

## NATSSO II - House Round 3

Written by Stephen Webb

1. According to one tradition the game began as a tool to teach the heir to the Chinese throne patience, discipline and balance. The "Ko rule" forbids placing a stone in a way that would recreate a previous board position, while each stone has certain liberties, and if those liberties are taken by an opponent then the stones are captured and removed from play. For ten points, name this extremely difficult-to-master board game whose Chinese name translates as "Chess of Surrounding One's Opponent."

Answer: **Go** or **Wei-ch'i**

2. The last ruler of this empire, Ponhea Yat, was forced to flee the capital city of Angkor Thom after a Siamese invasion. After resettling in Tuol Basan City, he was forced to move again by flooding, founding the city of Phnom Penh. Succeeded by the Chenla Empire, for ten points, name this empire of southeast Asia based in what is today Cambodia.

Answer: **Khmer** Empire

3. He unified the field of algebraic number theory with his 1897 treatise *Zahlbericht*, literally "report on numbers," and provided the first complete and correct axiomatization of Euclidean geometry in his 1899 book *Foundations of Geometry*. Aiming to completely axiomatize all of mathematics, this effort, known as his "Program", ended with Gödel's Incompleteness Theorem. For ten points, name this influential German mathematician who set the stage for twentieth century research with his list of 23 unsolved problems.

Answer: David **Hilbert**

4. Blondchen repulses the rough attempts at love made by the Pasha, and after her master recounts the Pasha's threats to acquire her love, she is greeted by Pedrillo, the servant of the hero of the opera. Pedrillo had earlier made plans for his master, Belmonte, to access the country house of the Pasha to rescue his betrothed, Blondchen's master Konstanze. For ten points, name this work in which Selim grants all freedom after catching the escape, the first truly German opera, composed by Mozart in 1782.

Answer: The **Abduction from the Seraglio** or **Die Entführung aus dem Serail**

5. His 1995 novel *Wonder Boys* grew out of his frustration with another project about the construction of a baseball park in Los Vegas entitled *Fountain City*. His first novel, *The Mysteries of Pittsburgh*, appeared in 1988 as a best seller, while his most recent novel, 2003's *Summerland*, won the Mythopoeic Fantasy Award. However, he is probably most famous for a work about cousins producing a comic book superhero. For ten points, name this author of the 2001 Pulitzer Prize winning *The Amazing Adventures of Kavalier and Clay*.

Answer: Michael **Chabon**

6. The strategy was to lure the British fleet of Admiral Beatty out of port, with the hopes that the U-boat attrition would allow Vice Admiral Scheer's dreadnoughts to destroy the bulk of the British fleet. However, all did not work out, as the British learned of the plot, and deployed the Grand Fleet from Scapa Flow to Skagerrak, intercepted the German fleet, and fought to a stalemate. For ten points, name this indecisive World War I naval engagement.

Answer: Battle of **Jutland** (accept **Battle of the Skagerrak** before "Skagerrak")

7. Opponents of this religious movement were dubbed mitnagdim by practitioners, with the opposition largely due to fear that it would become a messianic sect. Following the seventeenth century movement led by Sabbatai Zevi, this sect was founded by the Baal Shem Tov, Israel ben Eliezer, in the mid-eighteenth century. For ten points, name this sect of ultra-orthodox Jews, noted for their exuberant worship rituals and emphasis on the ideas of pantheism and Devekut.

Answer: **Hasidic** Judaism

8. This process, when applied to proteins, is usually done with an SDS polyacrylamide gel, while the Sanger or chain termination method utilizes it to separate out fragments of DNA created in a polymerase chain reaction. For ten points, name this process, which utilizes an electric current to separate out molecules through a gel mixture.

Answer: **electrophoresis** (Accept **gel electrophoresis** before "gel")

9. The Itaipu Dam, the second largest dam in the world, is situated along this river, providing 25% and 90% of the electrical power to the two nations that share the river as a border. Formed at the fork of the Grande and Paranaíba rivers, it flows down into Argentina after passing along the border between Paraguay and its nation of origin, Brazil. For ten points, name this river, that combines with the Uruguay river to form the Rio de la Plata.

Answer: **Paraná** River

10. Banished from his native city in 1302 by the Black Guelphs due to his father's connections with Dante, he spend his early life in Avignon, where his family followed Pope Clement V. As his fame as a poet grew, he was dubbed a poet laureate of Rome in 1341, but it was a 1327 encounter that resulted in his *Canzoniere* for which he has gained lasting fame. For ten points, name this Renaissance poet whose encounter with Laura is the subject of many of his namesake sonnets.

Answer: **Petrarch** or Francesco **Petrarca**

11. The first example of this effect was observed in 1979 by Dennis Walsh, Bob Carswell, and Ray Weymann, some sixty years after the effect was initially predicted. One example of it is Einstein's ring, as Einstein postulated this phenomena following Eddington's 1919 observations. For ten points, name this effect of general relativity which can result in multiple images of the same object.

Answer: **Gravitational lensing**

12. A chemical engineering graduate of MIT, he worked professional in that field throughout his life, studying linguistics only as a hobby. He became well-known for his studies of the Hopi language, his work on the Principle of Linguistic Relativity was based in part upon work he did dealing with insurance reports, and his collaboration with Edward Sapir. For ten points, name this linguist, whose linguistic theory is more widely known as an eponymous theory with Sapir.

Answer: Benjamin Lee **Whorf**

13. The character Basil March is recycled from *Their Wedding Journey*, and is the editor of the main character's magazine, resigning when ordered to fire an old socialist. The main character's son, Conrad, has also turned to radical politics, and is killed trying to save the old socialist at a labor riot. For ten points, name this 1890 novel about the Pennsylvania-German Dryfoos and his efforts to rise through New York society, written by William Dean Howells.

Answer: A **Hazard of New Fortune**

14. "Young Woman Seated At the Virginals," the first painting of this artist to go up for sale in eighty years, recently sold at Sotheby's for \$30 million, an art auction record. The painting is identical in dimensions to the artist's other work "The Lacemaker," and of a similar house scene theme to most of his known works, some forty total. For ten points, name this Dutch master of the seventeenth century who lived his entire life and is buried in his home city of Delft.

Answer: Johannes **Vermeer**

15. After the events for which he is most famous, he worked as a test pilot for Lockheed from 1963 until 1970. In a Congressional hearing about the events he was involved in, the Senate Armed Services Select Committee concluded that he had not divulged any critical information to the Soviets and had conducted himself "as a fine young man under dangerous circumstances", despite having failed to destroy sensitive material on his plane. For ten points, name this U-2 pilot who was shot down over Sverdlovsk in 1960.

Answer: Francis Gary **Powers**

16. In the 1980's and 1990's the virus was the favored explanation for chronic fatigue syndrome, despite the fact that almost everyone has it. Diseases associated with it include Stevens Johnson syndrome, Hodgkin's disease, Alice in Wonderland syndrome, and mononucleosis. For ten points, name this ubiquitous virus of the herpes family which was discovered by B.G. Achong along with two other namesake scientists.

Answer: **Epstein-Barr** virus

17. A stainless steel satute of this creature is featured prominently Midlands England town of Wednesbury, which means "Odin's fort." Created when Loki gave birth to it by Svadilfari, it's peculiar deformity may originate from real creatures of the same type with three toes, despite the condition being fairly rare. For ten points, name this eight-legged horse, the first of all horses, which Odin used as transportation.

Answer: **Sleipnir**

18. The last ditch effort of moderates to prevent further bloodshed, it was drafted by John Dickinson and expressed loyalty to The King and begged for a ceasefire until a peaceful resolution could be reached. In November of 1775 the colonists discovered that George III had dismissed it, and the Second Continental Congress then drafted the Declaration of Independence. For ten points, name this document, which sought to end the Revolutionary War as a symbol of peace with the Mother Country.

Answer: **Olive Branch Petition**

19. Following several heart attacks in 1918, his writing dwindled to a small output, his last piece being the 1925 work *A Farewell to Land*. He was heavily influenced by the Transcendentalists, as evidenced by the compositions *The Unanswered Question* and *Piano Sonata No. 2: Concord, Mass., 1840-1860*. His *Universe Symphony* remained incomplete until his 1954 death, while he won the 1947 Pulitzer Prize in music for his third symphony. For ten points, name this American composer of *Variations on "America."*

Answer: Charles **Ives**

20. At the court of Nero Tacitus referred to him as "judge of elegance," and it is in the sixteenth book of Tacitus' *Annals* in which we find the almost exclusive historical evidence for his existence, who reports that he committed suicide to avoid execution by Nero. For ten points, name this Roman author whose realistic account of Roman social life, vices and luxury in the Imperial age can be found in the only work attributed to him, the *Satyricon*.

Answer: Gaius **Petronius**

21. Hippias, the tyrant of Athens, was expelled with the help of Cleomenes I of Sparta, and was the source of information that the Athenian Alcmaeonidae family were prepared to overthrow Miltiades. Darius then marched into Eretria and, poised to strike Athens, the Athenian military opted to attack, despite being greatly outnumbered. For ten points, name the Athenian victory that ensued, in which 6400 Persians were killed with the loss of only 192 Athenians and which prompted a 26 mile run to announce the victory.

Answer: Battle of **Marathon**

## Bonuses

- One of the oilmen involved in this scandal bequeathed much of his estate to his grandson, science fiction writer Larry Niven. For ten points each
  - name this presidential scandal the centered around the sale of an oil reservation on April 7, 1922.  
Answer: **Teapot Dome Scandal**
  - The Teapot Dome Scandal took place under this man's presidency.  
Answer: Warren Gamaliel **Harding**
  - This Secretary of the Interior became the first US Cabinet member to serve jail time with his 1931 conviction for his involvement in the scandal. He served one year and paid a \$100,000 fine.  
Answer: Albert Bacon **Fall**
- Medieval philosopher time. Given a description name the philosopher 5-10-15.
  - Dubbed "Doctor Universalis," this instructor of Thomas Aquinas was canonized in 1932.  
Answer: **Albertus Magnus** or Saint **Albert the Great** or **Albert of Cologne**
  - One of Albertus Magnus' principal theological works was a commentary on the Books of Sentences by this other philosopher, dubbed "Magister Sententiarum."  
Answer: Peter **Lombard**
  - Albertus Magnus also answered the errors of this Arabian philosopher from Cordoba who became known to Christians as "The Commentator" and whose most important work was "Refutation of Refutation" defending the logical consistency of Aristotle.  
Answer: **Averroes** or **Abu Al-Walid Muhammad** Ibn Ahmad Ibn Muhammad Ibn Ahmad Ibn Ahmad Ibn Rushd
- Tennessee Williams plays from a description for ten points each.
  - In the first stage renditions, Marlon Brando portrayed Stanley Kowalski and Jessica Tandy played Blanche DuBois, opening on Broadway in 1947.  
Answer: A **Streetcar Named Desire**
  - All the relatives at Big Daddy's birthday party are intent on his large inheritance except Brick, who has been drinking himself into a stupor since the death of his friend Skipper.  
Answer: **Cat on a Hot Tin Roof**
  - The title object is on the chest of both Serafina Delle Rose's deceased truck driver husband, and another, younger truck driver she meets three years after he husband's death.  
Answer: The **Rose Tattoo**
- Identify the following about Egyptian mythology for ten points each.
  - The elder version of this god was held to be the brother of Seth and Osiris, while the younger was the child of Osiris and Isis, conceived to avenge the death of Osiris.  
Answer: **Horus**
  - Horus the Elder would have been in the same generation as this sister-consort of Seth whose liaison with Osiris resulted in the birth of Anubis.  
Answer: **Nephtys**
  - Horus the Elder was venerated in pre-Dynastic Upper Egypt as the creator god along with this goddess, whose name translates as "the House of Horus," perhaps a reference to her role as the Celestial Cow.  
Answer: **Hathor**
- Name the following about the anatomy of leaves for ten points each.
  - The epidermis of the leaf is transparent and covered with this clear waxy layer to prevent water loss.  
Answer: **Cuticle**
  - These pigments in leaves range from pale yellows to bright reds in color, and can be classified into xanthophylls or carotenes, depending on the oxidation of their double bonds.  
Answer: **carotenoids**
  - This tissue carries nutrients in sap down from the leaves to the rest of the trees, and is a part of the bark.  
Answer: **phloem**
- Identify the following authors of Indian descent for ten points each.
  - The only Indian Nobel Laureate, this Bengali author penned the works *The Golden Boat* and *Red Oleanders*.  
Answer: Rabindranath **Tagore**
  - Though not from India, this Trinidad-born author's parents were Hindu. He also won the Nobel Prize in Literature for such works as *A House for Mr. Biswas* and *A Bend in the River*.  
Answer: Vidiadhar Surajprasad **Naipaul**
  - Much more ancient than Tagore or Naipaul, this Sanskrit poet and dramatist who penned the poems *The Clan of Raghu* and *The Cloud Messenger*.  
Answer: **Kalidasa**

7. Back to the old uncreative list bonus; given the work name the composer from the Baroque era for ten points each.

(a) *Madrigals of Love and War, Orfeo*

Answer: Claudio **Monteverdi**

(b) *Achille & Polixène, Pastorale Comique*

Answer: Jean-Baptiste **Lully**

(c) *Canon in D*

Answer: Johann **Pachelbel**

8. Answer the following about the Wars of the Roses for the stated number of points each.

(5,5) Name the two houses involved in the Wars of the Roses.

Answer: **Lancaster** and **York**

(5,5) For another five each, pair the proper color of the rose with the houses of Lancaster and York.

Answer: Lancaster is **red**, York is **white**

(10) The first open conflict of the Wars of the Roses occurred at this battle between the forces of Richard, Duke of York, and Henry VI on May 22, 1455. Henry VI was captured and Richard declared himself Constable of England in the aftermath.

Answer: Battle of **St. Albans**

9. Though the resurgence of "punk" is upon us, we all know that the original music is the real deal. Identify the following true punk bands from clues for ten points each.

(a) This band all adopted the same surname when they formed, and after a 1975 CBGB show, they were signed by Sire records and released their first album. Following a 1996, their lead singer died in 2001.

Answer: The **Ramones**

(b) Largely the brainchild of Greg Ginn, this Southern California punk band released the albums *Damaged*, *Wasted...Again*, and *Process of Weeding Out*.

Answer: **Black Flag**

(c) Their first single was "Orgasm Addict," and their original career consisted of the albums *Another Music in a Different Kitchen*, *Love Bites*, and *A Different Kind of Tension*.

Answer: The **Buzzcocks**

10. Answer the following about the processes that occur in a star for ten points each.

(a) This reaction has hydrogen atoms fusing into heavier hydrogen and a positron, which annihilates to produce more energy as the heavier hydrogen fuses with the lighter hydrogen to produce helium.

Answer: **proton-proton** chain

(b) Named for the three elements involved, besides hydrogen and helium, it is the dominant source of energy for heavier stars, with one of the elements serving as a catalyst to produce four hydrogen and a helium.

Answer: **Carbon-Nitrogen-Oxygen** cycle

(c) White dwarf stars are made stable by this phenomenon which results from the Pauli exclusion principle, which forbids identical particles from occupying the same state.

Answer: **degeneracy pressure**

11. Identify the following NFL football teams from their 2004 first round draft pick for ten points each.

(a) Eli Manning from Mississippi

Answer: **San Diego Chargers** (accept either)

(b) DeAngelo Hall from Virginia Tech

Answer: **Atlanta Falcons** (accept either)

(c) Larry Fitzgerald from Pittsburg

Answer: **Arizona Cardinals** (accept either)

12. His June 6, 68 AD suicide was supposedly assisted by his scribe Epaphroditos. For ten points each

(a) name this last emperor of the Julio-Claudian line.

Answer: **Nero** Claudius Caesar Drusus

(b) Nero was deposed in 68 AD in favor of this man, who was the first emperor of the year of the four emperors.

Answer: Servius Sulpicius **Galba**

(c) Nero's second wife was this woman, whom he killed in a rage, and who it is believed had been trying to get Nero away from his advisors, which may explain the death of Burrus and resignation of Seneca.

Answer: **Poppaea** Sabina

13. Speaking of the last bonus, name the authors of the following works which were set in Roman times for ten points each.

(a) *Ben-Hur*

Answer: Lewis "Lew" **Wallace**

(b) *I, Claudius*

Answer: Robert von Ranke **Graves**

(5,5) *A Funny Thing Happened on the Way to the Forum* (note: the book, not the musical, and five points for each answer)

Answer: Burt **Shevelove** and Larry **Gelbart**

14. Given a mountain name the nation in which it can be found for ten points each.

(a) Mount Elbrus

Answer: **Russia** (note: it is near the border between Russia and Georgia, but it is still in Russia)

(b) Mount Kosciuszko

Answer: **Australia**

(c) Mount Apo

Answer: **Philippines** (note: it is the highest point of the Philippines)

15. Enough list bonuses, answer the following about covalent bonding for ten points each.

(a) This approximation that the nuclei of bonding atoms remains stationary vastly simplifies the Schrodinger equation solutions for molecules, and is named for the two Nobel Prize winning physicists who developed it.

Answer: **Born-Oppenheimer** approximation

(b) The explanation of chemical bonding is credited to Heitler and this physicist, who explained the hydrogen bond and is also the namesake for a type of attractive force.

Answer: Fritz **London**

(c) Covalent bonding notation using dots to signify electrons orbiting an atom was developed by this physical chemist who also, in 1926, coined the term "photon."

Answer: Gilbert Newton **Lewis**

16. Answer the following about the Spanish-American War for ten points each.

(a) This ship suffered an explosion in Havana harbor on February 15, 1898, and the New York papers of Pulitzer and Hearst effectively fabricated evidence in favor of war.

Answer: USS **Maine**

(b) The Battle of Manila Bay went simultaneous with attacks by Philippine nationalists led by this man, who declared Philippine independence after the US began occupying much as the Spanish had.

Answer: Emilio **Aguinaldo**

(c) On July 25, 1898, US forces landed on this island, which was later given to the US in the Treaty of Paris signed later that year.

Answer: **Puerto Rico**

17. Identify the following religious titles of Islam for ten points each.

(a) This title is bestowed to one recognized as a religious leader and teacher. Shiite dogma only recognizes twelve of them, Ali, Hasan, Husayn, and nine of Husayn's descendants.

Answer: **Imam**

(b) These are community scholars of the legal code of Islam and the Sharia. A modern example of one is Mullah Omar, who rose from a local leader to the dictator of Afghanistan.

Answer: **Ulema** or **Alim**

(c) This man's task is to call for prayer five times per day from a mosque's minarets.

Answer: **Muezzin**

18. Name the following people who contributed to the development of the theory of entropy for ten points each.

(a) In 1865 this German introduced the concept.

Answer: Rudolf **Clausius**

(b) This man postulated in 1877 that entropy is related to the number of microstates of a system, and wrote down the equation that is the basis of statistical mechanics, which includes his namesake constant.

Answer: Ludwig **Boltzmann**

(c) This statement of the second law of thermodynamics declares "It is impossible for any device that operates on a cycle to receive heat from a single reservoir and produce a net amount of work."

Answer: **Kelvin-Planck** statement

19. Given a work name the economist who penned it for ten points each.

(a) *Monetary History of the United States*

Answer: Milton **Friedman**

(b) *Theory of the Leisure Class*

Answer: Thorstein **Veblen**

(c) *The Affluent Society*

Answer: John Kenneth **Galbraith**

20. The historical character behind this two part work is believed to have been a German necromancer whose contemporary life is based upon accounts by Philipp Melanchthon, among others. For ten points each

(a) name this literary subject of a work by Goethe

Answer: **Faust**

(b) Faust sells his immortal soul for all experience to this tempting demon.

Answer: **Mephistopheles**

(c) Faust falls in love with this woman, with whom he sires a child. She panics and drowns the child, and at the end of part I she is in prison awaiting execution.

Answer: **Gretchen**

21. Name the English authors of the following works for ten points each.

(a) *The Egoist*

Answer: George **Meredith**

(b) *Camilla and Cecilia*

Answer: Fanny **Burney**

(c) *The Last Chronicle of Barset, Barchester Towers*

Answer: Anthony **Trollope**