall of Fame is in Cooperstown, NY. For ten points, where is the Negro Leagues' Hall of Fame?

answer: Kansas City

19. He was tall, slender, and impressed people with his charming interpersonal skills, but in politics he made a host of enemies. Theodore Roosevelt in later years called him, "a politician of monumental littleness." A member of an aristocratic Virginia family, he was chosen as the vice-presidential candidate in hopes that he would attract conservative Democratic votes. In fact, as hoped for in a famous campaign song, his ticket beat "little Van, Van, Van." In his own time, Henry Clay called him a traitor to Whiggery, when he became a president without a party upon the death of his predecessor. FTP, name this first Veep to succeed to the Presidency. He ran with William Henry Harrison.

answer: John TYLER

20. Abimael Guzman, an academic turned revolutionary, was captured in 1992 by the Peruvian government. FTP, name the terrorist organization which he headed.

answer: the Shining Path (Sendero Luminoso)

21. Have you been waiting for a question about politics? Sorry. This operator is the sum of the spatial partial second derivatives in the Cartesian coordinate system, and it's named for the inventor of the SI, or "metric," system of units. FTP, what is this operator, usually written as del squared?

answer: the Laplacian

22. The wife of Florence's Francesco de Giocondo has one of the most famous and mysterious faces in the world. FTP, by what name do we better know the portrait of her that hangs in the Louvre?

answer: the Mona Lisa

23. In 1964, this author began a series of novels with his second most famous detective, Tiger Mann, in Day of the Guns. He also wrote individual novels such as The Erection Set and The Killing Man. However, he is most famous for the detective he created in I, The Jury, who also appeared in such works as The Big Kill and Kiss Me Deadly. He wrote the script and played the role of the detective in the 1963 version of his book, The Girl Hunters. FTP, name this creator of Mike Hammer.

answer: Mickey SPILLANE

24. In 1948 Israeli terrorists blew up Britain's administrative headquarters in Palestine. For ten points, name this hotel which had served as the British hqs.

answer: the King David Hotel

25. This seminal work of anthropology opens with a doomed priest of Nemi stalking the grove of Diana at Aricia on the Italian coast waiting for his unknown rival to assail, murder and replace him. Near its close the yellow, waxy mistletoe, the parasitic spirit of the oak is shown to be the branch carried to the underworld by Aeneas. Identify this important work published from 1890 to 1915 by Sir James Frazer.

answer: The Golden Bough

26. What's the most economically free place in the world? Both the Heritage Foundation Index and the Fraser Institute Index rank Singapore second. For ten points, Chris Patten is the current governor of which British colony that ranks first on both indexes of economic freedom.

answer: Hong Kong (the U.S. places seventh and fourth on these indexes)

27. This astronomer's 1994 book, *Pale Blue Dot*, proposes a picture of the human future that sounds a little bit like *The Mote in God's Eye*, a future in which humans hop from comet to comet in the Oort cloud. Although he is most known among scientists for his extensive work with the Voyager space probes, most people probably know him as an author and TV personality. FTP, name this scientist, once voted as the most intelligent man in America, who has written works including *Contact*, *Shadows of Our Forgotten Ancestors*, and *Cosmos*.

answer: Carl Sagan

Boni

1. Identify these three artists and/or lovers of the arts for ten points each.

He was born on January 1, 1864 in Hoboken, N.J. An American photographer, passionate advocate of photography as an art, and a pioneer exhibitor of modern art in the United States. In 1902 he founded the seminal Photo-Secession Group as a protest against the conventional photography of the time.

answer: Alfred Stieglitz

He was born on January 1, 1449 near Florence. A statesman, ruler, and patron of arts and letters, the most brilliant of the Medici. He ruled Florence with his younger brother, Giuliano, from 1469 to 1478 and, after Giuliano's death he ruled solo for fourteen years. He wrote a bit of Petrarchan verse himself and was the patron of Botticelli, Leonardo, Michelangelo and others.

answer: Lorenzo de' Medici

He was born in St. Paul, MN on December 25, 1885. His most noted work is Prometheus at Rockefeller Center.

answer: Paul Manship

2. Name these Nobel Laureates in Economics for ten points each.

He won in 1986, "For his development of the contractual and constitutional bases of the theory of economic and political decision making." He shares his name with a U.S. President.

answer: James Buchanan

He won the prize in 1987 "For his contributions to the theory of economic growth," establishing the basic neoclassical theory of growth based on the level of capital, labor, and total factor productivity.

answer: Robert Solow

He won in 1991 "For his discovery and clarification of the significance of transaction costs and property rights for the traditional structure and functioning of the economy." His theorem states that if property rights exist and transactions costs are low, private transactions are will be efficient since there will be no externalities.

answer: Ronald Coase

3. They all expired in 1965. Name them for five points each.

He won the Nobel Literature Prize in 1948, was born in St. Louis, became a British subject in 1927, and wrote Murder in the Cathedral.

answer: T.S. Eliot

She wrote _A Raisin in the Sun_.

answer: Lorraine Hansberry

She headed the Labor Department under FDR.

answer: Frances Perkins

He wrote _The Ugly American_ and _Fail Safe_.

answer: Eugene Burdick

This architect, sculptor and painter designed the city of Chandigar, India.

answer: Le Corbusier

This Alsatian theologian and musician, won the Nobel Peace prize.

answer: Albert Schweitzer

4. Jesus, Joseph, Jehovah, all these Biblical names start with J. See if you're a Bible J-nius, and answer the following questions:

5 for 2, 10 for 4, 15 for 5, 20 for all six, name the six books of the Protestant old testament which start with J.

JOSHUA, JUDGES, JOB,
JEREMIAH, JOEL, JONAH

For 10 points, name the queen of Israel, and wife of Ahab, who shares her name with a woman who lured Christians to fornication and idolatry.

JEZEBEL

5. What dynasty did they found? Correct answers are worth five points each.

Babar

answer: Mogul

Frederick I of Brandenburg

answer: Hohenzollern

Henry VII of England

answer: Tudor

George I of England

answer: Hangover, oops Hanover

Henri IV of France

answer: Bourbon

Steven of Hungary

answer: Arpad

6. How well do you know the Nobel class of 1995? Answer the following questions about science and scientists in 1995 Nobels for the stated number of points:

First, for five points, what Nobel Prize did physicist Joseph Rotblat, one of the few remaining members of the Manhattan project win?

answer: Peace

And for another five points, for work with what organization did he win the Prize?

answer: Pugwash

Ok, for another quick ten points, who won a 1995 Physics prize for discovering the tauon (a.k.a. tau meson)?

answer: Martin Perl

The discovery of what other lepton shared the 1995 Physics prize, for five points?

answer: ^{tau}neutrino

For a final five points, in what general field was the work of all of the three Chemistry Prize-winners in 1995?

answer: atmospheric chemistry (primarily ozone depletion)

7. Stalking is a crime in most states, but this question isn't about stalking, it's about stockings. First, some questions about the Leather-Stocking Tales, for five points each:

What was the first in the series?

answer: The PIONEERS

Which tells about the final events chronologically?

answer: THE PRAIRIE

Which was the last in the series?

answer: The DEERSLAYER

Which is first chronologically?

answer: The PIONEERS

Which is subtitled "The Inland Sea?"

answer: The PATHFINDER

Now, for an additional five points, who about Pippi Longstocking?

answer: Astrid LINDGREN

8. First, ftp, name the landmark 1908 Supreme Court case which established the power of states to limit the working hours of adult women.

answer: Muller v. Oregon

The hallmark of Muller v. Oregon was a legal brief that relied not on legal precedence but on sociological information about the impact of long working hours on women and their families. For ten points, name either of the authors of this brief. One went on to become a Supreme Court Justice, the other was his sister-in-law.

answers: Louis Brandeis and Josephine Goldmark

Finally, name the 1905 case involving bakery workers in which the Court struck down the state's maximum hour law.

answer: Lochner vs. New York

9. Time for everyone's favorite question -- a 30-20-10 in mathematics!

(30 pts) Similar in name to a 19th century Utopian who disavowed industry, this mathematical device, which was named after Napoleon's prefect of Grenoble who developed the theory of heat conductance, vastly simplifies the study of waves.

(20 pts) If you apply this transform to any wave, you will convert the wave from a function of a parameter with respect to time into a function of amplitude in terms of frequency.

(10 pts) The basic theory behind the use of this mathematical transformation is that any periodic wave can be represented as a sum of sine and cosine waves of different frequencies.

answer: Fourier Transforms

10. Yonsei are fourth generation Japanese Americans. For ten points each, give the similar names for first, second, and third generation Japanese Americans.

answers:
first- Issei
second- Nisei
third- Sansei

11. Identify these three films nominated for the 1996 Academy Award for best picture:

It is an Australian film about a pig that thinks it is a sheepdog.

answer: Babe

It is based on a novel by Jane Austen and is directed by Ang Lee.

answer: Sense and Sensibility

It is an Italian picture whose title means "The Postman"

answer: Il Postino

12. The end is near! Answer these questions for five points each.

Who wrote the play Endgame?

answer: Samuel BECKETT

Who wrote the tetralogy Parade's End?

answer: Ford Madox FORD

Who wrote the novel Chimmoku, translated as Silence?

answer: ENDO Shosaku

What beautiful Greek youth spent much of his life in unending sleep?

answer: ENDYMION

What term describes poetry in which there is a grammatical pause at the end of each line?

answer: END-STOPPED

What sorceror is mentioned in chapter 28 of 1st Samuel?

answer: WITCH OF ENDOR

13. Are you into bondage? For five points each and a five point bonus for all five correct, identify the type of chemical bond:

-typified by a "gas" of electrons

answer: metallic

-sigma and pi bonds are both this type

answer: covalent

-involves the transfer of charge between atoms

answer: ionic

-compounds with this type of bond often have vibrational excitation modes similar to harmonic oscillators

answer: covalent

-a weak bond formed by a dipole interaction such as the bonding found in ice crystals

answer: hydrogen

14. Name these world leaders who have recently been in the news for ten points each:

In Spain the conservative Popular Party lead by Jose Maria Aznar won the general elections this month (March 1996). This ends 13 years of Socialist rule. FTP, who is the out-going Socialist Prime Minister of Spain?

answer: Felipe Gonzalez

In Australia the conservatives behind John Howard recently won a landslide. This ends 13 years of Labor Party rule. FTP, who is the out-going Prime Minister of Australia, who lead the Labor Party?

answer: Paul Keating

President Clinton has placed Colombia on the list of nations not cooperating in the suppression of the international drug trade, partly due to evidence that its president has ties to drug barons. FTP, name Colombia president.

answer: Ernesto Samper

15. These questions concerns three dead but otherwise unrelated Europeans.

Marie Antoinette went to the guillotine for treason against France. Ironically, the nation she was accused of aiding and abetting was actually her homeland. FTP, identify it.

answer: Austria

Between 1720 and 1723 John Trenchard and Thomas Gordon published 144 essays on liberty- civil and religious in the London Journal and the British Journal. These essays were very influential in colonial American circles. Trenchard and Gordon published under a pseudonym, naming themselves for a Roman who lived from 95 to 46 BC and who was an implacable foe of Julius Caesar. For ten points, give the pseudonym.

answer: Cato

When this man died, Metternich remarked, "I wonder what can he have meant by that?" FTP, name this man who served as minister of foreign affairs under Napoleon and who later helped restore the Bourbons and represented France at the Congress of Vienna.

answer: Talleyrand (Charles Maurice de Talleyrand-Perigord)

16. Name the author of the following works, 30-20-10

30. The Angelic Avengers and Carnival: Entertainments and Posthumous Tales

20. Letters from Africa, Babette's Feast, and Seven Gothic Tales

10. Winter's Tales and Out of Africa

answer: Isak DINESEN or BARONESS BLIXEN-Finecke

17. Mexico, land of hope, opportunity, but no longer land of California, Texas, and the other southwestern states. Answer these questions about the Mexican-American War.

For five points, what president was in office at the start of the war?

answer: James POLK

For ten points, what treaty ended the war?

answer: Treaty of GUADALUPE HIDALGO

For fifteen points, what colonel bloodlessly occupied Santa Fe, then marched to California to complete the Bear Flag revolution?

answer: Stephen KEARNY

18. You know that Albert Einstein was the key figure in developing the special theory of relativity, but how well do you know the other important contributors to that theory? FTP each, name the scientists.

Besides anticipating chaos theory, this French theoretician also nearly anticipated the entire theory of special relativity in papers in 1899 and 1904, but he couldn't abandon the idea of ether.

answer: Henri Poincare

He was one of the first physicists to think about relativistic effects, although he was mainly interested in the luminiferous ether. Name this physicist who developed the idea of length contractions and for whom the fundamental equations of special relativity are named.

answer: Lorentz

After Einstein wrote his 1905 paper on special relativity, this mathematician developed the geometrical formalism needed for Einstein to expand the theory into general relativity. Who is the mathematician for whom graphs of space time are named?

answer: Minkowski

19. Norse mythology is just really messed up. You've got giants, and dead gods, and some tree that holds up the universe.

FTP, what is the name of this tree?

answer: YGGDRASIL or MIMAMEITHR

This crazy tree has extensive roots, in fact three of them. For five points each, twenty for all three, name the areas these three roots extend into.

answers: NIFLHELM (prompt on underworld)
JOTUNHEIM (prompt on land of giants)
ASGARD (prompt on land of gods)

20. Here it is: your chance to go 5-10-15 on genetics.

(5 pts) First, for five points, tell me what geneticists call long strands of DNA that don't actually code for any protein, but exist in eukaryote DNA anyway.

answer: introns

(10 pts) These "jumping genes" have the annoying property of moving around within your genome, potentially causing mutations. FTP, name them.

answer: transposons

(15 pts) This biologist, known as the "corn lady" to some, prompted others to question her sanity when she first proposed transposons early in her career. However, evidence has shown her to be correct, and she is now recognized as one of the best geneticists of her generation. For fifteen points, name her.

answer: Barbara McClintock

21. For fifteen points, first name the French school of landscape painting represented by Daubigny and Theodore Rousseau and associated with Millet and Corot.

answer: Barbizon

While we are on the subject of "bars", name the U.S. composer of _Adagio for Strings_ and the opera _Vanessa_.

answer: Samuel Barber

22. Name the famous German-American for ten points each.

He was an orphan who was apprenticed to a printer. In 1734 his editorial criticism of the governor of New York led to his arrest.

answer: John Peter Zenger

Her real name was Maria Ludwig. Her husband was a gunner in the American army during the Revolution.

and a few miles. He became the richest man in America by his wise investments in New York real estate and the profits from his American Fur Company.

answer: John Jacob Astor

23. Name the authors of the following books, all in the same series.

Berlin Game, _Mexico Set_, and _London Match_

answer: Len DEIGHTON

So long and Thanks for all the Fish, and _Mostly Harmless_

answer: Douglas ADAMS

The Warden, _Barchester Towers_, and _Last Chronicle of Barset_

answer: Anthony TROLLOPE

24. For ten points each, I demand that you supply these terms from economics.

The value of a firm's output minus the value of the intermediate goods bought from other firms.

answer: value added

The average number of times a dollar of money is used annually to buy the goods and services that make up GDP.

answer: velocity

The property of being instantly convertible into a means of payment with little loss in value.

answer: liquidity

25. Name the authors who created the following characters for ten points each. If you need the book, you'll only get five points.

10: Lily Bart, Simon Rosedale, and Lawrence Seldon

5: The House of Mirth

answer: Edith WHARTON

10: Memo Paris, Iris Lemon, and Roy Hobbs

5: The Natural

answer: Bernard MALAMUD

10: Mr. Humphrey Chimpden Earwicker, and Mrs. Anna Livia Plurabelle

answer: Molly Pitcher

He came to the U.S. in 1783 at age 20, arriving with twenty-five dollars
and a few flints. He became the richest man in America by 1790.

5: Finnegans Wake

answer: James JOYCE

--STI

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**** "They could still use their brains, which was . . . a sign they
hadn't yet completed a formal education." --_The Lost World_