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Science

1. An isomer of glucose, this monosaccharide tastes twice as sweet as glucose. Since the ingestion of this sweetener does not cause a significant rise in blood glucose levels, it can be consumed by diabetics. FTP, identify this sugar, chemical formula  $C_6H_{12}O_6$ , found in honey and fruit.

FRUCTOSE or LEVULOSE (prompt on FRUIT SUGAR)

History

2. In the 5th century, they expanded north to the Loire, made Toulouse their capital, and took Vandal lands in Spain. This followed their sacking of Rome in 410, and they achieved their peak of power under King Euric. FTP, identify this group conquered by the Moors in 711 whose other kings included Roderick and Alaric.

VISIGOTHS or WEST GOTHS (Prompt on GOTHS)

Fine Arts

3. Derived from the French for "wild beast," it was basic to the evolution of 20th century art. It is characterized by distortion of forms and exuberant color. FTP, identify this short-lived art style adopted by a group of French painters including Roualt, Derain, Braque, and Matisse.

FAUVISM

Literature

4. The first three words of the title of this 1729 essay are much more familiar to most than the remainder of it which continues, "for Preventing the Children of the Poor People in Ireland from being a Burden to Their Parents or Country, and for Making Them Beneficial to Their Public." FTP, identify this Jonathan Swift work whose title is often used ironically to introduce a major innovative suggestion.

A MODEST PROPOSAL

Entertainment

5. "Fresh Horses" aside, this paramour of French author Valery Lameignere has no "Malice" about being back on her native soil after an elongated holiday in France. FTP, identify this star of ABC's new working class version of "Friends" who was famous in the 80s for her carrot topped performances in the brat pack hits "Pretty in Pink" and "The Breakfast Club."

Molly RINGWALD

Religion

6. Though nothing is truly known about this man, scholars believe him to be the tax collector in Luke's gospel, Zaccheus. It is also believed that he took his ministry among the cannibals. FTP, name this replacement to Judas Iscariot.

MATTHIAS

Science

7. Janus, Rhea, Atlas, Prometheus, Pandora, Pan, Calypso, Helene, Epimetheus, Telesto, Enceladus, Tethys, Dione, Iapetus, Mimas, Phoebe, Hyperion, and of course Titan, are, FTP, the principal satellites of what heavenly body.

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SATURN

Literature

8. "A Book of Verses underneath the Bough,  
A Jug of Wine, a Loaf of Bread - and Thou  
Beside me singing in the Wilderness -  
Oh, Wilderness were Paradise enow!"  
This is, FTP, the best-known stanza in the celebrated translation by Edward  
Fitzgerald of what 12th century poem?

The RUBAIYAT of Omar Khayyam

Current Events

9. "This is the pinnacle of my life, so far," said the seller, Patricia Gibbs, who is  
looking forward to early retirement. She had attained possession of a 1910 baseball card  
in February as part of a national contest held by Wal-Mart which fetched the hefty sum  
of \$640,500 at a New York auction in September. FTP, identify the player featured on  
this rare baseball card, considered the Holy Grail of baseball collectibles.

Honus WAGNER

History

10. "Hear me chiefs, I am tired: My heart is sick and sad. From where the sun now  
stands, I will fight no more." These words were spoken following a heroic 1000 mile  
retreat to Canada by, FTP, what Chief of the Nez Perce Indians?

Chief JOSEPH

Bus/Tech

11. When Jill Barad replaces John Amerman as CEO of this company on January 1,  
1997, it will become the largest U.S. corporation with a female CEO. FTP, name this  
corporation, America's 342nd largest, known for its toys, especially the doll that  
provides 40% of its revenues.

MATTEL

**HALFTIME**

Social Science

12. He criticized both psychoanalysis and behaviorism for their limited conceptions  
of human nature. "The study of crippled, stunted, immature, and unhealthy specimens,"  
he wrote, "can only lead to a crippled psychology." Identify this psychologist who, FTP,  
distinguished between motivation which entails "deficiency needs" and metamotivation  
which includes "being needs" which arise out of the organism's drive to self-actualize.

Abraham MASLOW

Sports

13. Mark Brandenburg, Ed Vosberg, Matt Whiteside, Darren Oliver, John Burkett,  
Mike Henneman, and Ken Hill all spent at least part of 1996 pitching for, FTP, what  
major league baseball team that made its first-ever postseason appearance this season.

Texas RANGERS

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**Fine Arts**

14. Born in Naples, he was the 18th of 20 children, and received little formal education. In 1902 he starred with Nellie Melba in Puccini's "La Boheme" and was one of the first opera singers to profit from phonograph recordings. The beauty, range, and power of the voice of, FTP, what Italian operatic tenor made him one of the greatest of all singers?

ENRICO CARUSO

**Science**

15. "Sire, I have no need for that hypothesis" was his well-known reply to Napoleon Bonaparte's observation that he had "written this huge book on the system of the world without once mentioning the author of the universe." FTP, name this French mathematician and scientist who authored the 5-volume work titled "Celestial Mechanics."

MARQUIS DE PIERRE SIMON LAPLACE

**Entertainment**

16. An ordinary guy ascends to the top of the business world, his son is kidnapped, and instead of paying off the thugs, he offers the money as a reward on the head of the felon holding his son. FTP, name this soon-to-be-released picture, also starring Rene Russo, whose screen debut was pushed back due to star Mel Gibson's emergency appendectomy.

RANSOM

**Literature**

17. She is a character from a 1775 English play by Richard Brimsley Sheridan. The title of the play is "The Rivals." FTP, what is the anchor to this question, I mean, the answer?

MRS. MALAPROP

**Geography**

18. Ceded to Russia in 1721, it declared independence in 1918. It was proclaimed a Soviet Socialist Republic in 1940 and was occupied by Germany in World War II. In 1991 it again declared full independence and outlawed the Communist Party. FTP, name this country located on the gulfs of Riga and Finland that has its capital at Tallinn.

ESTONIA

**Rel/Myth**

19. She was murdered, along with Agamemnon, on her arrival in Argos after the Trojan War. Athena helped cause shipwrecks and enormous loss of life to the Greeks on their return home from the Temple of Athena. The daughter of Hecuba and Priam, she spurned the amorous advances of Apollo. Identify this Trojan princess who, FTP, was given the gift of prophecy although it was rendered useless as no one believed her.

CASSANDRA

**Sports**

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20. It is the most common team nickname in use by professional soccer teams worldwide. FTP, what is this nickname, used in Major League Soccer by the team based in Washington D.C.?

UNITED

Science

21. This epoch of the Paleozoic era extended from 320 million to 286 million years ago, and was characterized by extensive swampy forests with conifers and ferns which now form most of the present-day coal deposits. FTP, identify this epoch of the Carboniferous period whose namesake U.S. state has a major university at State College.

PENNSYLVANIAN epoch

Social Services

22. Reactions to its views on monarchy and governmental institutions forced its author to leave Paris and flee to Switzerland, and then England, at the invitation of David Hume. This novel had an enormous influence on education in the age of romanticism, and beyond, and describes how a fictional boy should be brought up. FTP, name the fictional boy and you have named the Jean Jaques Rousseau work.

EMILE

Extras

7. His poems, in the classical form, introduced symbolism and have been a major influence on Western poetry. His main theme is the inseparable nature of beauty and corruption. FTP, identify this 19th century French poet whose major work, "The Flowers of Evil," was originally condemned as obscene.

Charles Pierre BAUDELAIRE

12. Born at Tekrit, Mesopotamia, he used his position as vizier to overthrow the Fatimid dynasty and establish himself as the first Ayyubid sultan. He later won the battle of Hattin, which led to his capture of Jerusalem. FTP, name this Sultan of Egypt and Syria who led the Muslims to victory in the 3rd crusade, against King Richard I.

SALADIN

18. Right hand out, left hand out, right palm up, left palm up, right hand on left arm, left hand on right arm, right hand on head, left hand on head, right hand on left hip, left hand on right hip, right hand on backside, left hand on back side, sway hips three times while twisting to the left, and start again. FTP, identify this international hip-hop phenomenon popularized by a Bayside Boys' remix of a Los Del Rio track.

MACARENA

20. Balshazzar, Alcina, Rinaldo, Athalia, Almira, Esther, Solomon, Jephtha, The Triumph of Time and Truth, ALEXander's Feast, Judas Maccabeus, Israel in Egypt, Arrival of the Queen of Sheba, Tamerlano, Orlando, Xerxes,

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and FTP, Music for the Royal Fireworks, Messiah, and Water Music are all works attributed to what German composer.

George Frederick HANDEL

22. Brought to Europe by Dutch traders, this Javanese technique, in use for about a thousand years, was adopted in the 19th century by Western craftsmen, and is still widely used. Identify this technique of hand-applied color design for fabric which, FTP, incorporates the use of wax on areas to be left undyed.

BATIK

31. It is thought that they migrated to their present location from southern Asia approximately 40,000 years ago. By 1788, there were 600 territorially defined groups, subsisting on hunting and gathering, with a population of 300,000 to 1 million. Their most important languages include Aranda (Arunta) and Murngin. FTP, identify these people whose name translates from the Latin as "from the beginning" and who call the smallest continent their home.

AUSTRALIAN ABORIGINES (Prompt on ABORIGINES)

32. 1964 was the final year in which the United States produced, for circulation, their high-silver content coins including dimes, quarters, half-dollars, and dollars. Today, it is nearly impossible to find these coins outside of coin shops, whereas pennies and nickels that predate that time are much easier to come by. FTP, which economic principle, which states that bad money will drive good money out of circulation, can be used to explain this phenomenon.

GRESHAM'S LAW

This island country lies in the Pacific Ocean. Two main islands, along with many smaller ones, make up this country. The two large islands are separated by Cook's Strait. FTP, what is this country, the home of the tasmanian devil?

ANSWER \_New Zealand\_

Two answers required. In economic analysis, these two quantities are equal at the point where a person will not want any more of the good in question. FTP, name these two quantities, one dealing with the benefit one gets from a product, the other with the price one pays for the product.

ANSWER \_Marginal Utility\_ and \_Marginal Cost\_

This graph has been used by many government officials to justify tax cuts. Those using it this way are assuming that our society is at a particular spot on the graph, which is something that is not known. It is a plot of revenue versus tax rate. FTP, name this graph with a humorous name.

ANSWER \_Laffer\_ Curve

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Haiti is the center of trouble again with the resurgence of violence by armed gangs. To protect, this man from his own guard force, Washington has sent 40 diplomatic security agents. FTP, who is this man with so much protection?

Answer: Rene \_Preval\_

His one-man Hamlet production greatly increased his fame in England. His portrayal of the Engineer in the Broadway musical Miss Saigon was openly protested by the Asian Actor's Guild. For ten points, name this man, also the "Infiniti" automobile spokesman.

Answer: Jonathan \_Pryce\_

This singer/actor was well known on the Broadway stage before making more mainstream appearances in Chicago Hope and The Princess Bride. For ten points, name this man who recently released the album "Oscar and Steve" and is famous for the line: "Hello. My name is Inigo Montoya. You killed my father. Prepare to die."

Answer: Mandy \_Patinkin\_

The name's the same. It is the last name of the protagonist in Joyce's A Portrait of the Artist as a Young Man and the mythological father of Icarus who constructed the wax wings and the labyrinth of the Minotaur. For ten points, give this name.

Answer: \_Daedalus\_

Literature

1.(25) James Fenimore Cooper wrote about 50 novels, mostly about the frontier, wilderness life, and the sea. He is perhaps best remembered for his "Leatherstocking Tales" which describe the adventures of the frontier hero Natty Bumppo before and after the American Revolution. For 5 points apiece, list as many of the five works which make up the "Leatherstocking Tales" as you can.

THE PIONEERS, THE LAST OF THE MOHICANS, THE PRAIRIE, THE PATHFINDER,  
THE DEERSLAYER

History

2.(30) Identify the year, 30-20-10.

30: Arthur R. Jensen publishes an article in the Harvard Educational Review that genetic factors can cause blacks to score poorly on standardized tests, as opposed to environmental factors. This conclusion is widely disputed, even today.

20: Derek H.R. Barton of England and Odd Hassel of Norway win the Nobel Prize for Chemistry for their determination of the three-dimensional structure of organic compounds.

10: On July 20, Neil Armstrong becomes the first human to stand on any heavenly body other than the earth, when the Apollo 11 crew of Armstrong, Buzz Aldrin, and Scott Collins, becomes the first to land on the moon.

1969

Fine Arts

3.(20) Classical mythology has served as the inspiration for several classical music works. For five points each, identify the composer given the work:

- |                                |         |                         |
|--------------------------------|---------|-------------------------|
| A. Medea                       | Answer: | Samuel BARBER           |
| B. Atalanta                    | Answer: | George Frederick HANDEL |
| C. Orpheus in the Underworld   | Answer: | Jacques OFFENBACH       |
| D. The Creatures of Prometheus | Answer: | Ludwig van BEETHOVEN    |

Geography

4.(25) Answer the following questions about similarly-named mountain ranges for the given number of points.

A. The Sierra Nevada Range of the western United States extends NW to SE for 450 miles between the Cascade and Coastal Ranges and contains Mount Whitney. For fifteen points, what other country has a Sierra Nevada Range which rises to over 11,000 feet at a peak called Mulhacen?

SPAIN

B. The European Alps is the principle mountain range of Europe, covering 100,000 square miles in Switzerland, France, Germany, Austria, Liechtenstein, Italy, and Yugoslavia. For ten points, what other country's Alps include Mt. Kosciusko.

AUSTRALIA

Science

5.(30) Thirty points are yours if you can recall your basic Physics. A lever has three essential parts: A load, an effort, and a fulcrum. They are classified according to

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the order of those parts in relation to each other. For fifteen points each, describe the relation of those parts in:

A: Type 1 or First-order lever      Answer: EFFORT - FULCRUM -  
LOAD or LOAD - FULCRUM - EFFORT

B: Type 2 or Second-order Lever      Answer: FULCRUM - LOAD -  
EFFORT or EFFORT - LOAD - FULCRUM

### Entertainment

6.(30) A few months ago, William Buffum gave his film collection to the American Film Institute. He knew that his films were old, but he did not know that he had the oldest complete American feature film intact anywhere. For 15 points apiece, answer these questions.

A. What was the film that Mr. Buffum donated?      Answer: "Richard III"

B. What film, produced 3 years later, was previously thought of as the oldest feature film?      Answer: "Birth of a Nation"

### Social Science

7.(25) This psychological test, developed by Henry Murray, and C.D. Morgan, consists of a series of 30 ambiguous pictures. The subject is asked to make up stories for the pictures, telling what led up to the event, what is happening, what the characters in the picture are thinking and feeling, and how the event will turn out. For 25 points, identify this projective test.

THEMATIC APPERCEPTION TEST or T.A.T.

### Literature

8.(30) Identify the author 30-20-10:

30: "The Scapegoat" and "My Cousin Rachel"

20: "The Flight of the Falcon" and "Jamaica Inn" which was turned into a film directed by Alfred Hitchcock.

10: Two more of this author's works were made into Hitchcock films: "The Birds" and "Rebecca."

Dame DAPHNE DU MAURIER

### Religion

9.(25) Although there is disagreement among Christians as to the authenticity of particular books of the Old Testament, they are united in their acceptance of 27 books of the New Testament. Of these, there is a first and second book of the Corinthians. For five points each, which three other people or groups have exactly two New Testament books?

THESSALONIANS, TIMOTHY, PETER

For ten more points, for whom are there three New Testament books?

JOHN

### History

10.(30) For ten points each, for each debate, name the president who was in office:

A. Kitchen Debate      Answer: Dwight David EISENHOWER

B. Webster-Haines Debate      Answer: Andrew JACKSON



C. Freeport Debate

Answer: James BUCHANAN

Current Events

11.(20) You say you've always wanted to fly with Chuck Yeager, or play a round of golf with British Open champ Tom Lehman? Well, a few lucky people got the chance to do just that, by bidding in a recent history making auction that utilized airline miles as currency. For ten points apiece, name the airline and the famous Australian auction house who paired up to host this event.

NORTHWEST Airlines and SOTHEBY'S auction house

Science

12.(30) You probably know that penicillin was discovered by Sir Alexander Fleming. But how much do you know about these other serendipitous antibiotic discoveries? You'll earn fifteen points for

identifying these antibiotics, discovered in the most unlikely of places.

A. In 1948, Giuseppe Brotzu isolated this antibiotic substance from a sewage outfall near Cagliari, Italy. However, the world would never have heard of this breakthrough, except through the persistence of Brotzu, as he published a paper detailing his finds in the journal "Works of the Institute of Hygiene at Cagliari" after finding no pharmaceutical companies willing to listen.

CEPHALOSPORIN acremonium

B. This drug was discovered in 1970 by Jean Borel, from soil samples from Wisconsin and Norway. It was almost a wasted effort, because the insolubility of this agent in water made it difficult to introduce into humans. Eventually, Borel identified a unique means of introduction and, today, this drug is widely used to prevent post-transplant organ rejection.

CYCLOSPORINE

Fine Arts

13.(30) Identify the artist, 30-20-10:

30: This artist traveled extensively to make sketches for works such as *Sun Rising Through Vapor*.

20: His paintings became increasingly abstract as demonstrated in his work *Rain, Steam, and Speed*.

10: Of his 19,000 watercolors, drawings, and oils, his most famous works are from his Venetian Period, and include *The Grand Canal* and *Approach to Venice*.

Joseph Mallord William TURNER

Sports

14.(20) Identify the holders of the following baseball records for five points apiece:

- |    |                                 |         |                  |
|----|---------------------------------|---------|------------------|
| A. | Most Hits, Season               | Answer: | George SISLER    |
| B. | Highest Batting Average, Season | Answer: | Rogers HORNSBY   |
| C. | Most Strikeouts, Season         | Answer: | Nolan RYAN       |
| D. | Most Stolen Bases, Season       | Answer: | Rickey HENDERSON |

Geography

15.(20) With all the trouble Iraq has been in recently, we should really know the area. For 20 points, all or nothing, name the six countries that share a common border with Iraq.

IRAN, TURKEY, SYRIA, JORDAN, SAUDI ARABIA, KUWAIT

**Entertainment**

16(30) Identify the actor, 30-20-10:

30: His father, Charles Ulman, Hezekiah, was the founder of the U.S. Law Association, the pre-cursor of the American Law Association.

20: In 1917, a mountain peak in Yosemite National Park was named for him.

10: He is best known for being the first president of the Academy of Arts & Sciences and as the husband of actress Mary Pickford.

Douglas FAIRBANKS, SR

**History**

17.(20) He argued that heroes shape history through the vision of their intellect, the beauty of their art, the prowess of their leadership, and most important, their divine inspiration. For 20 points, identify the 20th century Scottish historian who declared, "The history of the world is but the biography of great men."

Thomas CARLYLE

**Literature**

18.(25) Identify this Shakespearean play from quotes, 25-15-5:

25: "It is a wise father that knows his own child."

15: "The quality of mercy is not strained."

5: "All that glisters is not gold"

TheMERCHANT OF VENICE

**Current Events**

19.(25) This man had "the hardest job in Washington," according to Laurie Kellman of the Washington Times, most recently trying to put a positive spin on his candidate's fall from a stage while on the campaign trail. For twenty-five points, name Bob Dole's press secretary, who quipped "This should put to rest the age question once and for all. If Bob Dole can take a tumble like that and hop right back up on his feet, he's strong enough to be president and go a couple of rounds with Mike Tyson, too."

Nelson WARFIELD

**Entertainment**

20.(25) This past year, a monumental event occurred that many comic book fans have pleaded for. The two giants, Marvel and D.C., joined forces to bring us an epic battle featuring some of their greatest characters. For 5 points apiece, I'll give you a character, you tell me who they fought.

A. Spiderman Answer: SUPERBOY

B. Superman Answer: The HULK

C. Batman Answer: CAPTAIN AMERICA

D. Storm Answer: WONDER WOMAN

E. For another 5 points, tell me which company ultimately won.  
Answer: MARVEL

13.(20) This Eugene Delacroix work depicts a black canvas w/ the skull of a horse emerging from the darkness. For twenty points, what is this 19th century work called?

THE NIGHTMARE

14.(30) Identify the composer, 30-20-10:

30: Leonard Bernstein was considered the most skilled at interpreting this Austrian composer's works.

20: Following the Viennese symphonic traditions, this 20th century composer wrote 9 symphonies and numerous song cycles with orchestral accompaniment.

10: His best know works include \_Das Lied von der Erde\_ (\_Songs of the Earth\_) and \_Songs of the Wayfarer.\_

Gustav MAHLER

15.(20) They say that behind every great man there is a woman. You'll earn twenty points if you can identify this woman after one clue, ten points if you need a second clue.

20: Her marriage to Henry II expanded his holdings to include much of modern-day France.

10: She supported her sons in their unsuccessful revolt against their father, but lived to see both Richard and John on the English throne.

ELEANOR OF AQUITANE

16.(30) While generals are remembered for their leadership in battle, their naval counterparts receive much less recognition. But lets see how well you know your admirals. You will receive ten points for identifying each of the following admirals from a description.

1: This Tennessee-born admiral is best known for boldly sailing up the Mississippi River and enabling the Union to capture New Orleans in 1862.

David FARRAGUT

2: As admiral of the Turkish fleet under Sulayman I, he twice defeated Admiral Doria and ravaged the coasts of Greece and Italy after having delivered Algiers into Turkish hands.

BARBAROSSA

3: This admiral was the governor of New South Wales from 1805-1808.

William BLIGH

17.(25) For five points each and a five point bonus for all four, identify the royal family name for each of these monarchs.

1: Queen Anne of England - STUART

2: Edward IV - YORK

3: Elizabeth I - TUDOR

4: Elizabeth II - WINDSOR (DO NOT ACCEPT SAXE-COBERG)

18.(25) For twenty-five points, all or nothing, given the historical events, arrange them in chronological order:

Pied Piper murders in Germany  
King Arthur of Britain is slain  
Robin Hood dies

CORRECT ORDER: ARTHUR is slain, ROBIN HOOD dies, PIED PIPER murders.

20.(30) Many of today's biggest stars got their start in soap operas, moved on to the big screen, and then faded into voice over work for cartoons. You will receive 30 points if you can identify this star by his soap opera debut, 15 if you need his voice over credit, and 5 if it takes his best-known movie role.

30: Nurse Brewer's nephew on General Hospital from 1972-1973

15: The voice of the Joker on the current Batman cartoon.

5: In the Star Wars trilogy, he played Luke Skywalker.

Mark HAMILL

21.(30) Given the following list of actors, can you match the sibling pairs? You will receive ten points for each correct match.

List: Olivia De Haviland, James Arness, Joan Fontaine, Warren Beatty, Peter Graves, and Shirley Maclaine

Pairs: DE HAVILAND - MACLAINE  
BEATTY - ARNESS  
GRAVES - FONTAINE

22.(20) "It's a nice day for a white wedding," according to Billy Idol, and evidently, many celebrities have been taking him at his word, albeit secretly. For ten points each, can you identify the following couples who recently tied the knot?

1: He's appeared in TV series such as "The Duck Factory" and "In Living Color," but is better known as "The Cable Guy." She's been seen in "Guiding Light" and "Picket Fences," and was cast as his love interest in "The Mask."

Jim CARREY AND Lauren HOLLY

2: His namesake father presided over the Cuban Missile Crisis and Bay

of Pigs invasion, and is one of two presidents buried in Arlington National Cemetery. She is a model for Calvin Klein, with a degree in Elementary Education from Boston University.

John F. KENNEDY, JR. AND Carolyn BESSETTE

25.(30) This year, soccer made a triumphant return to the United States with the introduction of Major League Soccer. Several top international players such as Carlos Valderrama, Jorge Campos, and Marco Etcheverry led their teams to successful campaigns, but five other players performed a much more remarkable feat: They started ALL 32 games in the regular season. For ten points each, can you identify the player given a short description?

1: This Kansas City Wiz midfielder played in the Major Indoor Soccer League for teams such as Tacoma Stars and San Diego Sockers, and is currently applying for U.S. Citizenship, so he can play for the U.S. National Team.

PREKI

2: This DC United Defender is a veteran of the United States National Team program, having played since 1985. He attended the University of Virginia, and was second in balloting for the Herman Trophy in 1989.

Jeff AGOOS

3: This Kansas City Wiz midfielder was the most fouled player of the Wiz, as well as being the sixth-most fouled player in MLS, suffering 69 fouls in the 32 games he played.

Mark CHUNG

26.(25) Despite finishing last in the AL Central, 24 games behind the Cleveland Indians, the Kansas City Royals had some individual start at season's end. One of those stars is pitcher Kevin Appier, who was in the top five of four individual statistics at the end of the regular season. For five points each and a five point bonus for all four, name them.

EARNED RUN AVERAGE / ERA  
MOST STRIKEOUTS  
MOST STRIKEOUTS PER 9IP  
BATTING AVERAGE AGAINST

28.(30) You've likely heard of the Michelson-Morley experiment, which disproved the existence of an ether, through which all things, including the earth and stars move. You can earn thirty points by demonstrating your knowledge of that experiment.

5: For five points, what instrument was crafted by Albert A. Michelson, the first test of which was to be this experiment?

INTERFEROMETER

10: The non-existence of the "Ether" was addressed in a 1905 theory by

Albert Einstein. It deals with Time Dilation, Length Contraction, and other measures of near-light-speed reference frames.

SPECIAL RELATIVITY (Prompt on RELATIVITY)

15: Einstein may not have been aware of the Michelson-Morley experiment as he was writing his paper on Special Relativity, but two other scientists were acutely aware, as they postulated that objects contract as they move, thus explaining the results. For fifteen points, name either of these scientists.

George Francis FITZGERALD or Hendrick Antoon LORENTZ

3: Type 3 or Third-order Lever

FULCRUM - EFFORT - LOAD or LOAD - EFFORT - FULCRUM

31.(20) In Physics, many mechanical equations have been adapted as explanations for electromagnetic theory as well. One of the most obvious is Newton's law of gravitational attraction, and Coulomb's law of electromagnetic attraction. These equations appear to be nearly identical. For ten points each, given the Coulombic quantity, give me the Newtonian equivalent.

1:  $Q_i \{Q \text{ sub } i\} - M_i \{M \text{ SUB } I\}$

2:  $1 / (4 * \pi * \epsilon_0)$  {one over four pi epsilon} - BIG G or GRAVITATIONAL CONSTANT (Prompt on G)

32.(25) Most scientific models or theories on how the univers work behave according to a set of numbered laws. The science of Thermodynamics is no different in that respect, but it does have a peculiar property: a Zeroth law, predicated by the fact that it is assumed for all other thermodynamic theory. For twenty-five points, what does the zeroth law of thermodynamics address?

THERMAL EQUILIBRIUM OF BODIES

30-20-10 Name the person from the quotes.

30 "The great question that has never been answered and which I have not yet been able to answer, despite my 30 years of research into the feminine soul, is 'What does a woman want?'"

20 "I named this process repression; it was a novelty and nothing like it had ever been recognized in mental life"

10 "Where id was, there ego shall be."

ANSWER Sigmund \_Freud\_

30-20-10 Name the figure from history.

30-This famous Englishman was born in 1883, the same year that Carl Marx died.

20- He was a compatriot of Franklin Roosevelt, Churchill, Picasso and Bernard Shaw who published a book titled "The General Theory of Employment, Interest, and Money" in 1936

10- He was one of the most highly regarded economists of all time, and a school of economic thought bears his name. He believed government should take an active role in stimulating the economy.

ANSWER- John Maynard \_Keynes\_

30 points The newest Star Wars craze is the new "Shadows of the Empire" story which takes place between the events told in "The Empire Strikes Back" and "Return of the Jedi." Answer these questions about "Shadows" for 10 points apiece.

a) Who is the newest villain in the universe, who heads a crime syndicate?

Answer: Xixor

b) He is a temporary replacement to the roguish Han Solo in the story.

Answer: Dash \_Render\_

c) What is the name that Leia takes when she disguises herself as a bounty hunter?

Answer: Boussh

30 points This past summer, to commemorate its 30th anniversary, the writers of the Star Trek novels came together to write a four book series that would tie all of the "generations" together. FTP apiece answer these questions about that series.

a) What was the series called?

Answer: Invasion!

b) Who were the invaders?

Answer: The Furies

c) Who was the only character to appear in two books?

Answer: Lieutenant \_Redbay\_

30 points Now for some famous Biblical brothers. Answer these questions for ten points apiece.

a) The brother of Shem, his son was Canaan, who became cursed by Noah when his father did not cover Noah's nakedness.

Answer: Ham

b) This brother of Abraham, was the father of Lot. He did not leave Ur to follow God. His father died in a town named after him.

Answer: Haran

c) This brother of Joseph slept with his daughter-in-law mistaking her for a prostitute.

Answer: Judah

1.(20) It is a children's book from the early twentieth century by the American author Eleanor H. Porter. The title character is an orphan girl who, despite the difficulties in her life, is always extremely cheerful.

The name is used to refer to anyone who remains excessively sweet-tempered and optimistic even in adversity. For 20 points, name it.

POLLYANNA

3.(25) Identify this 20th century short story, 25-10:

25: It is a story about a henpecked husband with extravagant daydreams: he imagines himself as a heroic pilot in wartime, a world-famous surgeon, and a soldier who can face a firing squad without fear.

10: It is written by James Thurber and the title character's name has been used to refer to an ordinary person who dreams of leading a romantic life.

THE SECRET LIFE OF WALTER MITTY

4.(25) For 25 points, identify the Henry Wadsworth Longfellow poem from which the following passage was taken.

Ships that pass in the night, and speak each other in passing,  
Only a signal shown and a distant voice in the darkness;  
So on the ocean of life we pass and speak one another,  
Only a look and a voice; then darkness again and a silence.

"ELIZABETH"