Lecture 3: Captain Ridley's Shooting Party

Confronted with the prospect of defeat, the Allied cryptanalysts had worked night and day to penetrate German ciphers. It would appear that fear was the main driving force, and that adversity is one of the foundations of successful codebreaking.

Simon Singh, The Code Book

CS588: Security and Privacy University of Virginia Computer Science http://www.cs.virginia.edu/~evans





































































Enigma Cryptanalysis

- Relied on combination of sheer brilliance, mathematics, espionage, operator errors, and hard work
- Huge impact on WWII

5 Sep 2001

- Britain knew where German U-boats were
- Advance notice of bombing raids
- But...keeping code break secret more important than short-term uses

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Charge
Next time: Block Ciphers
Problem Set 1 Due Monday
Start thinking about projects