

University of Illinois ABT questions for Elvis '98  
Questions by M. Massing, K. Schmidt, and R. Shimmin

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Tossups:

1. Only Willy Armitage and Barney Collier were present for the entire run of the series; Rollin Hand and Cinnamon Carter left after four seasons, and the original leader, Dan Briggs, was replaced after two seasons. For ten points, name this TV series whose most famous character, Jim Phelps, replaced Dan Briggs.

Answer: Mission: Impossible

2. This law can be used to measure the vapor pressure of materials with low vapor pressures, to calculate rates of evaporation of molecules from a liquid or solid surface, and to measure molecular weights. This law states that for a mixture of gases in a container with a small hole in it, the ratio of the rates of escape of the gases is equal to the ratio of the average velocities of the gas molecules. For ten points, name this law governing the effusion of gases.

Answer: Graham's Law of Effusion

3. The story centers on Mrs. Tilley's granddaughter Sylvia, who, while returning a wandering cow to their farm, encounters a man who is hunting for birds. Thus she has to decide between helping him, or forgoing a good sum of money in order to save, for ten points, which title bird of a Sarah Orne Jewett short story?

Answer: The White Heron

4. The queen bee shuttles between two blocks. Toads, clocks, and pulsars oscillate. Fish of three sizes, as well as gliders, move across the grid. Boats, loaves, and eaters do nothing at all. Together, however, they can be assembled to form a Turing complete computer. For ten points, name this cellular automaton, created by John Conway, but never marketed by Milton Bradley.

Answer: The Game of Life

5. After having already ignored three summons, it now appears that this former leader will be prosecuted for defying a subpoena to appear before what he considers a 'circus' and a witch hunt. For ten points, name this former president who is refusing to appear before the Truth and Reconciliation Commission, which is investigating human rights abuses in apartheid-era South Africa.

Answer: Pieter W. Botha

6. It is a unique outcome which satisfies four rules. First, it must be independent of irrelevant alternatives. It must also be independent of the choice of utility function, and it must be symmetrical. Finally, it must also be Pareto optimal. For ten points, name this solution to a cooperative two-person game, named for its discoverer, who won the 1994 Nobel Prize in economics for his work in game theory.

Answer: Nash equilibrium or Nash solution

7 The source of the first half of the name of this island is unknown. Roughly 20 miles long and between two and ten miles wide, its existence was first recorded in 1602 by Bartholomey Gosnold. For ten points, name this island which lies roughly four miles off of Cape Cod, Massachusetts, known as a tourist haven.

Answer: Martha's Vineyard

8. In training and even in races, he was known to carry a stopwatch so he could regulate his pace precisely. His not often imitated technique of evenly paced quarters allowed him in 1923 to set the world record for the mile run, which held until 1931. For ten points, name this track runner who won six Olympic gold medals in the 1920s for his home country of Finland.

Answer: Paavo \_Nurmi\_

9. The queen bee shuttles between two blocks. Toads, clocks, and pulsars oscillate. Fish of three sizes, as well as gliders, move across the grid. Boats, loaves, and eaters do nothing at all. Together, however, they can be assembled to form a Turing complete computer. For ten points, name this cellular automaton, created by John Conway, but never marketed by Milton Bradley.

Answer: The Game of \_Life\_

10. It guarantees the reliable, in-order delivery of a stream of bytes over a network, and is relied upon for both the FTP and HTTP internet protocols. For ten points, name this more popular alternative to the User Datagram Protocol, almost invariably seen paired with the IP internet protocol.

Answer: \_TCP\_ or \_Transmission Control Protocol\_. [Accept \_TCP/IP\_.]

11. His first publicly performed work was the 1897 \_String Quartet in D Major\_, followed two years later by his \_Transfigured Night\_. Shortly after the turn of the century, he gained importance as a teacher, having both Alban Berg and Anton Webern [veh-bairn] study under him. For ten points, name this Austrian-born composer best known today for his development of the twelve-tone method.

Answer: Arnold \_Schoenberg\_

12. In 1869, arrangement to transfer the territorial rights of the Hudson's Bay company to the Dominion, alarming the local Metis [may-tee] population. In response, this man assumed leadership, and his followers seized Fort Garry, naming him president of a provisional government. The next year, he fled when Fort Garry was recaptured. For ten points, name this man who in 1885 led another unsuccessful rebellion against Canada, leading to him being hanged for treason.

Answer: Louis \_Riel\_

13. This former President's bid for re-election suffered another setback after a judge upheld a ban on his running for public office for eight years which was set down in December 1992. For ten points, name this man cleared of criminal charges by his country's supreme court in 1994, who after being accused of influence peddling stepped down as President of Brazil.

Answer: Fernando \_Collor\_ de Mello

14. This story opens with the narrator listing four reasons for telling the story, which include the fact that he is currently laid up in Durban and the fact that Sir Henry Curtis and Captain John Good asked him to. For ten points, name this 1885 romantic adventure narrated by Allan Quatermain, arguably H. Rider Haggard's most famous book.

Answer: \_King Solomon's Mines\_

15. After a disturbance at a music hall, Richard Hannay runs into Annabella Smith, who is on the run from foreign agents. He takes her back to his apartment, where she is later murdered, sending him on the run trying to prove his innocence. For ten points, name this 1935 thriller starring Madeleine Carroll and Robert Donat, the only complete Alfred Hitchcock film with a number in the title.

Answer: \_The 39 Steps\_

16. The plan was to charge right past Russian fortifications to directly assault the main Russian defensive position. The plan required extreme mobility and daring. The plan failed miserably, due to Charles XII lacking mobility and his generals either lacking daring or understanding. Net result: Peter the Great routs the Swedish army, ending Sweden's status as a major power. For ten points, name this decisive 1709 battle in the Great Northern War.

Answer: Battle of \_Poltava\_

17. The law for conservation of this property was formulated in the early 1930's by Eugene Wigner [vig-ner]. If the coordinates x, y, and z for a system are replaced by minus x, minus y, and minus z, this quantity is said to be even if

the transformed system is identical to the original. For ten points, name this property which was shown by Lee and Yang not to be conserved in weak interactions.

Answer: Parity

18. His first novel, The Big U, is a warped take on college life, and was followed by a novel centering on ecological terrorism, Zodiac. In switching to science fiction, however, this Seattle native found far greater success. For ten points, name this author best known for his novels Snow Crash and the 1996 Hugo Award-winning The Diamond Age.

Answer: Neal Stephenson

19. Diehards insist the Patterson Power Cell runs off this process, though its inventor rejects such a claim. Understandable, since in March 1989, a similar apparatus, involving the electrolysis of a lithium deuteroxide solution in heavy water, using platinum and palladium electrodes earned Stanley Pons and Martin Fleischmann instant fame, then rejection. For ten points, name this hypothetical nuclear reaction, disbelieved by most scientists.

Answer: Cold fusion

20. On the banks of the Enipeus River, Julius Caesar's army was outnumbered two to one. Caesar used the unconventional tactic of supporting his cavalry with half a legion of infantry, and the mixed unit overran the enemy flank. The opposing general fled to Egypt, and his legions deserted to Caesar's side. For ten points, name this 48 BC battle thus ended the power of Pompey in Rome.

Answer: Pharsalus

21. He turned pro in 1933, earning his first victory in 1937 at the Oakland Open. Noted for his long career, in 1965 he was the oldest golfer to ever win a PGA tourney at the age of 52 - twelve years after being named to the PGA Hall of Fame. For ten points, name this three-time winner of the Masters known as "Slammin' Sam".

Answer: Sam Snead

22. His first play, Amasie [ah-mah-zee], was never produced and has not survived. His next, Alexander the Great, drew a cold reaction and estrangement from his Jansenist mentors. However, it was successful enough to allow him to break from Moliere's troupe to go on his own. For ten points, name this dramatist who penned such works as Andromaque [ahn-dro-mahk] and Phedre [fed-ruh].

Answer: Jean Racine [rah-seen]

23. This mammalian herbivore of the Indian Ocean and Red Sea is neither a cetacean nor a pinniped, though it exhibits a head and tusks like a walrus, and the body and notched tail of a whale. Once common, this Sirenian has been hunted to near-extinction for its oil. For ten points, name this sea creature, similar to the manatee.

Answer: Dugong [Mod.: Prompt on sea cow Do not accept manatee; they are found only in the Atlantic]

24. Gary McMichael has vowed to get his party back into negotiations and to keep counseling this group's members not to kill. For ten points, name this group banned in Northern Ireland which has recently admitted to killing at least three Catholics there since Christmas, causing McMichael's Ulster Democratic Party, with whom it is allied, to leave negotiations before they could be expelled.

Answer: UDA or Ulster Defense Association

25. It predicts the dipole moment of methane, the stability of aromatics compounds, and the stability of nitrogen monoxide, none of which are easily explained by the Lewis bonding model. For his work in developing it, Robert Milliken won the 1966 Nobel Prize in chemistry. For ten points, name this theory of chemical bonding, which describes electron-rich regions as bonding and antibonding, based on their energy compared to electrons in free atoms.

Answer: Molecular orbital theory

Prompt: M.O.

26. Born in Nashville, Tennessee, in 1824, he began his career by attempting - and failing - to conquer the Baja

peninsula. Two years later, in 1855, he was invited to interfere in the Nicaraguan civil war, and which he installed himself as president. Reforms such as legalizing slavery and making English the official language doomed his regime, and he was ousted. The next year, he was killed trying to conquer Honduras. For ten points, name this American whose life ambition was to rule a central American republic.

Answer: William \_Walker\_

27. Its source is a small mountain lake within fifty miles of Lake Baikal, though it flows northward away from Lake Baikal, eventually wandering its way east and then northward again before finally emptying into the Laptev Sea after flowing over 2700 miles. For ten points, name this Siberian river.

Answer: \_Lena\_ River

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Bonuses:

\*\*\*ALL BONUSES ARE THIRTY POINTS\*\*\*

1. For ten points apiece, given the opening lines of a John Dryden poem, name it.

A. Why should a foolish marriage vow,/ Which long ago was made,/ Oblige us to each other now,/ When passion is decay'd?/

Answer: \_Marriage a la Mode\_

B. In pious times, ere priest-craft did begin,/ Before polygamy was made a sin;/

Answer: \_Absalom and Achitophel\_ : a Poem

C. All human things are subject to decay,/ And, when Fate summons, monarchs must obey:/

Answer: \_MacFlecknoe\_

2. For the stated number of points, name these recent candidates for the Major League Baseball Hall of Fame.

A. First, for five points, this 300-game winner who spend 16 of his 23 seasons with the L.A. Dodgers was finally voted in on his fifth try.

Answer: Don \_Sutton\_

B. Next, for another five points, this longtime Cincinnati Reds first baseman came up 34 votes short on his seventh try.

Answer: Tony \_Perez\_

C. For ten points, this former Expo who caught for them for eleven seasons came up short as well with only 200 votes. Name this catcher who was also a member of the world champion 1986 New York Mets.

Answer: Gary \_Carter\_

D. Finally, for ten points, many Cubs fans feel that this third baseman, with 342 home runs in his career, should also be in the hall. Unfortunately for them, he was named on less than 50% of the ballots. Name him.

Answer: Ron \_Santo\_

3. French kings have had a history of being advised by various cardinals. For the stated number of points, identify each of these cardinals.

A. For five points, also known as the "Red Eminence", he was chief minister to Louis XIII for eighteen years, and is known for establishing royal absolutism in France.

Answer: Armand-Jean du Plessis, Cardinal \_Richelieu\_ [reesh-loo]

B. For ten points, he served as first minister after the death of Cardinal Richelieu, serving as advisor first to Louis XIII, and then to Louis XIV.

Answer: Cardinal Jules \_Mazarin\_ [maz-uh-rah-n; accept \_Mazzarino\_ or \_Mazarini\_]

C. For fifteen points, this cardinal was named Louis XV's chief minister in his early seventies; despite his age, he held this post for seventeen years, proving himself to be a far more able ruler than Louis XV.

Answer: Cardinal Andre-Hercule de \_Fleury\_ [flur-ee]

4. Sometimes the unsuccessful nominees for the Booker Prize in literature are better known than the winners. Given a brief description of three also-rans, name the titles for ten points each.

A. This 1986 nominee written by Margaret Atwood describes a dystopian future America, and was turned into a 1990 movie.

Answer: \_The Handmaid's Tale\_

B. This 1984 nominee written by J. G. Ballard was also turned into a movie, a 1987 film directed by Steven Spielberg.

Answer: \_Empire of the Sun\_

C. Finally, five years after his father won the prize for \_The Old Devils\_, Martin Amis has this 1991 book nominated, eventually losing out to Ben Okri's \_The Famished Road\_.

Answer: \_Time's Arrow\_

5. Identify the following concepts named for physicists for ten points apiece.

A. Within this boundary, about 2.5 planetary radii from a planet's center, tidal forces eventually shatter satellites.

Answer: \_Roche limit\_

B. When properly polarized light enters a transparent medium at this angle, refraction is total; no light is reflected.

Answer: \_Brewster\_ angle

C. Objects moving at near-light speeds appear to be shorter, the result of this relativistic phenomenon.

Answer: \_Fitzgerald contraction\_

Accept: \_Lorentz contraction\_, or any combination of the names

6. For ten points each, identify each of these Great Khans.

A. The second Great Khan, he extended the conquests of his father into Europe. Only his death in 1241 turned the Mongol armies from Vienna.

Answer: \_Ogodei\_ Khan

B. After the murder of his ambassadors to the Khwarizmi Empire, this Khan embarked on a punitive campaign, leaving a trail of burnt and looted cities including Utrar and Samarkand, and calling himself the Scourge of God.

Answer: \_Genghis\_ Khan

C. The fourth Great Khan united the warring kingdoms of China and placed himself on the throne of the Celestial Empire, founding the Yuan dynasty.

Answer: \_Kublai\_ Khan

7. For ten points each, answer these questions about the 1996-1997 term of the Supreme Court.

A. The case of Reno v. American Civil Liberties Union was a landmark case for First Amendment Rights. What 1990's Act did the Supreme Court hold was abridging the freedom of speech?

Answer: \_Communications\_ \_Decency\_ Act

B. Printz v. United States, however, struck new ground in relation to the Second Amendment. What Act did the Supreme Court strike down as unconstitutional in this case?

Answer: \_Brady\_ Handgun Violence Protection Act

C. One of the most spectacular cases of last year looked into the limits of presidential immunity to a civil lawsuit arising out of events preceding his term in office. Name this famous case.

Answer: \_Clinton\_ v. \_Jones\_

8. The members of many rock groups change as time goes on. Identify each of the following groups from a list of former and/or current members for ten points. If you need somewhat more famous people who have belonged to the group, you'll receive five points instead.

A. For 10: Tony Levin, Mel Collins, Bill Bruford, and Greg Lake

For 5: Peter Sinfield, Adrian Belew, and Robert Fripp

Answer: \_King Crimson\_

B. For 10: Antony Phillips, Steve Hackett, and Ray Wilson

For 5: Tony Banks and Mike Rutherford



Answer: Genesis

C. For 10: Glenn Cornick, John Evan, and Clive Bunker

For 5: Martin Barre and Ian Anderson

Answer: Jethro Tull

9. Identify the following authors who penned literary works pertaining to Arthurian legend for the stated number of points.

A. First, for five points, the poems Merlin and Vivien and The Passing of Arthur come from this poet's Idylls of the King.

Answer: Alfred, Lord Tennyson

B. For another five points, little is known of this man other than that he wrote the first prose version in English of the rise and fall of King Arthur in Le Morte d'Arthur.

Answer: Sir Thomas Malory

C. For ten points, in the 12th century this French poet wrote at least five Arthurian romances, including stories centering on Lancelot and Perceval.

Answer: Chretien de Troyes

D. For a final ten points, this 12th century French poet is best known for her lays, or verses. Two of them relate to Arthurian legend: Lanval, and Chevrefoil, or Honeysuckle.

Answer: Marie de France

10. For the stated number of points, given a work of philosophy written near the turn of the 20th century, identify the author.

A. For five points, the 1902 work The Varieties of Religious Experience

Answer: William James

B. For ten points, An Introduction to Metaphysics, written in 1903.

Answer: Henri Bergson

C. Finally, for fifteen points, the 1896 work The Sense of Beauty

Answer: George Santayana

11. Two different people have been in the news of late in France as a result of World War II and the Holocaust. Given a brief description of the person, identify him for fifteen points each.

A. This far-rightist head of the anti-immigrant National Front party is now being investigated for remarking that World War II gas chambers were a mere detail of history. He has already been heavily fined twice for such remarks.

Answer: Jean-Marie le Pen [luh pahn]

B. In Bordeaux, a trial has been going on since August, covering accusations of war crimes of this 87-year-old alleged French Nazi collaborator.

Answer: Maurice Papon [pah-pohn]

12. For ten points each, given a description of an Italian painter who was not around for the Renaissance, identify him.

A. This painter trained under Giacomo Balla, and in 1912 he published his "Manifesto of Futurist Sculpture". He is known for sculptures such as "Development of a Bottle in Space" and "Unique Forms of Continuity in Space".

Answer: Umberto Boccioni [bah-chee-oh-nee]

B. Like Boccioni, this painter also trained under Balla. He worked to combine both Futurism and Cubism, which gained acceptance for Futurism outside of Italy. Works of his include his 1914 "Red Cross Train".

Answer: Gino Severini

C. Born in Greece, along with Carlo Carra and Giorgio Morandi he founded the metaphysical school of painting. He is best known for his 1914 "Mystery and Melancholy of a Street".

Answer: Giorgio de Chirico [duh keer-ee-ko]

13. Identify the Tom Stoppard play from a brief description for ten points each.

A. This play is set in one single location, but in two different times; the present day and the early nineteenth century. In the earlier time, the action centers on the young math student Thomasina Coverly; the later time depicts one of her descendents, Valentine, who also became a mathematician.

Answer: Arcadia

B. This 1974 play centers on the interaction of Henry Carr with three famous historical figures: James Joyce, Tristan Tzara, and V.I. Lenin.

Answer: Travesties

C. Finally, his first and arguably most famous play, it centers on a pair of minor characters from Shakespeare's Hamlet.

Answer: Rosenkrantz and Guildenstern Are Dead

14. Answer the following related questions on U.S. history for ten points each.

A. For ten points, this was an executive order which required that payment for the purchase of public lands had to be made in either gold or silver.

Answer: Specie Circular

B. The Specie Circular was issued by which U.S. President?

Answer: Andrew Jackson

C. Finally, the Specie Circular, by curtailing the use of paper money, proved to cause massive deflation, and was at least partially responsible for causing which economic crisis?

Answer: Panic of 1837

15. It's one of the hottest technological lawsuits of 1997, and 1998 hasn't seen it cool down yet. Answer these questions about SUN Microsystems v. Microsoft, Inc. for the stated number of points.

A. First, for five points, name the CEO of SUN Microsystems.

Answer: Scott McNealy

B. For another five points, name the Microsoft program featuring the altered version of JAVA causing all of these problems.

Answer: Internet Explorer 4.0 (Prompt on Internet Explorer)

C. Microsoft refers to its opponents by the acronym "NOISE". The S stands for, of course, SUN, and the E stands for etcetera. Name the companies that the rest of the acronym stands for, for five points each.

Answer: Netscape, Oracle, Intuit

D. For a final five points, SUN has just released a program on its website to counteract Internet Explorer's changes in JAVA but retrofitting IE to "true JAVA" specifications. Name this program.

Answer: Activator

16. For ten points apiece, given a description of a type of wind, name it.

A. This cool, dry wind blows from the Sahara west to the African coast, from December to February, raising sandstorms in its wake.

Answer: harmattan

B. This hot, dry wind blows across the Sahara from the Atlas mountains. It is known for carrying much dust and for severely parching travelers.

Answer: sirocco

Accept: simoom

C. This warm wind blows suddenly down the east slope of the Rocky Mountains. It can raise the temperature by 30 degrees Fahrenheit in less than half an hour.

Answer: chinook

Prompt: foehn

17. Identify each of the following Latin American authors from one work for ten points each. If you need another work, you'll receive five points instead.

A. For 10: A Change of Skin

For 5: The Death of Artemio Cruz

Answer: Carlos Fuentes

B. For 10: The Infinite Plan

For 5: The House of the Spirits

Answer: Isabel Allende

C. For 10: Chronicle of a Death Foretold

For 5: One Hundred Years of Solitude

Answer: Gabriel Garcia Marquez

18. Not all state songs have the state name in their titles. For ten points each, identify the state for which each of the following is the state song.

A. "On The Banks of the Wabash"

Answer: Indiana

B. "Rocky Top"

Answer: Tennessee

C. "Yankee Doodle"

Answer: Connecticut

19. Name the comet from its associated disaster, for ten points each.

A. Discovered in 1786, it orbits the sun once every 3.3 years. In 1908, a piece of it may have caused an explosion in Siberia, more powerful than any nuclear weapon, that flattened a forest, but left no crater.

Answer: Comet Encke

B. In 1456, it was found to be responsible for the fall of Constantinople, and so the Pope excommunicated it. Not unreasonable, since in A.D. 66, its appearance was linked with the fall of Jerusalem.

Answer: Halley's Comet

C. In 1994, any inhabitants of Jupiter were shocked by this comet's collision with that planet, causing 10,000 megaton explosions in the atmosphere.

Answer: Comet Shoemaker-Levy 9

20. Identify the following locations associated with the Korean War, for the stated number of points.

A. First, for five points, this city in the southeast corner of the Korean peninsula was the only part of Korea not taken by the initial Communist advance, and until September of 1950 was the only stronghold of Allied forces.

Answer: Pusan

B. Next, for another five points, the Allied amphibious landing here on September 15, 1950 liberated Seoul and prompted MacArthur to demand a Communist surrender.

Answer: Inchon

C. For ten points, on October 25, 1950, American troops engaged Chinese forces for the first time at the reservoir near this northeast Korean city.

Answer: Chongjin

D. For a final ten points, On November 27, 1951, truce talks were moved from Kaesong to this city, but were not resolved for a year and a half.

Answer: Panmunjom

21. Name the British statesman. 30-20-10.

30. In 1841, he became Prime Minister. In favor of free trade, he promptly ended almost all tariffs.

20. In 1829, he founded the London Police Force, which was been nicknamed for him ever since.

10. In 1846, the Irish potato famine and a poor wheat harvest forced him to support the repeal of the Corn Laws, which split his party and resulted in his loss of power.

Answer: Robert Peel

22. The world chess championship having just finished in Lausanne, Switzerland, for ten points each identify these people associated with the world of chess.

A. First, this Russian won a 2-0 victory in speed playoffs to retain the championship.

Answer: Anatoly Karpov

B. Second, this Indian, ranked third in the world, one place above Karpov, lost to Karpov in the playoffs.



Answer: Viswanathan \_Anand\_

C. Finally, Karpov's victory has led to speculation that he may stage a showdown with this player, who is currently rated as the world's best player.

Answer: Garry \_Kasparov\_

23. 30-20-10, name the mathematician.

30. In 1770, he proved that every natural number can be written as the sum of four or fewer squares.

20. His "method of multipliers" allows one to locate extrema of one function of several variables, subject to the constraint that one or more other functions of those variables are equal to zero.

10. The five stable orbital points in a two-body planetary system are named for him.

Answer: Joseph Louis \_Lagrange\_

24. For ten points apiece, given the colonial name of an African region, give its current name.

A. Gold Coast

Answer: \_Ghana

B. Southern Rhodesia

Answer: \_Zimbabwe\_

C. Ubangi-Shari

Answer: \_Central African Republic\_

25. Answer the following questions on probability for the stated number of points.

A. First, for five points, suppose that you have a box with three red balls and two green balls in it. If you pull two balls at random from the box at the same time, what is the probability that both are green?

Answer:  $\frac{1}{10}$  or  $\frac{1}{10}$

B. Now, put both balls back, and again draw two balls at random at the same time. For ten points, what is the probability that both balls are different colors?

Answer:  $\frac{3}{5}$  or  $\frac{6}{10}$  or  $\frac{6}{10}$

C. Put both balls back again, and now add one black ball to the box, and then draw two balls at random from the box. For fifteen points, what is the probability that both balls are different colors?

Answer:  $\frac{11}{15}$  or  $\frac{22}{30}$

26. Seeing that this tournament is being played at a Big Ten (Eleven now) school, the packet would be incomplete without a question on the Big Ten. [Moderator: 'University' and 'University of' omitted in answers for easier reading.]

A. First, for five points each, name the five current members of the Big Ten who were not founding members.

Answers: \_Indiana\_, \_Iowa\_, \_Michigan State\_, \_Ohio State\_, \_Penn. State\_

B. Finally, for another five points, name the one school that dropped out of the Big Ten in 1908, only to rejoin the conference in 1917.

Answers: \_Michigan\_.

\*\*\*\*\*end of packet\*\*\*\*\*