

**MAT 200B**

**Name:** \_\_\_\_\_

**Instructor: David Gordon**

**Quiz #1**

1. Invented in 1897, Thaddeus Cahill's \_\_\_\_\_ was the first highly influential electronic musical instrument.

*Answer: telharmonium*

2. What instrument was designed by Jean-Baptiste Delaborde, using statically charged clappers to ring bells, controlled by a harpsichord keyboard?

- A. carillon électrique
- B. Denis d'or
- C. clavecin magnétique
- D. clavecin électrique

*Answer: clavecin électrique*

3. What Greek philosopher founded the study of musical tuning and was leader of a 'cult' based on mathematics; whose outer circle, the *akousmatikoi*, give their name to *acousmatic music*?

- A. Pythagoras
- B. Epicurus
- C. Democritus
- D. Plato

*Answers: Pythagoras*

4. In 1913, Luigi Russolo wrote *L'arte dei rumori*, in English "\_\_\_\_\_", in which he made the first attempt to seriously categorize all sounds and treat them as potentially musical. It is considered a seminal text of the Futurist movement.

*Answer: The Art of Noises*

5. In "The Future of Music – Credo" in 1937, composer \_\_\_\_\_ stated that "Wherever we are, what we hear is mostly noise."

*Answer: John Cage*

6. Who composed *Poème Electronique*, considered one of the earliest sound installations, which was heard through 400 loudspeakers in the Philips Pavilion at the 1958 World's Fair?

- A. John Cage
- B. Edgard Varese
- C. Iannis Xenakis
- D. Arnold Schoenberg

*Answer: Edgard Varese*

7. One of the earliest composers to use the phonograph in a musical composition was Ottorino Respighi in his composition, \_\_\_\_\_.

*Answer: Pines of Rome*

8. In the early 1890s, Australian composer \_\_\_\_\_ described his vision of a mechanically operated music desk, and outlined his concept of "Free Music", characterized by continuously gliding tones and an absence of regular rhythm.

- A. John Cage
- B. Edgard Varese
- C. Percy Grainger
- D. Walter Benjamin

*Answer: Percy Grainger*

9. In his 1936 manifesto, "The Liberation of Noise," composer \_\_\_\_\_ wrote, "As far back as the twenties, I decided to call my music 'organized sound', and myself, not a musician, but 'a worker in rhythms, frequencies and intensities.' "

*Answer: Edgard Varese*

**Extra Credit.** In 1907, \_\_\_\_\_ wrote the text "Sketch for a New Aesthetic of Music," which calls for composers to move beyond the 12-note equal tempered scale, invoking electronic instruments as one possible solution.

- A. Ferruccio Busoni
- B. Franco Donatoni
- C. Fausto Romitelli
- D. Bruno Maderna

*Answer: Ferruccio Busoni*