

## THE MANHATTAN PROJECT CONTEST ANSWERS

**1. When was the first school established for Black Students in Oak Ridge?**

1946

**2. What was the name of the community where the government located Black Employee during the Manhattan Project?**

Hutments

**3. What was the name of the first Black -school principal recruited to Oak Ridge?**

Mrs. Robert Officer

**4. What role did Clinton Laboratory /ORNL Laboratory scientist play in helping Blacks get an education?**

Volunteered as teachers and lead the way in requesting a high school for Black Students.

**5. Where was the first Black school located?**

Bethel Valley Road, Scarboro Community near ORNL

**6. Where was the enriched uranium used in the Hiroshima bomb produced and how was it enriched?**

Initial enrichment done at K-25 by gaseous diffusion and at S-50 by thermal diffusion. Feed from those plants went to Y-12 where electromagnetic separation was done.

**7. Who urged Einstein to write the famous letter to President Roosevelt in August of 1939 warning the President about recent German progress in atomic science?**

Eugene Wigner and Leo Szilard

**8. What was the primary purpose for the creation of Clinton Laboratories?**

To serve as a pilot plant for the Hanford plutonium production facilities and to train staff who would transfer to Hanford.

**9. Who were the scientists that discovered plutonium and why was the symbol "Pu" selected for this new element?**

Seaborg, Wahl, Kennedy. "Pu" was selected because it would forever remind people of the evil and toxic nature of the new metal.

**10. Which bomb (the uranium one or the plutonium one) was tested at Trinity in 1945 and why was only this bomb tested?**

Plutonium bomb because it was initiated by the "implosion" process (which compressed plutonium into a critical mass) and it was uncertain if the process would work. The uranium bomb was initiated in a more conventional manner.