

21 May 2001
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PENN BOWL 10

A Buzzer Odyssey

Tossups by

Maryland

14

1 These people are said to have discovered *pulque*, and their calendar contained 260 days in a 52-year cycle. Although their exact origins are unknown, they have their roots in the Miztec and Zapotec peoples; their cities included Cholula and their capital Fulan. For 10 points--name this group of "master builders" who flourished in Mexico from AD 900 to 1300.

ANSWER: Toltecs

2 Some scientists have posited that the appendix served as one of these organs in early humans. A membranous sac in carnivorous birds, it discharges prepared food into the intestine. In seed-eating birds, it has muscular walls and grinds food with the aid of gravel. For 10 points--name this organ which aids the digestive system in some mammals through the use of "stones."

ANSWER: gizzard

3 Two valleys, creatively named North and South, separated by Causeway Heights, were key to this battle, where 3,000 Turks with a 900 pound cannon guarded Scarlett's brigade, and confused the invaders when they attacked left. When Lucan's cavalry refused to help, Cardigan's troops were led to the slaughter. For 10 points--name this Crimean War battle immortalized in Tennyson's "The Charge of the Light Brigade."

ANSWER: Balaklava

4 After departing the *Arabella*, she settled first in Ipswich and then North Andover. Among her poems are "The Flesh and the Spirit" and "Contemplations," discussing the transiency of life. More famous, though, are her poems "To My Dear and Loving Husband" and "On the Burning of Her House." For 10 points--name this woman immortalized in an homage by John Berryman who published *The Tenth Muse Lately Sprung up in America*.

ANSWER: Anne Bradstreet or Anne Dudley

5 This collection includes a story, first published as "The Visionary," which contains the poem "To One in Paradise"; a story about Egaeus, who loves an epileptic; and a story in which a man sees a decrepit mansion split and fall into the sunset. In what work--for 10 points--would you find these stories, "The Assigantion", "Berniece", and "The Fall of the House of Usher"?

ANSWER: *Tales of the* Grotesque and Arabesque

6 After Aphrodite saw Tydeus eat the brains of an enemy, she shows him no mercy. Zeus kills Capaneus for impious boasting, and Amphiaraus is swallowed by the earth. The others, except Adrastus, who is saved by his horse Arion, also perish in the battle; Polynices and Eteocles kill one another. For 10 points--this is the basic plot of what play by Aeschylus?

ANSWER: Seven Against Thebes or Hepta epi Thebais

7 Sources include Plutarch's *Life of Marcus Antonius* and Payter's *Palace of Pleasure*. When the title character, a spendthrift, loses his fortune, he loses his friends, too, despite warnings from the cynical Apemantus [ah-puh-MAN-tis] throughout the play that his "friends" were using him. When the title character finds a buried treasure, he rewards his servant Flavius and aids Alcibiades in his conquest. For 10 points--name this Shakespeare tragedy.

ANSWER: Timon of Athens

8 A student of Charcot, he assisted in Charcot's study of hysteria and hypnotism. With a colleague, he perceptively analyzed Sister Jeanne des Anges's [ahnzh] account of her "hysterical illness" caused by a priest's unrequited love. Shot by a deluded female ex-patient at Salpêtrière hospital in 1885--for 10 points--name this man who described a disease of involuntary movements and vocalizations, which only rarely are obscenities.

ANSWER: Georges Édouard Albert Brutus Gilles de la Tourette

9 In Latin, the first person forms are called hortatory, while the third person forms are called jussive. For regular Spanish verbs, it is indicated by exchanging the endings for *-ar* verbs with those for *-er* verbs, and *vice versa*. In French, many irregular forms exist, but most share the form with the indicative. For 10 points--name this mood used in English to show a desire, command, or something not to occur in reality, as in the phrase "If I were you."

ANSWER: subjunctive mood

10 Its common name is a distortion of the Greek for "the greatest composition;" its original Greek name was *Megale Syntaxis tes Astronomias*. It contains many of the discoveries and much of the cataloging done by Hipparchus and other Greek astronomers. For 10 points--name this scientific work by Ptolemy.

ANSWER: *The Almagest* [accept *Megale Syntaxis tes Astronomias* on early buzz]

11 In the lower part of this painting, people are drowning the ocean; one leg is clearly sticking out of the water. That leg seems surrounded by a lot of fish that seem to be eating at the body of the drowning person. There is a ship in the upper left of the painting, and the drowning people have been tossed out of the ship because a storm is bearing down on it. For 10 points--name this painting by JMW Turner.

ANSWER: *The Slave Ship* or *Slavers Overthrowing the Dead and Dying--Typh(o)n Coming On*

12 Robert Mitchum wrote the title song, and the song "Whipporwill" heard later on. Lucas Doolin returns from the Korean War and takes over the family moonshine business. Battling big-city gangsters and local police. A classic car chase film, the title song hit #1 on the pop charts. For 10 points--name this 1958 movie which Mitchum also wrote and starred in, in which "the law they thought they'd get him but the devil got him first."

ANSWER: Thunder Road

13 This skilled organist wrote a biography of Bach. His three-volume series *Philosophy of Civilization* pushed his concept of "reverence for life." His other works include *The Mysticism of St. Paul the Apostle* and his autobiography, *Out of My Life and Thoughts*. Even better known as a philanthropist--for 10 points--name this polymath physician who won the Nobel Peace Prize in 1952.

ANSWER: Albert Schweitzer

14 The long flute solo near the end of this 1912 work represents Pan; the final section in the score, marked "*Danse générale*" [ZHAY-nay-rah], has been translated by some as "orgy." Scored for large orchestra and four-part wordless chorus, it tells the story of a shepherd who rescues nymphs from a band of pirates. Composed in 1912 for the Ballets Russes--for 10 points--name this ballet by Maurice Ravel.

ANSWER: Daphnis and Chloe or Daphnis et Chloé

15 *Friends* stars Matt LeBlanc and Matthew Perry had guest roles on this show, one of the original shows in ABC's "TGIF" line-up. Gavin Doosler and Father Robert Hargis were recurring characters on this spin-off of *Growing Pains*, where the patriarch moves to California to teach at the all-boys' St. Augustine's. For 10 points--name this show about a large family whose four oldest daughters sang "We Are Family" as "The Lubbock Babes."

ANSWER: Just the Ten of Us

16 Named for a Kentucky House member and an Iowa senator, it was enforced for 12 years before being superseded. The act required the government to purchase between two and four million dollars' worth of silver each month and then coin it into money. President Hayes and his successors limited the effectiveness of the bill by buying the minimum allowed. For 10 points--name this 1878 act replaced by the Sherman Silver Purchase Act.

ANSWER: Bland-Allison Act

17 The Chinese call it the Lantsang Kiang. It rises in Tibet as the Dza Chu [koo]. It forms a natural border between Burma and Laos, as well as Laos and Thailand. At the Four Arms point it joins with the Tonle [TAHN-lee] Sap and it later divides into the Bassac and this river proper. For 10 points--name this river whose major port is Phnom Penh.

ANSWER: Mekong

18 He killed a judge to protect a young girl; fleeing for the border, he was able to escape when his face turned scarlet. Executed in 219, legend now holds he was nine feet tall and had the eyes of a phoenix. Canonized in 1594 by a Ming emperor, this protector of state officials has thousands of Warrior Temples in his honor. Appearing in the *Romanæ of the Three Kingdoms*--for 10 points--name this Chinese god of war.

ANSWER: Guan Di or Kuan Yü or Kuan Kung or Kuan Ti or Wu Ti

19 The test reagent is prepared by mixing 3 mL of aqueous silver nitrate with 3 mL of a 10% sodium hydroxide solution. Then add 10% hydronium oxide solution dropwise until the silver dissolves. Dissolve your unknown in less than 1 mL of ether, and then add the reagent dropwise while shaking the unknown solution vigorously. A positive result will be a silver mirror coating the container in--for 10 points--what test for aldehydes?

ANSWER: Tollen's test [accept silver mirror test or aldehyde on early buzz]

20 According to its website, it is about four months from completion. In 1998, Netscape came up with the idea of making Netscape 5's source code open. Soon after, Netscape scrapped Netscape 5, and this project to build a web browser from scratch was born. For 10 points--name this open source web browser project, whose component parts are Gecko and Necko, parts of which were used in Netscape 6.

ANSWER: Mozilla [prompt on "Gecko"]

21 Shot twice in the chest and a third in the arm at Lepanto, his left hand was useless for the rest of his life. Thankfully, he could still use his right hand for writing; his later plays include *El Trato de Argel* [AR-hel] and *La Numancia*. [noo-MAN-see-uh]. His literary reputation rests on his *Novelas Ejemplares* [no-BAY-las ay-hem-PLAH-rays] and one long novel. Henry Fielding was a great fan of--for 10 points--what author of *Don Quixote*?

ANSWER: Miguel de Cervantes Saavedra

22 He's credited with "discovering" Simon and Garfunkel while working for the William Morris Agency, and he served as a business agent for the Supremes and the Temptations. For 10 points--name this African-American businessman now known for starting a line of "famous" cookies.

ANSWER: Wally "Famous" Amos

23 He attributed sin not to human weakness but to voluntary acts committed against God's laws. He stressed the essential of human goodness and the freedom of the human will in attaining salvation. This angered Augustine, who insisted that only by the grace of God could man attain righteousness. For 10 points--name this monk, the author of *Brief Statement of Faith* and *On Free Will* excommunicated by Pope Innocent I in 417.

ANSWER: Pelagius

24 All made of granite, a complete set of them weighs 672 pounds. Concave on both the upper and lower surfaces, they have a circular hole drilled through for a handle. The striking surface is a ribbon around the edge that lies perpendicular to the ice. For 10 points--name these large objects used in curling, which actually weigh 42 pounds, not 14.

ANSWER: curling stones

25 Based on the Needham-Schroeder protocol, it was originally developed at MIT for Project Athena. Based on symmetric cryptography, it uses DES as its algorithm. A trusted third-party authentication protocol, designed for TCP/IP networks--for 10 points--identify this protocol named after the three-headed dog who guarded the entryway to Hades.

ANSWER: Kerberos

26 Originally made from destructive distillation of animals' hooves and horns, it is named for the temple of Jupiter in Egypt where it was historically first made. Because it reacts easily with acids to form salts, it is a reagent in both the Solvay and Ostwald processes. For 10 points--name this compound made commercially through the Haber process, with chemical formula NH_3 .

ANSWER: ammonia [accept NH_3 on early buzz]

27 The chieftain of a large band of Goths who applied for admission as refugees into the Roman Empire in 375 AD, six months later, he led a Goth rebellion prompted by a food shortage caused by corrupt Roman officials. In subsequent years, he demanded a yearly salary, rations and a Roman military title. For 10 points--name this Goth chieftain who, in 410 AD, led a sack of Rome.

ANSWER: Alaric

28 "All else is gone; from those great eyes/The soul has fled:/When faith is lost, when honor dies,/The man is dead!" says this poem, whose title is the Hebrew word for "inglorious," that condemns a man who upheld slavery in his 1850 "Seventh of March" speech. For 10 points--name this John Greenleaf Whittier poem about Daniel Webster, which sounds like it's about a Washington Irving schoolteacher.

ANSWER: "Ichabod"

29 In *Midnight in the Garden of Good and Evil*, a character claimed to own the dagger which killed this man on December 30, 1916. Because noblemen suspected this man, with Alexandra Fedorovna, of trying to establish a separate peace with Germany, they rose up against him. For 10 points--name this holy man, whose name means "debaucher," who wielded his influence at the court of Nicholas II.

ANSWER: Rasputin or Grigory Yefimovich Novykh

30 This reformer advocated the application of scientific induction to areas of the liberal arts. He influenced such philosophers as Hippolyte Taine and John Stuart Mill. In such works as *The Course of Positive Philosophy*, he founded positivism. For 10 points--name this man who also coined the term "sociology."

ANSWER: Auguste Comte

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1 Name these laws passed by Congress in the 50s, 10 points each.

Named for its co-sponsors from Tennessee and New York, this 1950 law strengthened provisions of the 1914 Clayton antitrust act by prohibiting mergers that might lessen competition.

ANSWER: Celler-Kefauver Act

This 1952 law, enacted over Truman's veto, consolidated thousands of immigration laws and directives into one body of law.

ANSWER: McCarran-Walter Act

Enacted in 1958, this law gave billions of dollars to schools and loans to college students to produce qualified scientists and engineers.

ANSWER: National Defense Education Act

2 Name these less-than-stellar high NBA draft picks, 10 points each.

A number 3 pick in 1992, despite his college heroics, this Maverick has already played for four teams.

ANSWER: Christian Laettner

The Clippers took this number 1 pick in the 1998 draft because he's tall. He's averaged 9.2 points per game so far.

ANSWER: Michael Olowokandi

Minnesota took this number 4 pick in 1994. He's spent most of his time at Golden State, but he's now a decent player for Utah.

ANSWER: Donyell Marshall

3 Name these types of microscopes, 15 points each.

This type of microscope, which uses a sharp-tipped tungsten needle, uses quantum mechanical principles. It passes small voltages to the surface, and measures differences in current.

ANSWER: scanning tunneling microscope or STM

This is the general term for any microscope that contains at least two lenses arranged in series.

ANSWER: compound (optical) microscope

4 Name these novels by Philip Roth, 10 points each.

Roth won a National Book award for this book, his first, which contained the title novella and five short stories.

ANSWER: Goodbye, Columbus

Roth's first major success was this 1969 book about a neurotic Jewish man whose mother drives him to un-kosher sex, with *shiksas* and himself.

ANSWER: Portnoy's Complaint

Roth won the 1998 Pulitzer Prize for Fiction for this work.

ANSWER: American Pastoral

5 Answer these questions about neurons, for the stated number of points.

[5] What sheath covers the axons of some neurons?

ANSWER: myelin sheath

[10] What is the term for the small regions of an axon where the myelin sheath is interrupted?

ANSWER: nodes of Ranvier [RAAN-veer]

[15] The nodes of Ranvier exist to help propagate the action potential. What name is given to the conduction of action potential through the nodes of Ranvier?

ANSWER: saltatory conduction

6 Given the pseudonym, give the author's real last name, 10 points each.

Saki

ANSWER: H(ector) H(ugh) Munro

Anatole France

ANSWER: Jacques Anatole France Thibault [tee-BOH]

George Orwell

ANSWER: Eric Arthur Blair

7 Tom Green is funny. For the stated number of points.

[5] Tom Green's current girlfriend is this *Charlie's Angels* star.

ANSWER: Drew Barrymore

[10] In the opening credits of *The Tom Green Show*, Tom Green shreds a picture of this man, his sidekick.

ANSWER: Glenn Humplinck

[15] This is Tom's rap group, which released only one CD, *Stiffenin' Against the Wall*.

ANSWER: Organized Rhyme

8 Name the authors of the following American realist novels, 10 points each.

A Modern Instance

ANSWER: William Dean Howells

His Family

ANSWER: Ernest Poole

Custom of the Country

ANSWER: Edith Wharton or Edith Newbold Jones

9 Name these women, 10 points each.

This queen of Scotland, a consort of Malcolm III, was canonized in 1250. She replaced Celtic practices with Catholicism.

ANSWER: St. Margaret of Scotland

The daughter of Henry II of France, her marriage to Henry of Navarre helped bring about the St. Bartholomew's Day Massacre.

ANSWER: Margaret of Valois or Marguerite de Valois or Queen Margot

This woman, queen consort to King James IV of Scotland, was the sister of King Henry VIII.

ANSWER: Margaret Tudor

10 Name these people who have nothing in common, 10 points each.

Called the "Tenth Justice of the Supreme Court," he wrote *The Spirit of Liberty*.

ANSWER: Learned Hand

The current premier of North Korea.

ANSWER: Hong Song Nam

Appropriately, this American pacifist and Quaker wrote *An Appeal in Vindication of Peace Principles*.

ANSWER: Alfred H. Love

11 Name these North American lakes, 10 points each.

Frozen eight months out of the year, this lake is North America's fourth largest.

ANSWER: **Great Bear** lake

The deepest lake in North America, it's Canada's second largest after Great Bear.

ANSWER: **Great Slave** lake

North America's 11th-largest lake, it is located in Saskatchewan and Manitoba.

ANSWER: **Reindeer** lake

12 Prayer, or *salat* [suh-LAHHT], is the second pillar of Islam. 10 points each.

When Muslims pray in congregation, this man leads the prayers.

ANSWER: **imam** [ee-MAAM]

At a mosque or *masjid*, this man announces the *Adhan* [uh-THAN], or call to prayer.

ANSWER: **muezzin** [moo-uh-ZEEN]

On Fridays, instead of the normal noon prayer, the *imam* reads a *khutbah*, and then leads this prayer.

ANSWER: **jumah** [ZHUH-maa] or **gumah**

13 30-20-10. Name the man.

[30] He taught himself fluent Dutch, English, French, Spanish, Italian and Portuguese in two years while working for the counting house F.C. Quien and Co.

[20] After he retired at 41 with a huge fortune, he went to Greece where with Frank Calvert he made his greatest discovery at Hissarlik [hih-SAHR-lik].

[10] This German developed the modern techniques of archaeology and discovered both Mycenae and Troy.

ANSWER: Heinrich **Schliemann**

14 Name these groups involved in the Colombian civil war, 10 points each.

The oldest and largest of the revolutionary groups, they've turned to drug cultivation for their revenues.

ANSWER: **FARC** or **Colombian Revolutionary Armed Forces**

Smaller than FARC, and more Marxist, their main source of income is ransom from kidnappings.

ANSWER: **ELN** or **National Liberation Army**

This right-wing paramilitary group, led by Jose Castanyo, has gained ground against FARC and ELN in their home turf, Putamayo province.

ANSWER: **AUC** or **United Colombian Self Defense Leagues**

15 Name these films by Sergei Eisenstein, 10 points each.

Prokofiev scored this film famous for its "Battle on the Ice."

ANSWER: **Alexander Nevsky**

This film contains the famous "Odessa Steps" sequence copied or parodied many times.

ANSWER: *(The) Battleship* **Potemkin** or **Bronenosets Potyomkin**

This historical drama, funded by Upton Sinclair, was unfinished at Eisenstein's death.

ANSWER: **Que Viva Mexico**

16 Name these deities from Celtic mythology, 10 points each.

This horse goddess is the patroness of calvary.

ANSWER: Epona

Called the "Great Queen," she is associated with the horse and totem birds.

ANSWER: Rhiannon

This goddess, associated with Minerva, is the goddess of crafts, therapy, and poetic inspiration.

ANSWER: Brigit or Brigantu or Brigantia or Brighid

17 Cover songs are a ska staple. Name the band from songs they've covered, 10 points each.

"Hungry Like the Wolf" on a Duran Duran tribute album, "Gigantic" on *Where is My Mind*, a Pixies tribute album.

ANSWER: Reel Big Fish

"867-5309 (Jenny)" on *Losers, Kings, and Things We Don't Understand*; "We're Not Going to Take It" on *Good Bye, Blue, and White*.

ANSWER: Less than Jake

"Artificial Life," an Operation Ivy cover, on *Orange County v. Ska*, "Come on Eileen" on *It Means Everything*.

ANSWER: Save Ferris

18 She is Oedipus's daughter, forged in the heat of battle OK, not really. 10 points each.

Name this heroine of a Sophocles play.

ANSWER: Antigone [an-TIH-guh-nee]

Antigone is a principal character in this Euripides play, the longest extant in ancient Greek.

ANSWER: *The Phoenician Women* or *Phoinissai*

Antigone is the title character in a French play by this playwright who also penned *The Lark*.

ANSWER: Jean Anouilh [ah-NWEE]

19 The story of Pelleas and Melisande was all the rage in the late 1800s. 10 points each.

This Belgian playwright's play *Pelléas et Mélisande* became the basis of Debussy's opera.

ANSWER: Count Maurice Polydore Maeterlinck [MY-tur-link]

This other French composer composed an orchestral suite for Maeterlinck's play.

ANSWER: Gabriel-(Urbain) Fauré [FAW-ray]

In 1903, this composer based his only tone poem on *Pelleas and Melisande*.

ANSWER: Arnold Franz Walter Schoenberg

20 Name these men who won Senate races in 1980 and then lost re-election bids, 10 points each.

In one of 1998's most expensive Senate races, Senator Pothole lost to a Congressman from Brooklyn.

ANSWER: Al(fonse) Martello D'Amato

This Washington Senator lost his re-election bid in 1986, only to win his state's other seat in 1988.

ANSWER: (Thomas) Slade Gorton III [HN: And he lost in 2000, too!]

This conservative rancher beat ultra-liberal George McGovern only to lose to Tom Daschle in 1986.

ANSWER: James Abdnor

21 In this process, daughter cells have *half* the original number of chromosomes. 10 points each.

Name this form of cell division.

ANSWER: meiosis

This is the term for the first stage of meiosis, or meiosis I [one].

ANSWER: reduction-division

For unknown reasons, for meiosis to succeed, this exchange of segments between two chromosomes of a homologous pair *must* occur.

ANSWER: crossing over

22 Given an American word, such as "gas," give its counterpart in the Queen's English, *i.e.*, "petrol." 10 points each.

eraser

ANSWER: rubber

sweater

ANSWER: jumper

sausage

ANSWER: banger

23 Answer the following about the Holy Roman Emperor, Charles V, for the stated number of points.

This 1524 war was waged against Charles. Sparked by the Reformation, the insurgence was stopped by the Swabian League.

ANSWER: Peasant's Revolt

In 1520, Charles was crowned king of Germany in this city.

ANSWER: Aachen [AH-kin]

Charles abdicated his throne as Holy Roman Emperor to this man, his brother, in 1556.

ANSWER: Ferdinand I

24 Constantine I had three similarly named sons who ruled after his death. Name these two, 15 points each.

The eldest of Constantine's successors, he controlled the smallest portion of the empire. He died trying to claim some of his brothers' lands.

ANSWER: Constantine II or Flavius Claudius Constantius

This other son of Constantine I controlled the eastern part of the empire. After crushing Magnentius in 353, he controlled the entire empire until his death in 361.

ANSWER: Constantius II or Flavius Julius Constantius

25 Given the role and movie, name the Playboy playmate who took on the acting "challenge," 10 points each.

Yvette Denslow, *BASEketball*

ANSWER: Jenny McCarthy

Ellie May, *The Beverly Hillbillies*

ANSWER: Erika Eleniak

Kelly McNamara, *Beyond the Valley of the Dolls*

ANSWER: Dolly Read

26 30-20-10. Name the scientist.

[30] He was the first scientist to use the transit of Venus to determine the parallax of the sun.

[20] He financed the publication of Newton's *Principia*, as well as his own *Tabula Astronomie*.

[10] He is best known for predicting a comet to appear in 1758, which last appeared in 1985.

ANSWER: Edmund Halley

27 Name these amphetamines, 10 points each.

Amphetamines affect people by releasing this catecholamine [ka-tuh-KOH-luh-meen] into the body.

ANSWER: epinephrine or adrenaline [do not accept "norepinephrine"]

Methamphetamine is made from this drug, a trucker's life saver, which is now illegal in most truck stops.

ANSWER: ephedrine or 2-methylamino-1-phenyl-1-propanol [do not accept "pseudoephedrine"]

This herbal ephedra is now illegal in the US after it was linked to the cause of death in some herbal ecstasy overdoses.

ANSWER: ma huang

28 Name these revisionist works of Shakespeare, 15 points each.

This film by Akira Kurosawa takes the Macbeth tragedy to a Japanese treatment.

ANSWER: Throne of Blood

This Aime Cesaire play looks at the colonial and racial aspects of a play, treating Caliban as victim, not barbarian.

ANSWER: A Tempest

29 Answer these related questions, 10 points each.

In which 1850 novel, a husband returns from Europe to see that his wife has not only committed adultery, but given birth as well?

ANSWER: The Scarlet Letter

What sorrowful 1932 tale of a Georgia sharecropping family, dramatized by Jack Kirkland, ran for over 3,000 performances on Broadway?

ANSWER: Tobacco Road

What first name do the bastard child in *The Scarlet Letter* and the youngest daughter in *Tobacco Road* share?

ANSWER: Pearl

30 Name the assassins successful or unsuccessful of the following people, for the stated number of points.

[5] Robert F. Kennedy, 1968

ANSWER: Sirhan Sirhan

[10] Huey P. Long, 1935

ANSWER: Carl A(ustin) Weiss

[15] Henry Clay Frick, chairman of Carnegie Steel, 1892

ANSWER: Alexander Berkman

[HN: Berkman was unsuccessful; some critics contend Long was shot by his own bodyguards. Ed.]