

1999

Thumbs on Ice Buzzer Revue
Wichita State University

Round 12

1. He became deputy attorney general in Indiana in 1960, and he was elected to the state House of Representatives there in 1966. In 1968 he was appointed assistant attorney general in the Nixon Administration, and he was appointed as the first head of the EPA in 1970. In 1973 he became acting director of the FBI, but he is most famous for his actions on October 20, 1973. FTP, name this man who like Elliot Richardson, resigned his position rather than fire Special Prosecutor Archibald Cox.

Answer: William D. Ruckelshaus

2. A follower of Emile Durkheim, he believed that science should be applied in the Study of human society, and applied this principle in his work. His study resulting from a trip to the Andaman Islands earned him a fellowship at Trinity College, Cambridge where he focused on kinship and family organization. He would later become the director of Education for the Kingdom of Tonga and then professor of social anthropology at Cape Town where he founded the School for African Life and Languages. He would go on to become professor of anthropology at the University of Sydney where he produced his best known work, The Social Organization of Australian Tribes. FTP, identify this anthropologist, who became the first professor of social anthropology at Oxford and whose most influential work is probably his Method in Social Anthropology.

Answer: A.R. Radcliffe-Brown

3. It begins with the lines "Yet once more, O ye laurels, and once more,/ Ye myrtles brown, with ivy never sere,/ I come, to pluck your berries harsh and crude." The event that led to the its creation occurred on August 10, 1637 when the son of the secretary for Ireland attempted to travel to Ireland from Chester. FTP, name this poem written in response to the untimely death of Edward King, written by John Milton.

Answer: Lycidas

4. An equation which bears his name is often used in thermochemical calculations, especially in calorimetry. The equation relates the change in enthalpy for a process to the equilibrium constant for that process at different temperatures. FTP, identify this Dutch chemist who was awarded the first Nobel Prize in chemistry in 1901.

Answer: Jacobus van't Hoff

5. The story of his revolt and of the march of the Ten Thousand Greeks was told by the Athenian general and historian Xenophon in the *Anabasis*. He planned a revolt when his brother succeeded to the throne in 404 BC, but his plan was revealed and he was pardoned. He collected a force of about 100,000 Persian subjects and 13,000 Greeks, mainly Spartans whom he helped win the Peloponnesian War. In 401 BC, his army met his brother's army in battle at Cunaxa, and he was killed in the battle. FTP, identify this Persian prince, son of Darius II and brother of Artaxerxes II.

Answer: Cyrus the Younger

6. In 1960 he began releasing ballads as Paul Raven and toured with Cliff Richard, Tommy Steele, and Billy Fury. His "Paul Raven" rendition of Burt Bacharach's "Walk On By" became a big hit in the Middle East in 1961. He sang on the soundtrack to "Jesus Christ Superstar" in 1970 and, under the name Paul Monday, recorded a version of the Beatles' "Here Comes the Sun." FTP, after considering such monikers as Horace Hydrogen and Terry Tinsel, who burst onto the English scene in 1972 with "Rock and Roll Part II" which became his only Top Ten U.S. entry?

Answer: Gary Glitter or Paul Francis Gadd

7. It started at Meerut, when 85 soldiers, who had been placed in chains for refusing to use new gun cartridges that were allegedly greased with the fat of cows and pigs, were freed by their comrades. The mutineers killed many of their officers and set out for nearby Delhi, which they captured with the help of the local garrison. Regiments then revolted at Cawnpore and Lucknow; Cawnpore was captured, and Lucknow was besieged. The Indian soldiers vastly outnumbered British soldiers, and the rebellion quickly spread over north and central India, gaining popular support, but it had been put down by 1859. The most important result of the rebellion was the transfer of the administration of India to the British crown. FTP, identify this revolt of the Indian soldiers in the Bengal army of the English East India Company.

Answer: _Sepoy_ Mutiny

8. Found by Francis William Aston, the inventor of the mass spectrometer, it was first detected as slight discrepancies in mass numbers of individual isotopes caused by the gain or loss of energy from nuclei formation. Its existence explained why a hydrogen-to helium conversion produce great amounts of energy, since mass was lost on a larger scale per particle than was produced in reactions involving only the outer electrons. In addition, it explained the energy available to alpha particles, gained from a loss of mass. FTP, name the term for the energy change produced by packing together subatomic particles in a nucleus.

Answer: _Packing Fraction_ or _Binding Energy_

9. A textile engineer by trade, he became the director of a spinning mill in 1937. He was an active member of the Leningrad Communist Party and in 1938 was elected chairman of its executive committee, a position equivalent to mayor. He helped evacuate 500,000 people from the city during the German siege of World War II, and after the war was appointed a full member of the Politburo. In 1959 he was made chairman of the State Planning Commission, and in 1960 he became first deputy premier. FTP, identify this Soviet premier from 1964 to 1980 who remained subservient to the secretary general of the Communist Party, Leonid Brezhnev.

Answer: Aleksey _Kosygin_

10. His theorem is the analogue of the divergence theorem for the curl of a vector. It was stated in response to a question sent to its creator by Lord Kelvin in 1850. His law describes the motion of a sphere in a viscous medium. FTP, name the British mathematician and physicist who lends his name to both of these concepts.

Answer: Sir George Gabriel _Stokes_

11. He was trained from 1898 to 1902 in the studio of the painter Giacomo Balla where he learned to paint in the manner of the Pointillists. In 1907 he settled in Milan and gradually came under the influence of the poet Filippo Marinetti. He advocated the use in sculpture of non-traditional materials such as glass, wood, cement, cloth, and electric lights, and he called for the combination of a variety of materials in one piece of sculpture. FTP, identify this artists whose principal works include the painting "The City Rises" and one of the masterpieces of early modern sculpture, "Unique Forms of Continuity in Space".

Answer: Umberto _Boccioni_

12. It was composed in 1880 to accompany a tableau vivant presented at the Mariinsky Theatre in St. Petersburg in celebration of the silver jubilee of Tsar Alexander II. Designed to represent the approach and passing of a caravan, its historical background is Russian expansionism in the area of Turkestan. FTP, identify this orchestral picture by Alexander Borodin.

Answer: _In the Steppes of Central Asia_

13. His first novel, *Swami and Friends*, was based on his experiences as a village schoolteacher. Like his later fiction *The English Teacher* and *The Vendor of Sweets*, it is a gently humorous, elegantly crafted picture of daily life in a fictitious southern Indian town. His other novels include *Waiting for the Mahatma*, *The Guide*, *The Man-Eater of Malgudi*, and *A Tiger for Malgudi*. FTP, identify this highly acclaimed Indian author.

Answer: R. K. _Narayan_

14. Like the rest of the Greek heroes, he did not have a happy homecoming. As part of Aphrodite's punishment, his wife had been unfaithful and his throne was usurped. He fled for his life to Italy, founded the city of Argyrupa and made peace with the Trojan settlers. During the war, he had been one of the most respected commanders, having killed Rhesus and his Thracians and convincing Philoctetes to join the battle. The king of Argos, his companions were turned into birds by Aphrodite as punishment for his wounding of her during the Trojan War. FTP, name this man who accompanied Odysseus on the expedition to steal Troy's sacred image, the Palladium.

Answer: Diomedes

8. Taking advantage of the revolutionary crisis precipitated by the English victory over France at Poitiers, the peasantry sought revenge on their oppressors, particularly the nobility. This uprising, initiated by a minor clash between some peasants and soldiers near Beauvais, swiftly spread to various parts of northeastern France. Supported by the burghers in some areas, the peasants sacked and burned numerous castles and killed a number of nobles, until Royalist forces under Charles II, king of Navarre, then captain general of Paris, decisively defeated an army of peasants on June 10 near Meaux, killing about 7000 and crushing the uprising. FTP, identify this uprising of French peasants in 1358.

Answer: _Jacquerie_

9. His early sympathies with the Puritans led him to immigrate to America in 1635, and the following year he was chosen governor of Massachusetts. His advocacy of religious tolerance cost him his popularity, and he returned to England in 1637. There he served as joint treasurer of the navy from 1639 to 1641 and was knighted in 1640. In 1643 he was the English Parliament's chief negotiator of the Solemn League and Covenant with Scotland. After the execution of Charles, he became a leading figure in the Commonwealth and an intimate of Oliver Cromwell. FTP, identify this English statesman, who, after the restoration of Charles II as king in 1660, was suspected of having plotted with General John Lambert to institute a dictatorship, and was imprisoned and executed for treason in 1662.

Answer: Sir Henry _Vane_

10. He developed a method of algebraic notation that freed him to incorporate any number of unknowns into an equation. He published his solutions to some well-known problems in a 1674 work whose title translates as _Detailed Explanation of Mathematical Method_. His work anticipated the work of the German mathematician Gottfried Leibniz by a decade. After studying the trigonometry of the French mathematician and physicist Blaise Pascal, he published a formula involving determinants in 1712, similar to the 1713 theorem developed by Swiss mathematician Jakob Bernoulli. FTP, who was this Japanese government official and pioneering mathematician of the Edo period?

Answer: _Seki__Takakazu_ (accept either name; references exist to both first and last)

11. Act III was left incomplete by the composer's death and wasn't orchestrated until 1977 by Friedrich Cerha. The title character is a femme fatale who sinks to prostitution and ends up a victim of Jack the Ripper. The music is founded on a single note-row, from which are derived leitmotiv associations with certain characters, which differs from the composer's *Wozzeck* where each scene has a formal designation. FTP, identify this opera, first produced in Zurich in 1937, two years after the death of its composer, Alban Berg.

Answer: _Lulu_

12. He inherited a wide realm stretching from northern Egypt to Persia, and before 652 BC he had expanded this area to include southern Egypt and western Anatolia. He was one of the rare ancient Middle Eastern rulers who was literate, and his scribes amassed the first systematically collected library in that area. His royal residences, especially at Nineveh, were decorated with magnificent reliefs depicting scenes of war, wild-animal hunts, and everyday palace life. In 652 BC, a revolt led by his brother gained widespread support among his far-flung empire, and the decline of that empire is traced to the effort undertaken to suppress that revolt. FTP, identify this last great monarch of the Assyrian Empire.

Answer: _Ashurbanipal_

13. The territorial gains that it provided to Russia caused alarm to other nations, and a congress was called at which it was replaced by the more moderate Treaty of Berlin some four months after this treaty was signed. By its terms the independence of Serbia, Montenegro, Romania, and Bulgaria was recognized, and Russia obtained the right to occupy Bulgaria for two years. FTP, identify this 1878 treaty which ended the Russo-Turkish War.

Answer: Treaty of _San Stefano_

14. This process first appeared among Gnostic heretics who had an interest in scripturally justifying their actions. Origen created the foundation for this typological-allegorical method which lasted until the time of Luther and sought to find the spiritual, as opposed to the literal, meaning of the scriptures. FTP, give this process whose name is a transliteration from the Greek meaning the process of bringing out.

Answer: EXEGESIS

15. He was the leading exponent of a brand new school of writing, "cyberpunk." He coined the now-common term "cyberspace" to describe a computer-simulated reality that shows the nature of information. His novels take place in this computer-generated world, such as in *Count Zero* and 1994's *Virtual Light*. FTP, identify this cyberpunk writer of 1988's blockbuster *Mona Lisa Overdrive*.

Answer: William_Gibson_

16. Surviving until the Moorish conquests of the seventh century, this movement had been founded in the 4th and 5th centuries after one of the three bishops of Carthage was believed to be a 'traditor' that is, one of the ecclesiastics who had been guilty of handing over their copies of the Bible to the oppressive forces of the Roman emperor Diocletian. FTP, name this heresy, which held that the church must exclude from its membership persons guilty of serious sin, and that therefore no sacrament could rightly be performed by a traditor.

ANSWER: DONATISM

17. Although in his last years he received such honors as being named personal physician to Pope Innocent XII, his achievements cost him bitter and even violent opposition throughout much of his life. He was the first to discover red blood corpuscles and to show that they gave blood its color. He also identified the taste buds and described the chick embryo, the development of the silkworm, and the structure of plants. In 1661 made his most important discovery, describing the network of pulmonary capillaries that connect the small veins to the small arteries, thus completing the chain of circulation postulated by the English physician William Harvey. FTP, identify this 17th century Italian physiologist, whose discoveries in microscopic anatomy upset ancient medical beliefs and set the course for modern physiology and histology.

Answer: Marcello_Malpighi_

18. "The Hind Tit" by Andrew Nelson Lytle, "Remarks on the Southern Religion" by Allen Tate, "Whither Southern Economy" by H.C. Nixon, "The Briar Patch" by Robert Penn Warren, and "The Irrepressible Conflict" by Frank L. Owsley make up part of this work. Published in 1930, this collection also includes "Not In Memoriam, but in Defense" by Stark Young and "Unreconstructed but Unregenerate" by the group's leader, John Crowe Ransom. For ten points, identify this book, consisting of twelve essays by 12 Southern Authors, all associated with the Fugitives of Vanderbilt University.

Answer: _I'LL TAKE MY STAND_

Tiebreaker

19. It is named after the Yugoslav geophysicist who suspected its presence after analyzing seismic waves from the Kulpa Valley earthquake of 1909. Marked by a rapid increase in the speed of earthquake waves, it follows the variations in the thickness of the crust and is found approximately 20 miles below the continents and about 6 miles below the oceans. FTP, identify this boundary layer between the crust and the mantle of the earth.

Answer: _Mohorovicic discontinuity_ or _Moho_