

## 2001 Ghetto Warz

Packet by Stanford (Smith, Vinyard, Martinez, Mayefsky)

His normal form (coefficients of descending powers of omega) can be used to represent ordinals up to epsilon-naught. His set consists of a line segment from which the middle third has been recursively removed. FTP, identify this set theorist, whose diagonalization argument shows that not all infinite sets have the same size.

A: Georg Cantor

This chemical compound was recently detected in the atmosphere of Mars by two independent groups. It is also a greenhouse gas, with a global warming potential of 22. About 80% of the world's emission is from human actions, mostly coming from agricultural sources. It also is the reason that Neptune is blue. FTP, name this tetrahedral hydrocarbon, the simplest alkane.

A: methane or CH4

The three types of this device are single mode, multimode, and POF. At frequencies above 10 gigahertz, standard copper coaxial cable becomes very lossy, and this type of transmission line is often substituted. They work on the principle of total internal reflection, trapping a beam of light and directing it to the output. FTP, name this device, often made of glass or plastic.

A: Optical Fiber (accept fiber optics)

Unlike their counterparts, they typically have an outer membrane, which can carry toxic lipopolysaccharides. They tend to be more threatening and more resistant to antibiotics than their counterparts and are less affected by penicillin, perhaps because they have less peptidoglycan. FTP, identify this general type of bacteria, distinguished by their lack of retention of crystal violet in a certain procedure.

A: gram-negative bacteria

President Jackson moved this man from Attorney General to Treasury Secretary as part of the fight against the Bank of the U.S. In his most famous role, this man dealt with the sanctity of state contracts in *The Charles River Bridge Case*, with habeus corpus in *Merryman, ex parte*, and with slavery in his most famous case, *Dred Scott v. Sandford*. FTP, identify this fifth Chief Justice of the U.S. Supreme Court.

A: Roger Brooke Taney (pron: TAW-ney)

Most of what we know of these people comes from thousands of clay tablets found near the modern city of Bogazkoy. In the early 1900's, their language was shown to be Indo-European. Important leaders included Mursilis I, who raided Babylon; Suppiluliumas, under whom the empire reached its height; and Muwatallis, who fought against Ramses II at Kadesh. FTP, identify this empire, perhaps the first to use iron, which was based in Anatolia, or modern-day Turkey.

A: the Hittites

The outcome of this battle may be blamed on the heavy rain of the night of June 17, which caused the losing commander to delay his attack for several hours. This delay, and the failure of Emmanuel de Grouchy to catch and destroy the Prussians after their defeat at Ligny, allowed Blucher's forces to come to the aid of the British under Wellington. FTP, named this 1815 battle, Napoleon's final defeat.

A: Waterloo

This nation's early history includes the kingdom of Ayutthaya (eye-you-tah-ya), founded around 1350. In 1782, the Chakkri dynasty was founded, and it continues to this day. The only Southeast Asian country to avoid colonization by Europeans, this is, FTP, what nation, which had many kings names Rama, and which changed its name in the middle of the 20th century.

A: Thailand (accept Siam)

This character was "a perfect master of Cotton Mather's history of New England Witchcraft." He has a love interest, but he seems more interested in her father's wealth. He loves to scare himself with ghost stories, and his rival, Brom Bones, takes advantage of that fact. FTP, identify this schoolmaster, who has an encounter with a "headless" horseman and is finally scared away from Sleepy Hollow.

A: Ichabod Crane (accept either name)

The first sentence of this novel mentions "a commodius vicus of recirculation." The character of Anna Livia Plurabelle represents the stream of life and especially the River Liffey. Her husband, Humphrey Chimpden Earwicker, is a pubkeeper, whose initials recur throughout the work. FTP, identify this novel, whose first sentence continues its last, the most obscure work of James Joyce.

A: Finnegans Wake

He is a descendant of Cain who lives with his mother. Kennings for him include "herdsman of evil" and "guardian of crime." John Gardner re-tells the story from his perspective, making him into an everyman who both observes humanity from the outside and facing existential fears. FTP, identify this monster, who haunts the mead-hall Herot and who loses an arm and then his life at the hands of Beowulf.

A: Grendel

He translated Ovid and Lucan and wrote the unfinished poem *Hero and Leander*. His plays include *The Massacre at Paris*, *Edward the Second*, and *Dido Queen of Carthage*, possibly written with Thomas Nashe. FTP, identify this writer, known for *The Passionate Shepherd to His Love* and the plays *Tamburlaine*, *The Jew of Malta*, and *Doctor Faustus*.

A: Christopher Marlowe

Banky doesn't know what this word means, and is later shot for his continuing questions. This word also describes that type of sublight and hyperdrive components used in Queen Amidala's J-type 327 starship, which Qui-gon has to obtain from Watto. FTP, name this word, which can also mean a resident of an ancient region of northeast Africa.

A: Nubian

Asinine, Spiffy, Interesting, Obvious, Strange, Sad, Cool, Scary, Dumbass, Florida, Hero, Weeners, Amusing, Photoshop, AudioEdit, and Boobies. These are just some of the categories on this website, known for links of interest and its mascot, a squirrel with enlarged glands. FTP, name this site, who's slogan reads "Its not news, Its Drew's."

A: [www.fark.com](http://www.fark.com)

Against the Tampa Bay Buccaneers on October 12, 1997, this man became the first running back to rush for two separate touchdowns of over 80 yards in a single game. In an amazing display of consistency, he rushed for over 100 yards in the final 14 games of that 1997 season. FTP, name this 2004 NFL Hall of Fame inductee, who is famous for juking defenders in the highlight reels while sporting a Detroit Lions uniform.

A: Barry Sanders

"I pressed the fire control...and ahead of me rockets blazed through the sky." So says the caption, written on a yellow background. The only other color used is red, mostly in the explosion of the second fighter jet. FTP, identify this painting by Roy Lichtenstein with an onomatopoeic single-word title, not to be confused with *BLAM*.

A: WHAAM!

His teachers included Christian Neefe, Salieri, Haydn, and Mozart (briefly). His early work was fairly typical of the Classical period, but he later introduced many new techniques and provided a bridge to the Romantic period. He wrote the Heiligenstadt Testament about his affliction. FTP, identify this composer of *Missa Solemnis*, the *Eroica Symphony*, and *Fidelio*.

A: Ludwig van Beethoven

She is one of the most important cultural icons of Mexico. Mexican Bishops have petitioned the Vatican for years to make a saint of indigenous Catholic convert Juan Diego for his connection to her. She is also one of the most famous and revered holy apparitions in the Catholic Church, with a large cathedral in Mexico City dedicated to her that attracts thousands of pilgrims every year. FTP, name this patron saint of Mexico.

A: Our Lady of Guadalupe (La Virgen de Guadalupe) (Prompt on Virgin Mary)

A beautiful woman throws one of these at the Irish hero Conle, who eats it for a year and begins to long for her. Hippomenes distracted Atalanta by throwing three of them during a footrace. FTP, identify these objects, some of which belong to the Hesperides, one of which was marked "for the fairest," and which Frey sends golden ones to Gerd as a marriage offer.

A: apples (accept golden apples)

This man said that there are only two things you find in the middle of the road, a moderate and a dead skunk. Before being appointed to his current post, he had lost an election to the deceased Mel Carnahan. FTP, identify this conservative Missourian, who has been criticized for his support of Operation TIPS and the PATRIOT Act, the current U.S. Attorney General.

A: John Ashcroft

This country's name means "land of wood and water." Half of its 14 parishes are named after saints. The Western Hemisphere's largest butterfly can be found in its Blue Mountains. Important towns include Spanish Town (the old capital) and the resorts of Ocho Rios and Montego Bay. FTP, identify this island nation, known for Rastafarianism and reggae, whose capital is Kingston.

A: Jamaica

Ellis says he has no idea what this word means. He says it's just a made-up word, a politician's word, so that young fellas can wear a suit and a tie and have a job. It's "just a bullshit word" he says, "So you go on and stamp your form sonny, and stop wasting my time, because to tell you the truth, I don't give a shit." FTP, name this word, which a member of the Parole Board defines as "ready to rejoin society" in *The Shawshank Redemption*.

A: rehabilitated

They included Gudr, Hlokk, and Svafa. Reflections from their armor were thought to cause the Northern Lights, and they would remain immortal for as long as they remained virgins. Some could protect or destroy warriors they favored or disliked, but their main purpose was to choose the einherjar, the most heroic among the slain, from battlefields and lead them to Valhalla. FTP, identify these Norse maidens.

A: Valkyries (or Walkyries)

This word comes from a Polynesian word for "to mark." With different spelling, capitalization, and punctuation, it names the duo of Lena Katina and Yulia Volkova. Skilled artists of this medium own an autoclave and several other disinfectant tools. Good artists also know how far to penetrate the skin, to not cause excessive bleeding or pain, but still leave enough ink to remain visible. FTP, name this procedure.

A: tattoo (accept word forms)

The ultimate source of this common English word might be St. Joachim's Valley in Bohemia, where silver was mined. Notable ones include the East Caribbean, and the ones used in Liberia, Hong Kong, New Zealand, and Canada. Its symbol may be the result of writing an S over a P (which stood for peso) and is written in the air at the end of *Atlas Shrugged*. FTP, name this thing, 30 of which we hope to save by submitting this packet before midnight.

A: dollar (accept "dollar sign")

The second formulation says that you should treat human beings (yourself and others) as ends, not merely as means. The first formulation says that you should act only in accordance with maxims that you could will to be universal. FTP, identify this concept, an unconditional obligation important in the philosophy of Kant, which can be distinguished from a hypothetical imperative.

A: categorical imperative

BONUSES:

Name these SI units, 5-10-15.

(5) The unit of electric current

A: ampere

(10) The unit of luminous intensity:

A: candela

(15) Named in part from the Greek for "solid," one of these encompasses about 7.9577 percent of the space surrounding a point:

A: Steradian (do not accept radian)

Identify these chemicals FTPE:

(10) For ten, this compound is central in biochemistry, being produced in some amounts by nearly all forms of life. It has formula  $\text{CH}_3\text{COOH}$ .

A: acetic acid (or ethanoic acid)

(10) For ten, with formula "C<sub>20</sub> H<sub>25</sub> N<sub>3</sub> O", its proponents included Dr. Richard Alpert.

A: LSD or D-Lysergic Acid Diethylamide (prompt on acid)

(10) For a final ten, all or nothing, name both substances which are mixed in a 1 to 3 ratio in aqua regia

A: nitric acid (or HNO<sub>3</sub>) and hydrochloric acid (or HCl) (must have both answers)

(10) Identify the following from astronomy:

This man cataloged astronomical objects in 1774's *Nebulae and Star Clusters*.

A: Charles Messier

(10) Messier Object 1, or M1, is this remnant of a supernova recorded on July 4, 1054 by a Chinese astronomer.

A: Crab Nebula

(10) M45, which was used as a vision test by ancient cultures and is also the namesake of the Subaru car company, is more commonly known as this:

A: the Pleiades (or the Seven Sisters)

Identify the following about what may be the largest organism on earth, FTPE

(10) A single example of *Armillaria ostoyae* in the Pacific northwest was found to cover almost 10 square kilometers of forest floor. It may be up to 8,500 years old. To what kingdom does *A. ostoyae* belong?

A: fungi (accept fungus)

(10) The huge part of the fungus is an interwoven "feeding network," made up of many thin, threadlike structures. What name is given to the network as a whole?

A: mycelium

(10) What name is given to the tiny threads that make up the mycelium?

A: hyphae (singular: hypha)

FTPE, name these 20th century figures from Latin-American history:

(10) Hailing from the Southern state of Morelos, this son of a peasant sharecropper led an uprising of thousands of Indians during the Mexican Revolution and was assassinated in 1919.

A: Emiliano Zapata

(10) After expropriating hundreds of thousands of acres from the United Fruit Company, the Guatemalan president was ousted by a CIA-sponsored coup in 1954

A: Colonel Jacobo Arbenz Guzmán

(10) In a rare example of authoritative longevity, this man of German descent ruled Paraguay from 1954 to 1989.

A: Alfredo Stroessner

FTPE, name the battles of the 18th century

(10) At this June 27th 1709 battle, Russian forces under Peter the Great handily defeated the Swedes.

A: Battle of Poltava

(10) This September 11, 1709 battle was the Duke of Marlborough's last great victory of the War of the Spanish Succession

A: Battle of Malplaquet

(10) At this September 13, 1759 battle, fought on the Plains of Abraham, both commanders, General Wolfe and the Marquis de Montcalm, were killed.

A: Battle of Quebec

Name these German chancellors from their terms of office:

(10) 1871-1890

A: **Otto Eduard Leopold Fürst von Bismarck**

(10) 1949-1963

A: Konrad **Adenauer**

(10) 1974-1982

A: Helmut **Schmidt**

FTPE, name these doctrines from US foreign policy:

(10) This doctrine, which outlawed European intervention in the Western Hemisphere, has shaped U.S. foreign policy in Latin-America for nearly two centuries

A: **Monroe** Doctrine

(10) This doctrine led Congress to provide 400 million dollars to aid Greek and Turkish anti-Communist forces against Soviet Expansion in the Mediterranean

A: **Truman** Doctrine

(10) This doctrine promised military and economic aid to anti-Communist governments who were fighting Soviet infiltration, primarily in the Middle East. It was soon applied to Lebanon.

A: **Eisenhower** Doctrine

Identify the authors of these “big” literary works, FTPE:

(10) The 1925 Pulitzer winner *So Big*, as well as *Giant*.

A: Edna **Ferber**

(10) “Big Blonde,” an autobiographical story about Hazel Morse

A: Dorothy **Parker**

(10) “The Diamond as Big as the Ritz,” collected in *Tales of the Jazz Age*

A: Francis Scott Key **Fitzgerald**

Name these works, which are all candidates for being the earliest novel, FTPE:

(10) Written in the second century CE, it chronicles the adventures of Lucius, who undergoes an unfortunate transformation

A: The **Golden Ass** or *De Asino Aureo* (prompt on *The Metamorphoses*, an alternate title – note that this is a different work than Ovid’s *Metamorphoses*), by Lucius Apuleius

(10) *Asakiumemishi* is a comic, manga version of this work written in the early 11th century:

A: The Tale of **Genji** (or **Genji Monogatari**), by Murasaki Shikibu

(10) Written by Luo Guanzhong, it is about Chinese history during the period from 220 CE to 280 CE.

A: Romance of the **Three Kingdoms** (or *S-n Gúo Y[n Yi]*)

Name these Latin-American writers from works, FTPE:

(10) *Canto General* (hen-air-AL) and *Twenty Love Poems and a Song of Despair*

A: Pablo **Neruda** (or **Neftalí Ricardo Reyes Basoalto**)

(10) *Sonnets of Death*. This poet was the first Latin American to win the Nobel Prize for Literature.

A: Gabriela **Mistral** (or Lucila **Godoy** Alcayaga)

(10) The story “A Very Old Man with Enormous Wings” and *Leafstorm and Other Stories*

A: Gabriel **Garcia Marquez** (reluctantly prompt on Marquez)

Identify these characters from Dickens’ *Great Expectations*:

(5) For five, the main character, who goes to live with his sister and her husband after his parents die:

A: **Pip** or **Philip Pirrip** (accept any of these names)

(5) For five, the reclusive woman who was deserted by her husband on her wedding day:

A: Miss **Havisham**

(10) For ten, the convict who turns out to be Pip’s benefactor:

A: **Abel Magwitch** or **Provis** (accept any of these names)

(10) For ten, Pip’s roommate in London, a distant relative of Miss Havisham:

A: **Herbert Pocket** (accept either name)



Here's your ghetto bonus! FTPE, Identify the following pieces of drug paraphernalia, primarily used for the inhalation of marijuana:

(10) The most inefficient item used in smoking marijuana, it is very similar to a cigarette.

A: joint (or splif or doobie or roach) (accept blunt)

(10) This device bubbles the smoke through water, cooling it down and removing the heavier precipitates. It is derived from the Arabic hookah.

A: bong

(10) This device, often used in conjunction with a bong, takes advantage of the fact that THC and the marijuana leaf have two different burning temperatures, yielding a pure smoke that doesn't burn the lungs.

A: vaporizer

Bonus. Me and Mr. Johnson, released in March, is his first album in over a year.

(5) For five points, name this three time inductee into the Rock and Roll Hall of Fame.

A: Eric Clapton

(5,5) Clapton was inducted into the Hall in 2000 as a solo artist. For five points each, name the two bands earlier inducted into the Hall of which Clapton was a member.

A: Cream, The Yardbirds

(5,5,5) For five points each, name, in any order, the three years into which Eric Clapton was inducted into the Rock and Roll Hall of Fame.

A: 1993 (Yardbirds), 1994 (Cream), 2000 (solo)

This year's NCAA Men's Basketball tournament featured many upsets. For five points each and a five point bonus for getting them all, name the schools which eliminated each of the following higher seeds:

(5) Gonzaga

A: University of Nevada at Reno (accept UNR but not UNLV)

(5) Kentucky

A: University of Alabama at Birmingham or UAB (Do not prompt on Alabama)

(5) Stanford

A: University of Alabama

(5) Mississippi State

A: Xavier

(5) Texas

A: Xavier

Identify the architects from buildings they designed, on a 10-5 basis:

(10) The Price Tower in Bartlesville, Oklahoma

(5) The Guggenheim Museum in New York City

A: Frank Lloyd Wright

(10) The California Aerospace Museum

(5) Guggenheim Bilbao

A: Frank Owen Gehry (or Frank Owen Goldberg)

(10) The High Museum of Art in Atlanta

(5) Getty Center

A: Richard Meier

Name these composers from operas and the dates of those operas' first performances, FTPE:

(10) Norma, 1831

A: Vincenzo Bellini

(10) Cosi Fan Tutte, 1790

Wolfgang Amadeus Mozart

(10) Einstein on the Beach, 1976

A: Philip Glass

Identify the following about Sikhism:

(5) For five, the four-letter title given to each of its leaders

A: guru

(5) For five, the first guru:

A: Guru Nanak Dev

(10) Members of the Sikh community must have or carry a certain set of things, the names of which all start with the same letter. FTP, all or nothing, give both the number of things and the letter they all start with.

A: The five Ks

(10) For a final ten, Sikh men often take the name Singh, which means, what?

A: lion

30-20-10, name the figure from mythology

(30) Also called Ololowishkya and Neopkwai'i, young girls are often terrified of him because he is said to carry unborn children on his back to distribute them.

(20) Because of his association with certain animals, some scholars believe that his flute may have been a blow-gun.

(10) This hump-backed, flute-playing trickster God of the American Southwest is known for his sexual proclivity, and some myths say that he had a detachable phallus.

A: Kokopelli (or Kokopeltiyo or Kokopilau)

Identify the following world leaders recently forced out of office, for 10 points from their successors in power, or for 5 points from their countries

(10) Goh Kun

(5) South Korea

A: Roh Moo-hyun

(10) Luis Rodriguez Zapatero

(5) Spain

A: Jose Maria Aznar

(10) Boniface Alexandre

(5) Haiti

Jean-Bertrand Aristide

FTPE, identify the highest peaks of these mountain ranges:

(10) The Cascades

A: Mount Rainier

(10) The Sentinel Range of the Ellesworth Mountains

A: Vinson Massif or (Mount Vinson)

(10) The Urals

A: Naroda (or Narodnaya Gora)

Identify the actors or actresses who play these characters on Will and Grace, for five points each and a five point bonus for all correct:

(5) Will

A: Eric McCormack

(5) Grace

A: Debra Messing

(5) Jack

A: Sean Hayes

(5) Karen

A: Megan Mullally

(5) Rosario

A: Shelley Morrison

Identify the authors of the following religious books. FTPE:

(10) *Spiritual Exercises*

A: St. Ignatius of Loyola

(10) *The Epistle to the Romans*, first published in 1919

A: Karl Barth

(10) *Mere Christianity*

A: C(live) S(taples) Lewis

Identify the last names of these famous brothers, FTPE:

(10) These three brothers, all of whom died in 1416, may be best known for the illuminated book of hours they created for the Duc de Berry.

A: the Limburg (or Limbourg) brothers

(10) These brothers, Joseph and Jacques, experimented with balloon flight in the 1780's

A: the Montgolfier brothers

(10) These brothers recorded the albums *Curb Your Tongue*, *Knave* and *Mom Always Liked You Best*

A: the Smothers brothers

Identify these people who may be related somehow FTPE.

(10) This African-American dancer and choreographer founded his own dance company and died in 1989.

A: Alvin Ailey

(10) This Samaritan supposedly tried to buy from the Apostles the power to convey the Holy Spirit.

A: Simon Magus

(10) This author wrote *Jennie Gerhardt*, as well as *The Titan*, *The Stoic*, and *The Genius*.

A: Theodore (Herman Albert) Dreiser

(Note: The answers were Alvin, Simon, and Theodore.)

Identify the following before-and-afters, FTPE:

(10) A Percy Shelly poem beginning "Hail to the blithe spirit!" which extols the virtues of Lisa Turtle from *Saved by the Bell*

A: (Ode) To a Skylark Voorhees

(10) A 1963 James Bond movie in which Elvis urges you to "Take me to your heart. For it's there that I belong."

A: From Russia with Love Me Tender

(10) A Jane Austen parody of Gothic novels which includes "Come Together" and "Maxwell's Silver Hammer".

A: Northanger Abbey Road