

# Cryptography and Network Security

Third Edition

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# Chapter 2 – Classical Encryption Techniques

*Many savages at the present day regard their names as vital parts of themselves, and therefore take great pains to conceal their real names, lest these should give to evil-disposed persons a handle by which to injure their owners. —**The Golden Bough, Sir James George Frazer***

# Symmetric Encryption

- or conventional / private-key / single-key
- sender and recipient share a common key
- all classical encryption algorithms are private-key
- was only type prior to invention of public-key in 1970's