

1026-01-230      **Marina Vulis\*** (mlv88@earthlink.net), 67-67 Burns St, Forest Hills, NY 11375. *Charles Babbage's Contributions to Cryptography.*

The British inventor who envisioned a computer, Charles Babbage was also interested in cryptography: he solved the Vigenere cipher by using algebraic methods, and was involved in solving other ciphers.

Charles Babbage Charles started working on the table of English words for the codebreakers and studied the statistical analysis of words. He also used algebra for deciphering.

Babbage was not an official cryptographer, but was known as someone who did cryptography and once testified on some enciphered letters during a trial.

He never published his cryptologic musings extensively, but rather expressed his thoughts and ideas on cryptography in his autobiography and in letters. (Received February 27, 2007)