

1) The frontman of this band made the news not too long ago because he had a dinosaur named after him. The band consists of two Scottish brothers, who moved to London in the early 70's where they met future bassist John Illsey and drummer Patrick Withers. Their band released its debut album in 1977 for Vertigo Records with producer Muff Winwood. For ten points name this band with such hits as Telegraph Road, Money For Nothing, and Sultans of Swing, and who is of course fronted by Mark Knopfler.

Answer: **Dire Straits** [do not accept Mark Knopfler – the lead-in makes it clear to say the band name]

2) He ascended to the French throne when Charles X was forcefully removed from the position. During his reign, he strengthened his own powers by appointing friends as ministers, manipulating elections, and granting judiciary favors. These actions directly caused the Revolutions of 1848 that spread across Europe. FTP name this French monarch who was a member of the house of Orleans.

Answer: **Louis Phillippe** Orleans

3) It was an unpopular subject for decades; experimentalists thought it got in the way of publishable equilibrium data. But styles change: non-equilibrium and "dirty" materials with long-range elastic or magnetic forces are now a major focus of research on such subjects as avalanches and noise interference. It is defined by Webster's as a lagging or retardation of the effect, when the forces acting upon a body are changed, as if from velocity or internal friction; a temporary resistance to change from a condition previously induced, observed in magnetism, thermoelectricity, etc., on reversal of polarity. FTP, identify this physics term.

Answer: **Hysteresis.**

4) He asked a lot of questions in his day, which was 1757 to 1827. Among them were "Or art thou not a man like me?", "Did He smile his work to see?" and "Did He who made the lamb make thee?" He also had a lot of answers, including what it meant "to see a world in a grain of sand / And a Heaven in a flower." FTP, identify this author of "London", "Auguries of Innocence", and "The Tyger."

Answer: **William Blake**

5) It has a mean radius of 1,516 miles and an orbital velocity of 29.75 miles/sec. It completes a sidereal rotation in 88 days and a synodic rotation in 115.9 days. It has no natural satellites and an average surface temperature of 333 degrees Fahrenheit. FTP, name this planet which shares its name with the 80th element in the periodic table.

Answer: **Mercury**

6) With a libretto based on Schiller, this opera is about a man who leads the Swiss resistance against the Austrian overlords in the 14th century AD. The title character ferries a fugitive across the river and the other Swiss refuse to reveal his identity. Eventually, the Austrians realize the identity of the ferryman and arrest him. The leader of the Austrians, Gessler challenges the ferryman to an interesting feat. For ten points, name this Rossini opera in which the title character must shoot an apple off his son's head.

Answer: **William Tell** (accept Guillaume Tell)

7) Born in Baltimore in 1947, he got a successful insurance job after graduating from Loyola College. After many years in the insurance industry he took time off to start writing his first book. After his first book the Pentagon gave him special privileges into military weapons. His special privileges lead to him writing many non-fiction books on the specs of military weapons. And, he's currently the Vice Chairman of Community Projects & Public Affairs for the Baltimore Orioles. But he's most famous for the over 20 novels he's written. FTP, name this writer, the creator of Domingo "Ding" Chavez, John Terrence Kelly (aka John Clark) and Jack Ryan.

Answer: **Tom Clancy**

8) The most commonly used of this class of chemical compounds is dichlorodifluoromethane, or CCl₂F₂. All of these chemicals are haloalkanes, that is, halogen derivatives of saturated hydrocarbons. Every compound in this class has fluorine in it, and most contain chlorine and bromine as well. Many are ozone-depleting CFCs, and have been banned. For ten points, name this class of generally colorless, odorless, and inert group of chemicals used in fire extinguishers, aerosol propellants, and refrigeration systems.

Answer: **Freon**

9) Okay, so he wasn't particularly creative when he titled his books; works like *Journal as Ambassador to Great Britain* and *Notes as Vice-President* tell you what positions he held, but that's not why we remember him. And his *Journal of the McKinley Years* gives you some historical context; he'd been a member of the Republican executive committee in McKinley's campaign. But his *A Journal of Reparations* might be a bit more instructive, since he headed up the reparations committee from 1923-24 that attempted to stabilize post-war Germany. For 10 points, name this American statesman and banker.

Answer: Charles G. **Dawes**

10) Eskimos in Manitoba, barracuda off Aruba, cock an ear when Roger Bobo starts to solo on the tuba, but that doesn't really have anything to do with this question... or does it? He was born in Shillington PA, remarkably similar to Olinger or Brewer, and attended Harvard University later in life. Although unable to read bravely as a child because of a stuttering problem, his Harvard education turned him into the author of "Licks of Love", "The Centaur", and "The Witches of Eastwick". FTP, name the author.

Answer: John **Updike**

11) First described in England in 1817, it affects about 1 out of 500 people, and most often develops after age 50. This disease produces progressive deterioration of the nerve cells of the part of the brain that controls muscle movement. In addition to muscle rigidity and tremor, some people become severely depressed. It is a result of a lack of the neurotransmitter dopamine. FTP name this disease, one of the most common neurological disorders of the elderly and a primary concern in the life of the star of Spin City.

Answer: **Parkinson's Disease**

12) Many people associated with it rose to greater fame, including attorneys William Wirt and Daniel Webster and boat pilot Cornelius Vanderbilt. It arose from a dispute between two rival steamboat ferries between New York and New Jersey. FTP name this landmark 1824 Supreme Court decision, the basis for Federal regulation of interstate commerce and communication.

Answer: **Gibbons v. Ogden**

13) A jealous rival, Luscious Lavinius, launched serious accusations at him, ranging from accusing him of contaminated his plots by mixing material from different Greek sources to asserting that he wrote with the help of unnamed nobles. He did make some changes from the Greek models, most notably cutting out prologues so the audience would be in the dark as much as the characters were. In his short life he only produced six plays, among them *The Eunuch*, *The Mother-in-Law*, and *The Woman of Andros*. FTP name this former slave, master of Roman comic drama.

Answer: **Terence**

14) It is a huge pyramid structure surrounded by a vast moat 590 feet wide. Along the causeway leading to the entrance gate are balustrades shaped as giant serpents, representing fertility. It consists of a towering complex of terraces and small buildings that are arranged in a series of three diminishing stories and surmounted by five towers. The walls are covered with carved reliefs that illustrate Hindu mythology, principally scenes related to the god Vishnu, to whom this temple was dedicated. FTP identify this temple, the religious center of the Khmer Empire and located 192 miles west of Phnom Penh.

Answer: **Angkor Wat**

15) Born in 1887, he was the half-brother of artist Jacques Villon. He began to paint in 1908, but soon turned to kinetic and ready-made art, such as a fountain made out of a discarded urinal. His paintings, on the other hand, seem to have a lot to do with nudity, such as "Bride Stripped Bare By Her Bachelors, Even" and "Nude Descending A Staircase No. 2." FTP, name the artist.

Answer: Marcel **Duchamp**

16) This effect was noticed by many artillerymen in the First World War because it made well-aimed targets miss their marks for no apparent reason. The force is defined as the fictitious force exerted on a body when it moves in a rotating reference frame. FTP name this oft-debated effect, which is very important in weather, or the French scientist whose name it bears.

Answer: **Coriolis force or effect**

17) The need for such a force was realized by Colonel C. A. Beckwith in the 1960's following his brief stint with the British SAS. But it was not until November 1977 that this elite force, modeled after the SAS, came into being. Members of this unit are specialist at counter-terrorism and hostage rescue and are said to be the finest soldiers in the world at close quarters combat. For ten points name this force whose members are primarily recruited from the Green Berets, the 82nd Airborne and US Army Rangers and is also the name of one of the many bad Chuck Norris movies.

Answer: **Delta Force**

18) Talk about a nightmare! His office manager shows up at his house at 7:10 am to ask why he didn't catch the 5:00 am train in to work, and yells at him about the disgraceful exhibition he's putting on. Then his sister Grete (who aspired to be a violinist) takes all his furniture. Finally, his whole family shuns him. And that's after (and perhaps because) he woke up one morning and "found himself transformed in his bed into a gigantic insect." For 10 points, name this man, the protagonist of Kafka's *Metamorphosis*.

Answer: Gregor **Samsa**

19) A high-caste Brahmin, he ascribed to an English-style form of parliamentary reform from above. He balanced neutrality in most international matters, such as the Korean War, with firm territorial nationalism as seen in clashes over Goa, Kashmir, and the border with Tibet. FTP name this first prime minister of India.

Answer: Jawaharlal **Nehru**

20) He was a priest who lived in Babylon after the Babylonian conquest of Judah and Jerusalem around 600 B.C. He recorded many visions, the most famous of which was of wheels within wheels that contained all-seeing eyes. FTP name this Hebrew prophet whose visions and prophecies are contained in the Old Testament book that carries his name.

Answer: **Ezekiel**

21) It is the nickname for a highwayman who falls in love with and secretly marries Polly Peachum, but her father finds out and rats him out to the cops, who toss him into Newgate prison. Bertolt Brecht revived him for *The Threepenny Opera*, after John Gay had created him for *The Beggar's Opera* and used him again in *Polly*. For 10 points, give Captain Macheath's nickname, the title of the song Brecht and Kurt Weill wrote for his character, which became an unlikely hit for both Louis Armstrong and Bobby Darin.

Answer: **Mack the Knife**

22) PENCIL AND PAPER READY [ALLOW 10 SECONDS FOR ANSWER]:

The volume of a cone is $(\pi * h * r^2) / 3$. The volume of a pyramid is $(h * s^2) / 3$ if the base is a square of side s . If $s = 2r$, FTP, what is the ratio of the volume of a cone to the volume of a pyramid?

Answer: $\pi / 4$.

1) 30-20-10, name the man.

30) The October 2001 Texas Monthly cover story asks if this man is the devil. The answer is "no"; he gave \$1 million to the Library of Congress to help rebuild Thomas Jefferson's personal library, so he can't be the devil.

20) He came by his money the old-fashioned way – oil. He runs an oil and gas company called Arkoma, and his fortune was estimated at over \$100 million in 1989, when he first hit the national consciousness.

10) That emergence into the national consciousness coincided with the hiring of his former college roommate Jimmy Johnson to replace Tom Landry as head coach of the Dallas Cowboys.

Answer: Jerry **Jones**

2) Answer the following about itty-bitty particles for ten points each.

a) Name this elementary particle that carries the strong nuclear force and holds quarks together. It has no mass and no electric charge.

Answer: **gluon**

b) Gluons make possible the joining of quarks into these particles, all of which are unstable and quickly decay into other hadrons except protons and neutrons.

Answer: **hadrons**

c) Hadrons combine mesons, made of two quarks, and this other fundamental class of matter, made of three quarks. Examples of this particle include atomic nuclei and hyperons.

Answer: **baryon**

3) But, one of your editors seems to have been over-ruled. Curse his metal body... **TRAVELS WITH CHARLIE:** Remember the Sept. 20 Towns Sentinel in Hiawassee, GA? It included a notice that a local production of a play had been cancelled. From that flimsy pretext, FTSNOP:

a) (5 pts.) Name the 1949 play about a man who's spent his whole life "way out there in the blue, riding a smile and a shoeshine," but who's lost his job, the respect of his sons and finally, his hope.

Answer: **Death of a Salesman**

b) (5 pts.) Who wrote *Death of a Salesman*?

Answer: **Arthur Miller**

c) (10 pts.) Name the title character, who has been portrayed in award-winning Broadway versions by Lee J. Cobb, Dustin Hoffman, George C. Scott, and Brian Dennehy.

Answer: **Willy Loman** (accept either name)

d) (5 pts. each) Give the annoyingly cute nicknames by which we know Loman's two sons.

Answer: **Biff and Happy**

4) Time for some Old Testament stuff. FTSNOP:

a) For ten points, name either of the two tribes of Israel that were not named after one of twelve sons of Jacob.

Answer: **Ephraim** or **Manasseh**

b) For 5 points for 1 or 10 points for all 3, name the men that Nebuchadnezzar sentenced to death in the fiery furnace in the book of Daniel.

Answer: **Shadrach, Meshach, and Abednego**

c) For 5 points for 1 or ten points for all 3, name the three books of the Old Testament that begin with the letter N.

Answer: **Numbers, Nehemiah, Nahum**

5) What do you mean, it's none of your Balkan business? Answer the following FTPE

a) Turkey gave up a lot in this 1878 conference – the British took control of Cyprus, Austria-Hungary got Bosnia and Herzegovina, and Serbia, Montenegro, and Romania became independent.

Answer: **Congress of Berlin**

b) The Congress of Berlin granted this country self-government within the Turkish empire. In the First Balkan War it joined with Greece, Serbia, and Montenegro in defeating Turkey, but it wouldn't agree with the others on what to do with the territory won. So in the Second Balkan War its former allies teamed with Turkey and ganged up on this nation.

Answer: **Bulgaria**

c) In 1914 Archduke Ferdinand was shot by this Serbian nationalist in Sarajevo after several other would-be assassins along the parade route had failed.

Answer: **Gavrilo Princip**

6) Answer these questions about minutiae from *Twilight Zone: the Movie* for 10 points each.

a) In the 1st segment, a group of American GI's in Vietnam regret having killed what man, their lieutenant? HINT: John Landis directed that segment.

Answer: **Niedermayer**

b) The last segment was a remake of "Nightmare at 20,000 Feet", which was written by what author of *What Dreams May Come* and *I Am Legend*?

Answer: **Richard Matheson**

c) The 2nd assistant director of the 1st segment was this pseudonymous director of *Death of a Gunfighter*, *Morgan Stewart's Coming Home*, *I Love NY* and, according to the title, *Burn Hollywood Burn*.

Answer: **Alan Smithee**

7) Identify the element from clues on a 30-20-10-5 basis.

30: It is among the most common element in the earth's crust. In modern times, it is probably used most often in doped form; that is, a form with impurities added.

20: The element is doped with phosphorus or arsenic to make the N or Negative type; it can also be doped with gallium or boron to make the P or Positive type.

10: The doping materials turn the element from a generally nonconductive material to a conductive material; therefore, this element is called a "semiconductor". In fact, it is the most popular semiconductor in use.

5: As a former quizbowl who shall remain nameless once observed to teammates (two of whom are co-editing this tournament) while watching the movie *Topless Brain Surgeons*, its atomic number is 14.

Answer: **Silicon**

8) Given a landmark in the European exploration of the Americas, name the hero or perpetrator FTSP:

a) (5 pts.) First European to reach the Pacific Ocean, 1513

Answer: **Vasco Nunez de Balboa**

b) (5 pts.) First European to reach the Mississippi River, 1541

Answer: **Hernando de Soto**

c) (10 pts.) First European to discover Brazil, 1500

Answer: **Pedro Cabral**

d) (10 pts.) First European (well, since the Vikings) to discover Newfoundland, 1497

Answer: **John Cabot**

9) The 1996 congressional election for the district which includes Chattanooga pit Democrat Chuck Jolly against Republican Zachary Wamp. Sounds like Dickens wrote the script. Name the real Dickens novel from characters FTPE:

a) Kit Nubbles, Quilp, and Little Nell

Answer: **The Old Curiosity Shop**

b) Josiah Bounderby and Thomas Gradgrind

Answer: **Hard Times**

c) Lucie Manette and Madame Therese Defarge

Answer: **A Tale of Two Cities**

10) Anyone who liked dinosaurs when they were little probably knows that there were two classifications--bird-hipped and lizard-hipped. But how much do you know about the Saurischian, or lizard-hipped, dinosaurs?

a) Nearly all of these carnivores were bipedal. Some were huge, reaching heights of 39 ft and weights of 5 metric tons. Others, much smaller, may have eaten lizards or eggs. Some hunted in packs, slashing with powerful claws. For ten points, name this kind of saurischian.

Answer: **theropod**

b) Usually bipedal herbivores, these dinosaurs had spoon-shaped teeth instead of fangs. The largest, including the well-known Plateosaurus, reached lengths of 30 feet. They had small heads, broad feet, and large digging claws. For ten points, name this kind of dinosaur.

Answer: **prosauropod**

c) Including giants such as Apatosaurus and Diplodocus, some reached lengths of more than 80 feet and weights of more than 90 metric tons. Stones in their gizzards aided digestion. Most used their tails as whips or clubs for defense. For ten points, name them.

Answer: **sauropod**

11) FTPE identify these landmark educational institutions for women in American history:

a) In 1832 this Ohio college became the first in the U.S. to establish coeducation.

Answer: **Oberlin**

b) This pioneering college for African-American women opened in 1881, the same year as the Tuskegee Institute.

Answer: **Spelman**

c) The first sorority, Kappa Alpha Theta, was founded at this Indiana university in 1870.

Answer: **DePauw**

12) Name these Graham Greene works from plot summaries FTPE:

a) The married Sarah Miles' religious conversion begins when she believes her lover is dead and promises God she will give him up if his life is spared. The narrator, Maurice Bendix, is the bummed-out lover in question.

Answer: *The End of the Affair*

b) Out-of-work pulp novelist Holly Martins comes to Vienna at the invitation of his old friend Harry Lime, who turns out to be embroiled in the black market and other intrigue.

Answer: *The Third Man*

c) Set in Mexico during a time of anticlerical violence by revolutionaries, it depicts the martyrdom of an alcoholic priest who has broken most of his vows but gains redemption by sticking with his duties until his execution.

Answer: *The Power and the Glory*

13) Name the U.S. state from unusual county names on a 10-5 basis. Trust me, it'll make sense.

a) 10 points: Elbert, Gunnison

5 points: Pueblo, Boulder

Answer: **Colorado**

b) 10 points: Napa, Humboldt, Calaveras

5 points: San Bernardino, Ventura

Answer: **California**

c) 10 points: Fond du Lac, Manitowoc, Door

5 points: Eau Claire, Racine, Kenosha

Answer: **Wisconsin**

14) The suffix -ology comes from the Greek word "logos", meaning "the study of" something. Identify these "ologies" from clues for ten points each.

1: The study of fish.

Answer: **Ichthyology**

2: The study of the physical universe considered as a totality of phenomena in time and space.

Answer: **Cosmology**

3: The study of the structure of organisms.

Answer: **Morphology**

15) When Cal Ripken retired on October 6, 2001, he had played in 3001 games, 7th all-time. For 5 points each, name the 6 players, 4 in the Hall of Fame and another who will go once he's eligible, who have played in more games.

Answers: Pete **Rose**, Carl **Yastrzemski**, Hank **Aaron**, Ty **Cobb**, Stan **Musial**, Eddie **Murray**

16) December 7, 1941, certainly lives in infamy, but it's not the only memorable calendar date from World War II. For 10 pts. each, give the exact date including the year for each of the following. If you get within a week you'll get 5 pts. each,

a) D-Day

Answer: **June 6, 1944** (5 points for May 30 – June 13)

b) VE-Day

Answer: **May 8, 1945** (5 points for May 1 – May 15)

c) VJ-Day

Answer: **August 14, 1945** (5 points for Aug. 7 – Aug. 21)

17) Given the following definitions from the field of computer science, name the term for fifteen points each.

a) A notation used in representation of negative binary numbers that sets the value of the most negative number equal to zero, the most positive number to a binary number with each bit equal to one, and zero to some intermediate value. Adding the intermediate value to the number gives the true value.

Answer: **biased notation**

b) Representation of negative binary number by setting the most significant bit to 1. Conversion to decimal is accomplished by treating the most significant bit as negative two to the highest power present and adding the remaining bits in the normal manner, giving a negative number.

Answer: **two's complement**

18) Name the artist from clues for ten points each.

a) Born in 1930, he began painting in 1954. He applied paint thickly, so the paintings became objects of their own and not just representations. Name this man, famous for painting everyday objects such as targets and the American flag.

Answer: **Jasper Johns**

b) Born in 1886, this expressionist suffered several injuries during WWI, and during his convalescence, commissioned a life-sized doll that he treated as a living companion. Name this man who painted such works as *Frau in Blau*, *The Red Egg*, and *Self-Portrait of a "Degenerate Artist"*.

Answer: **Oskar Kokoschka**

c) Born in Valenciennes in October of 1684, he would live only thirty-seven years. In his short life, he produced many landscape and genre paintings. Name this man, known for *Embarkation for Cythera* and *The Delights of Life*.

Answer: **Jean-Antoine Watteau**

19) Identify the work given the title character or characters FTPE.

A) Valentine and Proteus

Answer: *The Two Gentlemen of Verona*

B) James Wait

Answer: *The Nigger of the Narcissus*

C) Prince Myshkin

Answer: *The Idiot*

20) 30-20-10: the name is the same.

30) An author of twelve books and a columnist for PC/Computing, he marketed one of the first commercially-available telecommunications products in the late 1970s and currently hosts a nationally-syndicated radio show.

20) A 1920s alternative to QWERTY, its home row reads "A,O,E,U,I,D,H,T,N,S,-"

10) Born in Bohemia in 1841, he composed such works as the "Slavonic Dances", "The Bells of Zlonice", and the "New World Symphony".

Answer: **Dvorak**

21) For 10 points each, identify these Soviet biologists.

a) The great genius of Soviet agronomy, this disciple of Lamarck claimed that he could alter the genetic properties of plants by subjecting the seeds to environmental changes. Uh, no.

Answer: Trofim **Lysenko**

b) Along with Bernard Lown, he founded International Physicians for the Prevention of Nuclear War, and the publicizing of the potential dangers of nuclear war earned him the 1985 Nobel Peace Prize.

Answer: Yevgeny **Chazov**

c) A professor of agricultural economics in Moscow, he joined the foreign service in 1939, rising to become foreign minister from 1957-1985 and a champion of detente.

Answer: Andrei **Gromyko**

22) Answer the following questions about semiconductors for the stated number of points.

5-They are caused by vacancies in the in the electron structure of crystals, and unlike electrons, they actually flow in the same direction as the current.

Answer: **holes**

10-The Fermi energy in this type of semiconductor, of which gallium is an example, lies below the middle of the forbidden band, and the flow of current is conveniently described with reference to the holes moving toward the negative electrode.

Answer: **p-type**

15-In a p-type semiconductor such as silicon doped with gallium, these energy levels appear just above the valence band.

Answer: **acceptor** levels