

## Babbage and Mechanical Calculators

1. Who was Charles Babbage? What position did he hold? What were his interests? What was his contribution to cryptology?
2. What was “the table crisis”?
3. Describe some pre-19<sup>th</sup> century computational devices.
4. Babbage conceived of two kinds of engines: the *difference engine* and the *analytical engine*. How do these differ?
5. How many difference engines were actually built by Babbage? Did anyone else build difference engines?
6. Who was Ada Lovelace? What was her connection to Babbage?
7. Describe the analytical engine. In what ways does it resemble the modern computer? What are some of the major differences?
8. Is there any actual connection between Babbage’s work and the modern computer?