

## Cane Ridge Revival

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Tiebreakers

TOSSUPS

**In one of this author's novels, the author of *Coffee and Doughnuts* has a teenage affair with an older woman who publishes detective novels under the pseudonym Alice Somerset in Canada. In that novel by this author, the title character's squash-playing father Ted seduces mothers by writing scary children's books like "The Door in the Floor." The phrase "keep passing the open windows" punctuates a novel by this author in which the (\*) bear suit-wearing Susie terrifies the ex-quarterback Chipper Dove in revenge for his rape of Franny, who begins an incestuous relationship with her brother John. One of this author's protagonists leaves an abortionist doctor's orphanage to work at an apple orchard, while another writes "The Pension Grillparzer," and is the son of "sexual suspect" Jenny Fields. For 10 points, name this author of *The Hotel New Hampshire*, *The Cider House Rules* and *The World According to Garp*.**

ANSWER: John Winslow Irving [accept John Wallace Blunt, Jr.]

**Like a neighbor later in the 1980s, this country implemented a "3-S" policy of sports, screen, and sex, while another of its leaders noted that the U.S. succeeded despite its "problematic" minorities. In this home of the "construction state," the so-called "1955 System" ended when a former marquis led an eight-party coalition to victory in 1993. An attempt to break up business groups in this country led to complaints of (\*) "SCAPitalism." In this country, the Clean Government Party was the predecessor to a Buddhist party that is currently in government. This country's MITI ministry lost much of its influence in the 1980s, during which the Recruit Scandal occurred. This country experienced a "Lost Decade" in the 1990s. For 10 points, name this country whose postwar politics have been dominated by the Liberal Democratic Party, including the long premiership of Junichiro Koizumi.**

ANSWER: Japan [or Nihon-koku; or Nippon-koku]

**This element catalyzes the cycloaddition of a nitrile with two equivalents of acetylene to form pyridine derivatives. Sepulchrate ligands are typically coordinated to this metal, whose inert hexammine complex ion forms a chloride salt employed as the chief model of Alfred Werner. Unusually for its row, the plus three oxidation state of this metal generally forms only low-spin octahedral complexes, in contrast to this metal's high-spin plus two complexes, whose pink solutions change (\*) color when acid is added. This non-rhodium metal catalyzes the Bönnermann cyclization and hydroformylation. Gamma Knives irradiate tumors using the synthetic 60 isotope of this metal, whose alumina salts produce blue pigments. This metal acts as a cofactor for methionine synthase, which binds a vitamin containing it in a corrin ring. For 10 points, name this ferromagnetic metal found in vitamin B12, with chemical symbol Co.**

ANSWER: cobalt [or Co before mentioned]

**The Armenian form of this action is performed at the entrance to churches and is called *matagh*. One example of this act ended with the lighting of a fire from which all fires in the city were lit in the New Fire ceremony. This action is performed on Mount Gerizim on Passover by the Samaritans. This action was performed once a month at the tomb of Cyrus the Great in a manner similar to the Vedic ritual that employs a hundred gold and silver needles and a gilded (\*) chariot, and which is called the Ashvamedha. One Jewish form of this act is called a *korbanot*. In one ceremony of this action, a man was painted black and was given four wives; a flute was broken after that man climbed to the top of a pyramid, while dressed as Tezcatlipoca. In Old Testament tradition, this act was performed on a red heifer to purify those who touched corpses. For 10 points, name this religious rite involving the ritual slaughter of an animal**

ANSWER: animal sacrifice [accept animal or burnt offering; also accept ritual slaughter, before mentioned]

In one painting, this artist depicted two men with sticks beating bulls that they grab by the horns. He depicted a dark green decapitated head with a bloody stump resting on a white tablecloth. A portrait by him of a bearded man wearing a red-tasseled hat and a military medal glancing off to the side is one of several portraits of patients of Etienne-Jean Georget, which include the *Portrait of a (\*) Madwoman* and *Portrait of a Kleptomaniac*. A painting by him shows a cannon wheel underneath a bucking white horse with a leopard-skin saddle. This artist painted four jockey-mounted horses with elongated bodies and all four hooves off the ground in *The 1821 Derby at Epsom*. A man waving a white rag has one fist on a barrel in this artist's most famous painting, in which a pyramidal pile of figures is at acute angles with a broken mast. For 10 points, name this painter of *The Charging Chasseur* and *The Raft of The Medusa*.

ANSWER: Theodore Gericault

## BONUSES

Everyone is named for their birth weight in “Storm in a Teacup,” a story by this author, who concluded that even those with economic freedom are puppets in a lecture at a women’s college about a character who awakes from a dream to “find no way out.” For 10 points each:

[10] Name this author who recalled catching shrimp and attending the theatre in a boat as a child in “Village Opera.” A character created by this author fears that the people of Wolf Cub Village have converted his brother.

ANSWER: Lu Xun [or Lu Hsun; or Zhou Shuren]

[10] Lu Xun was an influential figure during this country’s May Fourth Movement. *Spring Silkworms*, *Rickshaw Boy* and *Red Sorghum* were written by this country’s authors Mao Dun, Lao She and Mo Yan.

ANSWER: People’s Republic of China [or PRC; or Zhongguo; or Zhōnghuá Rénmín Gònghéguó]

[10] Fugui gambles away his family’s land and endures an endless stream of misfortunes with his osteomalacia-stricken wife Jiazhen and their deaf-mute daughter Fengxia in this Chinese author’s novel *To Live*.

ANSWER: Yu Hua [Nick]

This man wrote a 1980 article with Sanford Grossman entitled “On the Impossibility of Informationally Efficient Markets.” For 10 points each:

[10] Name this economist, who showed in that article that a competitive equilibrium in an asset market could not exist with costly-but-accurate information since the price would convey information and therefore make paying for it sub-optimal.

ANSWER: Joseph Stiglitz

[10] That article is a critique of this concept, which at the time held that asset prices always reflect all available information. Subsequent refinements of this concept have made it either false or tautological.

ANSWER: Efficient Markets Hypothesis (or EMH; accept “strong” or “weak” if anyone adds that because the clue is intentionally ambiguous between the two.)

[10] An entirely different critique of EMH from complexity theory was proposed by Philip Maymin, who showed that markets are efficient if and only if [this statement]. Since this statement is probably not correct, markets are probably not efficient because they cannot be an algorithm capable of solving a sufficiently complex problem.

ANSWER: P=NP (prompt on partial answer)

One of these proteins recruits COPI (COP ONE) and clathrin coat proteins to vesicles while another is activated by Sos via the adaptor protein Grb2. For 10 points each:

[10] Name these proteins of the plasma membrane’s inner leaflet that are kept in their inactive form by GDIs. Farnesyltransferase targets the CAAX motif of these proteins, which include the H-, N- and K-isoforms.

ANSWER: Ras superfamily of proteins [antiprompt on “ARFs” or “ADP ribosylation factors”; prompt on small monomeric “G-proteins” or small monomeric “GTPases” or small monomeric “GTP-binding proteins” or anything with the letter “G” really; antiprompt on specific Ras proteins (which mostly start with Ra-)]

[10] Warning! Two answers required. Ras is involved in the activation of MAP kinases, which phosphorylate proteins at the residues of these two amino acids. O-linked glycosylation occurs at their side chains.

ANSWER: serine [or Ser; or S; or 2-amino-3-hydroxypropanoic acid] and threonine [or Thr; or T; or 2-amino-3-hydroxybutanoic acid]

[10] The serine/threonine kinase PKA is activated by this second messenger, whose synthesis is catalyzed by adenylyl cyclase. This molecule binds to CAP to activate the *lac* operon.

ANSWER: cyclic AMP [or cAMP; or 3’-5’-cyclic adenosine monophosphate; or C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>O<sub>6</sub>P or equivalents]

Its composer claimed this work was inspired by his study of 18<sup>th</sup>-century works under Nikolai Tchernepnin.  
For 10 points each:

[10] Name this symphony written in 1917 in the style of Haydn. It replaces the traditional scherzo with a very short gavotte, as its third movement.

ANSWER: **Prokofiev's Symphony No. 1** in D, Op. 25 "**Classical**" [accept either underlined part]

[10] The "*Classical*" Symphony is by Sergei Prokofiev, who is best known, by children at least, for this work in which the title characters are represented by the string section and by three French horns, respectively.

ANSWER: **Peter and the Wolf** [or **Petya i volk**]

[10] A classic example of Prokofiev's gift for humorous orchestration was his decision to give the solo part in the "Romance" movement of the Lieutenant Kijé suite to this instrument.

ANSWER: double **bass** [or contrab**ass**, or **bass** fiddle]